DT Technik leverages a data-driven approach for efficient utilization of its facilities

In 2022, DT Technik approached T-Systems to create a solution that would enable them to effectively utilize space in their network operation centers (NOCs). A key priority was to automate the interpretation of the NOC layouts that were available as graphical data in Microsoft Visio and thereby reduce manual research time.

Network operation centers are very crucial for business organizations that always require high availability. Employees managing NOCs need to monitor one or multiple networks for any conditions that may require special attention to ensure uninterrupted services. In this instance, the customer was struggling to optimize their NOC spaces because the plans were originally in manually prepared MS Visio drawings.

DT Technik employees would consult these drawings for manual research activities, for example, to plan for racks and optimize the available space. This was a very time-consuming task, and it also made computer-aided optimization processes impossible. The customer needed a solution that would help recognize the objects in the Visio drawings and relate the objects to the texts in the drawings.

The cooperation with T-Systems regarding the integration and usage of different approaches including ML technology as well as rule-based algorithms advanced the project to the next level.

Leonhard Jugenheimer, Squad Lead at DT Technik

T-Systems have been pioneers in data space technology for over five years now. With their deep know-how in the AI/ML space, they developed a Machine Learning-powered microservice called "Data Transformator", which combines domain expert-driven rules with computer vision deep learning within an ensemble model. This model, called "deep object detection model", enabled automation of Visio object recognition and interpretation of Visio drawings. The Visio files were parsed and analyzed for domain objects. The detected domain objects were served via dedicated REST API and front-end application. Then, the results were saved in a relational database (PostgreSQL). The implementation of automation scenarios for the specialist pages was made possible through automated assignment of operating points. The detection system was thoroughly monitored and tested against the label data validated by domain experts to ensure quality.

With the AI-based automation solution provided by T-Systems, the customer was able to save manual efforts and time and focus on their core tasks. The solution also helped them achieve process and system optimization, resulting in reduced operational costs. Data forms the backbone of any AI-based initiative. The solution provided by T-Systems helped the customer to achieve effective data management and cleansing, which, in turn, provided a valuable data feed for a holistic digital twin of network center. The customer's future migration needs are also addressed with this solution as T-Systems, with its forward-thinking approach, has established a future-proof platform architecture comprising a modular structure.

DT Technik leverages a data-driven approach for efficient utilisation of its facilities.

Deutsche Telekom Technik (DT Technik) is responsible for the planning, construction, and operation of critical technical infrastructure facilities and systems, and technology rollout within

Germany for Telekom Deutschland GmbH.

Rethink the system: Transformation to a responsible AI-supported company.

Is data hidden in documents, e-mails, pictures? How to use this potential for data-driven business models.

Automated, shared and decentralized data use that maintains supplier sovereignty.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/security/db-netz-ag-a-security-basis-for-the-future

Security Consulting with ESARIS creates efficiency and transparency for DB Netz AG

The biggest national rail network in Europe is managed by more than 50,000 employees of DB Netz AG for its customers and their passengers. However, it's not just Deutsche Bahn benefiting from the services of its subsidiary, but more than 400 other rail transport companies. In addition to the construction of new infrastructure and the maintenance of the rail network, among other things, DB Netz AG creates the timetables for the operations of the network.

Some 23,500 trains use the network infrastructure every day and, over a year, cover over a billion kilometers of track. IT plays a crucial role in ensuring seamless operational processes of this magnitude. This is not just for the purposes of correctly setting signals, level crossings, and switches, it also provides support in coordinating the entire train traffic across Germany.

In its role, DB Netz AG is a critical infrastructure company par excellence – it ensures that a unique critical infrastructure in Germany remains in continuous operation. As a critical infrastructure company, the benchmark for IT security is particularly high. Documentation and degree of fulfillment of security requirements are an important issue for the DB Netz AG business.

The new basis for management of information security means that DB Netz AG is switching from a reactive, manual approach to a planned, active one. They succeed in efficiently orchestrating the necessary information and cooperative obligations. Laborious, reactive, and recurring research tasks (e.g. for upcoming audits) are replaced by a systematic, industrial approach for information security. DB Netz AG is put in a position to establish structured IT security documentation as a requirement for the divisions in the group, as proof of compliance, and as a tool for comprehensive security management. The company gains a high degree of transparency at all times and also embeds the significance of IT security at management level. This enables IT security management to be controllable in the extensive and fast-moving business as well as in the framework conditions and regulations which are becoming more complex. It does away with silos and creates a company-wide vision.

Further advantages:

Using modules from the ESARIS security architecture helps to provide a modern basis for the operational IT security management. The client achieves company-wide efficiency and transparency.

Dr. Eberhard von Faber, T-Systems

The critical infrastructure challenges faced by DB Netz AG are nothing new. But, in recent years, there has been a development in the number of standards, lists of requirements, work instructions, and security concepts, the establishment and fulfillment of which is checked by auditors. All of this content and the cooperative obligations are distributed throughout the entire company and its specialist units. Together this brings about huge costs for the company's small IT security team. In order to meet the critical infrastructure requirements, as well as comply with other security standards and certifications, the team decided to put its existing information security management system (ISMS) to the test. "We wanted to generate comprehensive transparency around necessary information and at the same time guarantee an efficient implementation of ISMS," explains Dr. Eberhard von Faber at T-Systems. The security team wanted to set out a modern basis for the IT security management and embed it within the company. This is because a whole range of internal divisions needed to actively work on this over the long term. How can this work?

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

ESARIS (Enterprise Security Architecture for Reliable ICT Services) presented those in charge with a suitable security architecture for fundamentally reprocessing the IT security and placing it on a new footing. They turned to T-Systems/Deutsche Telekom Security for consulting services. ESARIS is a collection of measures, standards, and instructions for securing ICT services. ESARIS standardizes, harmonizes, and improves IT security. ESARIS has been primarily developed for IT service providers where highly distributed value creation is the order of the day. This is also the case for DB Netz AG. Many building blocks of the ESARIS security architecture can be used accordingly. T-Systems and Deutsche Telekom demonstrated this as part of a consulting project over several months in 2021. In cooperation with the experts, amongst other things, they analyzed the existing situation with regard to the tools used, sources of information, and available documentation. They reflected the results of the analysis in the available blueprints of the ESARIS security architecture. This proved that it was not only original IT security themes in the Enterprise IT that needed to be taken into account, but also the increasingly more important area of OT, or IIoT security. In conjunction with the security team, the consultants developed a company-specific security taxonomy based upon this. It gives a detailed representation of which themes and tasks need to be revised and how they are linked with one another. The taxonomy provides a permanent overview and serves as a control tool. This central tool allows those responsible for IT at DB Netz AG to efficiently orchestrate their IT security management. They gain a solid foundation and a plan for the next implementation steps. Central document management plays a further significant role, the cornerstones of which were discussed together. A collaboration model defines the cooperative obligations, helps to organize cooperation, and forms the basis for governance within the company.

Security consulting for ESARIS creates efficiency and transparency for DB Netz AG.

URL: https://www.t-systems.com/de/en/digital/fastlane-offerings

Make targeted progress with the technological transformation of your company with the Fastlane offerings from T-Systems

Growing customer expectations, pressure to innovate with business models, and volatile markets are all challenges that are easily overcome with digitalization. However, the

technological modernization of system landscapes presents lots of companies with headaches: how can you plan your digital journey correctly and then implement and develop it efficiently? The Fastlane offerings from T-Systems has everything you need for the transformation.

Digital technologies change all areas of business life. From the customer journey to employee engagement – the expectations of stakeholders are constantly growing. Digital decision-makers in companies are confronted with a harsh reality: you need to transform digitally to survive, but in a quick and cost-efficient way. A reliable partner is needed who can offer valuable analysis of your strategic business model, processes, data, and infrastructure to IT management and bring the individual parts together.

From the customer's perspective, data are an incremental component of digitalization. It is important to manage the individual interdependencies between data, platforms & systems and regulatory factors as well as the integration into the broader ecosystem. A holistic view of the chosen strategy, technology and business processes is also required. This starts, for example, with data processing, data analysis, mobility applications, and security issues. This is a big playground. It helps to have T-Systems on board as an experienced digitalization partner for industry-specific solutions and business processes.

Get a quick overview of our affordable, ready-to-use solution offerings: cloud migration with Cloudifier Collaboration is an excellent way to get started with digitalization (applications are moved to the cloud). In addition, we have a Quickstart Bundle for you, to accelerate virtual collaboration with a New Work concept.

Use our Fastlane Offerings to accelerate the progress of your company's digital transformation. We are looking forward to support you!

URL: https://www.t-systems.com/de/en/careers

Progress your career in a trusting working environment with a passion for IT

Around 28,000 employees work with us (as of 2021) – around half of them outside of Germany, in America, Asia, Africa, and Europe. We offer corporate customers integrated solutions for landline and mobile communications, high-security data centers, and a unique cloud ecosystem. For our future themes of digitalization, cloud services, and IT security, we are looking for team players that are forward-thinkers and can work in an agile manner. Their drive should stem from wanting to enrich people's lives and excite our customers with digital solutions – this applies to each career level: IT specialists, students and graduates, or school leavers, we have attractive career options to suit your needs.

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Flexible and hybrid working is part of our daily routine. Together as a team and depending on the tasks, our employees decide where and how they work, whether from home, at the customer's or at one of our locations. With our Meet and Connect Hubs, we have created spaces for #creativity and exchange, and in think tanks people can work undisturbed. Numerous chill-out areas offer opportunities to relax and recharge one's batteries. As a certified Top Employer 2023 in Germany, we offer an outstanding working and development environment,

because #peoplemakeithappen.

Do you have questions about working for T-Systems? I am happy to help.

Squad Lead Recruiting

URL: https://www.t-systems.com/de/en/compliance-supply-chain

Deutsche Telekom wants to set standards, not only by competence and performance, but also by the way its employees act. Close to customers and partners, fair and open for dialog.

Compliance with legal regulations, values and obligations is the basis of our actions. All can help protect the company from harm. In order to be able to counteract grievances and misconduct as a company, we must become aware of them.

Through our whistleblower portal TellMe, we would therefore like to give all stakeholders the opportunity to easily and, if necessary, anonymously report potential violations of law or regulations. This includes information about human rights or environmental risks, restrictions on freedom of expression, or violations along our supply chain - from the actions of our own employees to those of our suppliers or business partners.

Further information can be found under www.telekom.com/en/company/compliance and www.telekom.com/en/corporate-responsibility.

URL: https://www.t-systems.com/de/en/careers/students-and-graduates/partnership-with-programming-sch

Together we are fostering a new generation of software developers.

As a founding partner, T-Systems provides strategic and financial support for the 42 Berlin programming school. Driving digitization forward – that works with excellently qualified employees. To this end, T-Systems not only invests in the development of our experts, but also in the recruitment of new tech talents.

42 Berlin is a programming school with an innovative learning concept – no professors, no lectures, no exams, no tuition. Instead, students advance their software development skills independently through projects and peer learning. Age, origin and prior education do not matter. Anyone can take advantage of the opportunity to gain a foothold in this promising career field. T-Systems' commitment thus enables many people to enjoy equal opportunities and participate in a digital future.

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Adel Al-Saleh, CEO

"T-Systems invests in talent, skills and education! Not only internal tech trainings – but we're also partnering with Coding School 42 Berlin. We live in fast-changing, growing economies, the market and our industry change continuously and with these, the needed skills change as well. Closing skill-gaps is a priority within T-Systems. We offer for our people at T-Systems the multimillion Learning Program "Digitize!" and we take new steps and invest in education like the

partnership with 42 Berlin, where people get the chance to get in touch with up-to-date technology and software development."

Georg Pepping, HR Director

"At T-Systems, we believe that everyone can grow without limits. And we question common stereotyped thinking. It's not about personal background or age, it's about ATTITUDE and AMBITION. For me, talents have an open-minded attitude, and they should burn for clients and technology. Equal opportunities are an important topic at Deutsche Telekom, as is participation in the labor market. Far too often HR managers look at smooth-ironed CVs. I am very much looking forward to the partnership with 42 Berlin and to more diversity and fairness."

Jan Krellner, Senior Vice President people eXperience & projects

"At T-Systems, we see it as our mission to create the best people experience along the entire employee journey. This applies to our existing and all possible future employees – because they are our most valuable assets. That's why recruiting, and development are among our focus topics. The collaboration with diverse tech talents will enrich our people business in an exciting way. I am highly looking forward to engaging with 42 students, learning from each other and opening doors to compelling projects."

Dr. Andreas Greis, Senior Vice President Digital Solutions

"As T-Systems, we are strongly relying on people who inspire and guide our customers within their individual digitization journey. One excellent example of a valuable digitization project is the largest open-source project implemented in Germany on behalf of the German government: the Corona Warn App. Developed by T-Systems and programmed in cooperation with SAP in just 50 days, the App helps people, governments and the WHO throughout Europe and even worldwide. To make such exciting and socially relevant projects successfully happen, we are consistently investing in our T-Systems employees and their individual future skills."

We wish all 42 students a lot of fun and success in their studies and look forward to the exchange and cooperation!

Do you have questions about the cooperation with 42 Berlin? I'll be happy to help.

URL: https://www.t-systems.com/de/en/application-services/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how our application services solutions are used to increase flexibility, productivity, efficiency and quality.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

The State of Brandenburg is building on dynamic SAP operation.

The State of Brandenburg relies on T-Systems for SAP application management.

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape.

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

Logistics company FIEGE counts on T-Systems for its SAP operations.

Baosteel Tailored Blanks uses the Kofax Total Agility automated solution for invoices.

Deutsche Funkturm is automizing the collection of contract data through robotic process automation.

Highest performance and maximum high availability for critical infrastructures.

Comfort Charge offers an all-inclusive solutions for the charging of electric vehicles.

T-Systems and Stahl join forces to realize a successful SAP migration.

The challenge in the KAGes system conversion? To keep the downtime as low as possible; a hospital lacking access to patient information, plans, and management over an extended period of time would have dramatic consequences.

All business-critical SAP core applications from Clariant run on infrastructures operated by T-Systems.

How the foundry moved its SAP services to Amazon Web Services with minimal downtime.

How a company built an ERP platform for the future.

How SAP S/4HANA at Grupo Schettino ensures greater efficiency and transparency in business processes.

Once Celulose Irani S.A. took the decision to tackle the digital transformation, it quickly became clear that the ideal basis for this was offered by SAP® S/4HANA.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/strategy-and-consulting/insights

Discover valuable expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

ISG Provider Lens™ – AWS Ecosystem Partners 2023: "Leader" in Consulting, Migration, Managed Services, and AWS SAP Workloads.

The ISG Index™ provides an independent quarterly review of the latest sourcing industry data and trends.

T-Systems' expertise recognized in connecting locations or services in a highly resilient and cost-optimized way.

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future.

Discover common pitfalls to avoid when implementing a Zero Trust security strategy and ten essential steps.

What is microsegmentation, and how does it protect your enterprise from malicious activity and cyber threats?

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/sustainability/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how international companies are using our sustainability solutions to increase flexibility, productivity, efficiency, and quality.

How IoT solution from T-Systems implemented sustainable water management.

Simple questions are answered automatically and quickly by the e-bot7 chatbot thanks to secure resources from the Open Telekom Cloud.

Comfort Charge offers an all-inclusive solutions for the charging of electric vehicles.

T-Systems supported the city of Gijón in Spain to become a smart city.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/data-privacy

T-Systems International GmbH attaches great importance to protecting your personal data. We always inform you what personal data we collect, how your data is used, and how you can

influence the process.

a) Technical characteristics: When you visit our websites, the web server temporarily records the domain name or your computer's IP address, the file requested (file name and URL) by the client, the http response code, and the website from which you are visiting us. The recorded data is used solely for data security purposes, particularly to protect against attempted attacks on our web server (Article 6 (1f) GDPR). We do not use it to create individual user profiles nor do we share this information with third parties. It is erased after seven days at the latest. We reserve the right to statistically analyze anonymized data records.

b) Miscellaneous: Additional personal data, such as your name, address, telephone number or e-mail address, is not collected unless you provide this information voluntarily. Here you will find further information on the topic newsletter.

Some pages contain links to other websites as well as pictograms of social media networks (such as Facebook, Google, Instagram, Twitter, Pinterest, Xing or LinkedIn).

Links to other websites are marked with the following symbol . By clicking on these links or the corresponding pictogram, you will be directed to external information pages or to the company page of the selected platform. The social media platforms as well as the third-party content providers that can be reached via the pictograms provide these services and the processing of their data under their own responsibility. To ensure that you have full data control, the external links and pictograms used only establish direct contact between the respective social network and the visitor when you actively click on the button.

By clicking on the external links and the links of the pictograms, (Art. 6 para. 1a GDPR) the following data may be transmitted to persons responsible for the externally linked websites or the social media providers: IP address, browser information, operating system, screen resolution, installed browser plug-ins such as Adobe Flash Player, the previous page when you followed a link (referrer), the URL of the current page, etc.

Explanations and definitionsWe want you to enjoy using our websites and take advantage of our products and services. We have an economic interest in ensuring this is the case. We analyze your usage habits on the basis of anonymized or pseudonymized data so you can find the products that interest you and so we can make our websites user-friendly. Deutsche Telekom or its contract data processors create usage profiles that comply with the legal requirements. This information cannot be traced back to you directly. The following information is intended to provide you with general information on the various purposes of processing data. The cookie message displayed when visiting our webpages gives you the opportunity to permit or reject the use of cookies. Cookies that are strictly necessary to provide the web service cannot be rejected (see explanation at 1. above).

Tag management (strictly necessary)Tag management allows us to manage the use of tools on the different web pages of our web portal. A tag is set for each page to do this. The tag content determines which tools will be used for this page. Tag management is used to assure that the tools are in each individual case only used where appropriate.

Market research / Reach measurement (opt-in)Reach measurement provides statistics on a website's usage intensity and the number of users, along with comparable figures for all the connected services. Market research is designed to learn more about the target groups that use services or applications and view advertisements. Individual users are not identified at any time.

Your identity is always protected.

Profiles for a user-geared presentation of the web portal (opt-in)The compilation of clickstream analyses assists us in continuously improving our web pages. The clickstream corresponds to your movement on the websites. Analyzing the movement provides us with an insight into usage habits on our websites. This allows us to detect any existing structural deficiencies in our web pages and thereby improve them accordingly.

Profiles for personalized recommendations (opt-in)Deutsche Telekom would like to offer you individually targeted and personalized take-action and click recommendations for special offers, services or products. This involves our service providers compiling a pseudonymous profile about the services and websites accessed by you and assigning categories to the profile. The system displays content or information that matches your profile.

a) Required cookiesThese cookies are required to enable you to navigate through the web pages and use key functions. They support basic functions, such as order processing in the online shop and access to secured areas of the web page. They also serve the purpose of performing an anonymous analysis of user patterns, which we use to continuously develop and improve our web pages for you. The legal basis for these cookies is Article 6 (1) b GDPR respectively for third Countries Art. 49 (1) b GDPR.

T-Systems

Operation

Session Cookie

Germany

T-Systems

Forms

Session Cookie

Germany

T-Systems

CMS functionality

Session Cookie

Germany

Tealium

Tag management

Cookie (3 month)

Netherlands

Mapp(formerly Webtrekk)

Cookie (6 month)

Germany

b) Analytical cookiesThese cookies help us to improve our understanding of user behavior. Analysis cookies allow for the compilation of usage and identification data by the original provider or third party providers into pseudonymous usage profiles. We use analysis cookies e.g. to determine the number of individual visitors to a web page or a service, to collect statistical data on the performance of our products and to analyze the visitors' usage patterns and visitor interactions on the basis of anonymous and pseudonymous information. This information cannot be traced back to a person. The legal basis for these cookies is Article 6 (1) a GDPR respectively for third Countries Art. 49 (1) a GDPR.

Cookie (30 days)

Germany

Cookie settings: You can revisit your Cookie settings at any time to manage your preferences.

c) Marketing cookies/retargeting

These cookies and similar technologies are used to enable the display of personalized and therefore relevant marketing content. Marketing cookies are used to serve interesting web content and to measure the effectiveness of our campaigns. This happens not only in Apps or on Telekom webpages, but also on the pages of other advertising partners (third party providers). This is also called retargeting. It is used to create pseudonymous content or ad profiles, to the placement of relevant advertising on other websites and to derive insights into target groups that have viewed the ads and content. This information cannot be traced back to a person. Marketing and retargeting cookies assist us in serving you advertising content that is potentially relevant for you. By suppressing marketing cookies, you will continue to see the same number of ads, but they may be less relevant for your interests. The legal basis for these cookies is Article 6 (1) a GDPR respectively for third Countries Art. 49 (1) a GDPR.

Advertising

Cookie (30 days)

Germany

Cookie settings: You can revisit your Cookie settings at any time to manage your preferences.

d) Services by other companies (independent third party providers)Some of our web pages feature services of third party providers, who bear the sole responsibility for their services. When you visit one of our web pages, cookies or similar technologies may collect data and send it to third parties. Some of the data may be transmitted for Deutsche Telekom's own purposes. The legal basis for these cookies is Article 6 (1) a GDPR respectively for third Countries Art. 49 (1) a GDPR. The scope, purpose and legal basis on which further processing is carried out for the

third party's own purposes can be found in the third party's data privacy information. Information about these independent third party providers can be found in the following.

GoogleWe use Google Maps for maps, locations and route planning on individual websites, e.g. in the Store Locator, which you can access via the tab "Service" and menu item "Shops" on the top section of Deutsche Telekom's product pages. Google Maps is operated by Google Inc., 1600 Amphitheatre Parkway, Mountain View, CA 94043, United States. By embedding Google Maps your IP address is transferred directly to Google and a cookie stored as soon as you visit this kind of website. You can obtain information and opt out at any time from data processing by Google at www.google.de/intl/en/policies/privacy.

We use the remarketing and Google AdWords function from Google Inc. ("Google") on our websites. This function is implemented via a cookie and is used to present website users with web advertising tailored to their interests as part of the Google advertising network. Users can then be shown on these pages advertisements which relate to content users have accessed previously on websites that use the Google remarketing function. According to its own statements, Google does not collect any personal data with this process. If you, however, do not want to use Google's remarketing function, you can disable this permanently by adjusting the relevant settings at www.google.com/settings/ads. Alternatively you can disable the use of cookies for targeted advertising via the advertising network initiative by following the instructions at http://www.networkadvertising.org/managing/opt_out.asp. Further information on Google remarketing and Google's privacy policy is available at: policies.google.com/technologies/ads?hl=de/.

If you access our websites via a Google ad, Google AdWords stores a cookie on your computer. This cookie becomes invalid after 30 days. No conclusions can be drawn about you as a person. We use the information collected with the aid of this conversion cookie to create statistics about our conversion rate. This means that we find out how many users came to our websites via a Google ad and acquire a product within 30 days.

LinkedInThe re-targeting and conversion tracking of LinkedIn (LinkedIn Ireland, Wilton Plaza, Wilton Place, Dublin 2, Ireland) using the LinkedIn Insight tag allows the collection of statistical, pseudonymous data (referrer URL, IP address (abbreviated), device and browser properties) about the website visit and use of our website and to provide corresponding aggregated statistics on this basis. In addition, this information is used to display interest-specific and relevant offers and recommendations after you have been interested in certain products, information and offers on our website. This information is stored in a cookie for 6 months. You can inform yourself at any time about the data processing by LinkedIn at www.linkedin.com/legal/privacy-policy?trk=registration_footer-privacy-policy and object to this.

Deep Media GmbHOn our website, we use Deep Media Advertiser Tag, a service provided by Deep Media Technologies GmbH, Hohe Bleichen 8, 20354 Hamburg, Germany. The Deep Media Advertiser Tag is a tag management system for marketing and optimization technologies. It is used primarily to deliver ads that are relevant and interesting to you and to improve campaign performance reports. Information, such as cookies or click IDs, is processed when the advertiser tag is used. Deep Media Technologies GmbH only processes the data and, if applicable, passes on these online identifiers to providers for whom the user has given consent within the framework of the data protection settings. You can object to the collection and storage of data at any time by contacting the respective provider. Further information on the handling of data and opt-out options can be found in the relevant provider sections of this privacy notice. You can find more information on the use of data by Deep Media Technologies GmbH by

visiting the following Deep Media Technologies GmbH website:
https://www.deepmedia.de/en/privacy-information-advertiser-tag/

Cookie settings: You can revisit your Cookie settings at any time to manage your preferences.

This data privacy information provides an overview of the items which apply to T-Systems processing your data in this web portal. Further information, including information on data protection in general is available at www.telekom.com/en/corporate-responsibility/data-protection-data-security/data-protection.

T-Systems International GmbH acts as the data controller. If you have any queries, please contact our Customer Services department or the Global Data Privacy Officer, Dr. Claus D. Ulmer, Friedrich-Ebert-Allee 140, 53113 Bonn, Germany, datenschutz@telekom.de.

You have the right a) To request information on the categories of personal data concerned, the purposes of the processing, any recipients of the data, and the envisaged storage period (Art. 15 GDPR);b) To request that incorrect or incomplete data be rectified or supplemented (Article 16 GDPR); c) To withdraw consent at any time with effect for the future (Art. 7 (3) GDPR);d) To object to the processing of data on the grounds of legitimate interests, for reasons relating to your particular situation (Article 21 (1) GDPR);e) To request the erasure of data in certain cases under Art. 17 GDPR – especially if the data is no longer necessary in relation to the purposes for which it was collected or is unlawfully processed, or you withdraw your consent according to (c) above or object according to (d) above; f) To demand, under certain circumstances, the restriction of data where erasure is not possible or the erasure obligation is disputed (Art. 18 GDPR);g) To data portability, i.e., you can receive the data that you provided to us in a commonly used and machine-readable format such as CSV, and can, where necessary, transfer the data to others (Art. 20 GDPR);h) to file a complaint about the data processing with the responsible supervisory authority (for telecommunications contracts: the German Federal Commissioner for Data Protection and Freedom of Information (Bundesbeauftragter für den Datenschutz und die Informationsfreiheit); for any other matters: State Commissioner for Data Protection and Freedom of Information, North Rhine-Westphalia (Landesbeauftragter für den Datenschutz und die Informationsfreiheit Nordrhein-Westfalen)).

To processors, i.e., companies we engage to process data within the legally defined scope, Article 28 GDPR (service providers, agents). In this case, Deutsche Telekom also remains responsible for protecting your data. We engage companies particularly in the following areas: IT, sales, marketing, finance, consulting, customer services, HR, logistics, and printing.

To cooperation partners who, on their own responsibility, provide services for you or in conjunction with your Deutsche Telekom contract. This is the case if you order services of these partners from us, if you consent to the involvement of the partner, or if we involve the partner on the basis of legal permission.

Owing to legal obligations: In certain cases, we are legally obliged to transfer certain data to a state authority that requests it.

Your data will be processed in Germany and other European countries. If, in exceptional cases, your data is processed in countries outside the European Union (in so-called third countries), this will take place a) if you have expressly consented to this (Article 49 (1) a GDPR). (In most countries outside the EU, the level of data protection does not meet EU standards. This concerns in particular comprehensive monitoring and control rights of state authorities, e. g. in

the USA, which disproportionately interfere with the data protection of European citizens, b) or to the extent necessary for our service provision to you (Article 49 (1) b GDPR), c) or to the extent required by law (Article 49 (1) c GDPR). Furthermore, your data will only be processed in third countries if certain measures ensure a suitable level of data protection (e.g., EU Commission's adequacy decision or suitable guarantees, Art. 44 et seq. GDPR).

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/edge-and-campus-solutions

Rethink your edge cloud strategy. Learn how the leader's do it differently.

Digital leaders are accelerating their revenue growth by accelerating digital investments. They are building market responsiveness and customer focus with automation, analytics, ML/AI, multi cloud strategies, edge computing platforms and hybrid architectures to name a few. How well does your organization's initiatives compare? Take this unique Edge and Cloud maturity self assessment now! You will also get a customized report.

How does network latency influence your Edge use case strategy? What is your approach for public/private/hybrid clouds? How do you approach automation and workload management? How is your Edge network infra designed and optimized? What demands will industrial companies face in the future?

We asked these and several other questions to over 300 decision-makers from large multinational companies across a wide range of industries namely, Manufacturing, Utilities, Transport & Logistics, Construction and Commodities in Europe. Download the report for a deeper look into what digital leaders are heading to.

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Fast, decentralized data processing at the edge of the internet: On the path to success with customized edge devices.

Enhance your competitive edge by inducing edge computing at the core of your digital technology platform strategy

T-Systems together with its technology & analyst partners is here to assist you in all your phases of ideation & end to end implementation. Our experts will listen to you & provide a custom made solution tailor fitting to your needs. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/sovereign-cloud-google-cl

ENIO trusts T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data

Public charging points are important, but the future lies in building proprietary, suitable infrastructures for companies, communities, and institutions. This is because 70 to 80 percent of all charging does not take place in the public domain, but rather via separate charging grid infrastructures.

ENIO GmbH sees the greatest potential in large vehicle fleets, property development and management companies, the logistics sector, and operators of parking garages and lots. When it comes to charging increasing numbers of electric cars, the most important technical challenge is avoiding current spikes that strain the grid. According to ENIO, innovative charging technologies that enable on-demand, grid-protected, environmentally friendly charging are the absolute key to success.

In addition to operational control and billing, ENIO also offers load management and energy management to its customers. Due to its many originally monolithic applications, the company incurred heavy expenses for maintenance. It needed a cloud solution that enabled the dynamic provision of resources for peak loads and supported the introduction of new white-label services. A further challenge involved transforming the applications into a more flexible microservice architecture. To master all these challenges, ENIO chose the T-Systems Sovereign Cloud powered by Google Cloud as the trusted platform for its sensitive data. Based on a container platform, the dynamic application services are now run in the public cloud. CI-CD pipelines now provide for automated deployments to support the cloud-native development of the services.

As we see it, the clear benefits of the T-Systems Sovereign Cloud powered by Google Cloud lie in the additional flexibility and simple scaling of the business model, greater system resilience, and reduced geographical impact of disruptions, as well in as shorter release cycles and the GDPR-compliant processing and storage of our sensitive customer data. In addition, the cloud solution provides full cost transparency, thanks to a pay-as-you-go pricing model.

Dr. Michael Viktor Fischer, CEO and Managing Director of ENIO

The manufacturer-neutral software packages from ENIO enable intelligent control of charging points, secure payment transactions, and optimal distribution of the available energy. The company was founded in 2013. From its headquarters in Vienna, it develops and distributes software for e-mobility infrastructure, as well as for the management and billing of services with electrical devices, throughout Europe. Customers with more than 5,000 charging points from 14 countries have trusted in ENIO's innovative products for many years.

About ENIO

ENIO trusts T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/cloud-services/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how how international companies use our Cloud Services solutions to increase flexibility, productivity, efficiency and quality.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Discover how T-Systems helped metal supplier MCB with their cloud migration.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

The 5G campus network enables the use of automated guided vehicles.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

The founders of Sosias Data set the course for growth.

The State of Brandenburg relies on T-Systems for SAP application management.

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

T-Systems driving business innovation for Cargodian with AWS consulting and solutions.

Migrations into AWS and private cloud as well as taking on the application management for SAP, non-SAP, and PLM.

Vitesco Technologies migrates Windchill PLM system to AWS.

Federal company accelerates software development with Future Cloud Infrastructure and cloud containers.

The company, apoplex medical technologies, offers diagnostic software from the Telekom Healthcare Cloud.

Simple questions are answered automatically and quickly by the e-bot7 chatbot thanks to secure resources from the Open Telekom Cloud.

Hannover Medical School trusts TrialComplete for its clinical studies.

Deutsche Telekom trusts in T-Systems and a DevOps approach for stable and agile operation of the Magenta Speaker.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

Managed firewall services relieve the strain on the internal IT team and secure a lasting high level of security.

Ostseeklinik Schönborn-Holm optimizes patient service with the introduction of REHA.Complete.

T-Systems is developing a state-of-the-art AWS Landing Zone for a chemical group as part of an agile project.

The German Heart Center Berlin (DHZB) – How TrialComplete simply and securely creates the data exchange.

The integration of various areas such as information security, risk management and data protection makes it possible to take advantage of synergies.

Highest performance and maximum high availability for critical infrastructures.

How the Haufe Group exploits its data treasures to develop the business in a targeted manner.

How the Fiber Factory accelerating fiber optic expansion with flexible and secure resources from the Open Telekom Cloud.

With a new asset management system based on ServiceNow, T-Systems Hungary's service processes are gaining in transparency and speed.

With user-friendly analysis software and secure services from the Open Telekom Cloud, FORSIT can manage the company more effectively.

ECKART relies on Salesforce for an integrated market presence and sales success.

How EUVIC meets the security and privacy requirements of the financial industry in the public cloud.

T-Systems supported a logistics company as managed service provider.

Setting up a Threat Management Assistant (TMA) System according to AWS best practices.

The modular toll platform collects road tolls without the need for an additional infrastructure.

Indonesian hospital group Mitra Keluarga migrating its IT to AWS with help from T-Systems.

For an internationally operating consumer goods enterprise, T-Systems developed a solution based on public cloud services.

T-Systems offers its customers interactive workshops in the virtual world. The Open Telekom Cloud is used as the basis for this.

Through the migration to Microsoft Azure, Aethra has lowered its operating costs by 60 percent and improved its performance by 30 percent.

Fuse-AI facilitates medical diagnoses using artificial intelligence from the Open Telekom Cloud.

platform3l makes companies fit for the digital future. The IT resources required come from the Open Telekom Cloud.

With Particulate's donation platforms, companies can support social projects of their choice with so-called SocialCoins.

Customer acquisition with the Open Telekom Cloud: this is what the artificial intelligence of DATAlovers AG offers.

Xelera makes enterprise applications up to 100 times faster and uses FPGA flavors from the Open Telekom Cloud.

Film production is becoming increasingly digitized: UFA integrates the cloud into its filming data process.

Expand IT with flexibly scalable resources: brodos.net has succeeded in doing this, with the Open Telekom Cloud.

How the foundry moved its SAP services to Amazon Web Services with minimal downtime.

The private cloud serves as a solid foundation for shopping and the customer experience.

How T-Systems and VDV eTicket Service use the Open Telekom Cloud to simplify travel between regions.

How Daimler's digital service platform enhances the driving experience and customer loyalty with T-Systems solutions.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions

Your route to becoming an intelligent company. With certified end-to-end SAP solutions for your digital transformation

Set off with SAP S/4HANA and modern cloud solutions into a new dimension of digitalization in your SAP system world and beyond. T-Systems finds the optimal route to implement new opportunities based on the SAP S/4HANA business suite. This enables the transformation into an intelligent company, thanks to Internet of Things, analytics and big data, blockchain and machine learning. T-Systems offers an integrated end-to-end portfolio for a quick and risk-free SAP transformation.

Planning to innovate in the cloud? Find recommendations in the free report.

To keep up with the pace of current and future requirements and market developments, companies must be able to calculate the time, financial and personnel resources available to them. The switch to SAP S/4HANA enables efficient operation, significant cost reductions, and the innovations necessary to achieve a critical competitive edge. The path to the cloud is unavoidable for a successful company transformation. T-Systems utilizes highly-secure managed multi-cloud platforms and offers certified end-to-end SAP solutions and services for a successful company transformation.

Transform into an intelligent and sustainable enterprise with our complete gamut of SAP

solutions and services.

In order to take full advantage of the possibilities offered by SAP applications, companies must implement hybrid cloud environments. T-Systems offers the full potential of SAP solutions from a private, hybrid, or public cloud – solutions that can be flexibly adapted to new requirements, expand existing processes, and all while remaining scalable. With a full, professional orchestration of the corresponding cloud ecosystem, T-Systems lays the foundations for a data-driven economy – enabling companies to start harnessing innovative technologies such as big data, blockchain, and Internet of Things.

Discover how T-Systems has optimized SAP transformation projects for their customers to help them on their journey to become intelligent and sustainable enterprises.

T-Systems' customers benefit from its comprehensive certifications. Thanks to seamless audits, SAP users at any location around the world can depend on reliable, uniform implementation and operating procedures. Using the globally available expertise of T-Systems, companies all over the world can achieve maximum process security and maximum efficiency for their application landscapes. This allows the optimal foundations to be laid for a future-proof integration of application provision and software operation.

Adaptability and responsiveness have never been more critical to a company's success. Future-proof growth requires shorter innovation cycles and changing requirements in organization, structure, and business processes. With the switch to SAP S/4HANA, companies can lay the foundations for automating business, managing it in real time, optimizing data analysis, and expanding business models. In order to increase the agility and productivity of a company, T-Systems offers certified end-to-end solutions from the cloud via ERP to SAP S/4HANA.

Build transparency and take advantage of the potential for your SAP transformation.

T-Systems' global delivery network secures maximum availability and flexibility for company SAP environments at any location around the world.

Thanks to T-Systems' SAP certifications, customers can rely on consistently high standards for processes and services across the globe.

Harmonized standards in international data centers ensure that flexibility, lean processes, the highest security standards, and maximum deployment quality are guaranteed.

T-Systems' employees have a high level of expertise when it comes to the provision and operation of SAP solutions.

With the continuous expansion of competences, such as DevOps certification, companies have a strong partner at their side with T-Systems – an ideal foundation for innovation, competitiveness, and a successful future.

T-Systems' security management meets all the current requirements, while informing customers about future risks and giving them reliable protection.

As part of the SAP partner program, important outsourcing certificates are re-certified every two years. For customers of T-Systems, SAP certificates are a compelling argument for using the

services of the technology provider, and proof of the close and successful cooperation with SAP. With a current total of eight global certifications in the areas of platform and application providers as well as application support, and an additional certification for the DevOps and BTP Operations segment – Development & Operations – T-Systems clearly stands out from its competitors around the world.

* Field required

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/insights

Inspiring insights relating to the digitalization of your industry

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to your industry and us – now and in future.

T-Systems is modernizing electronic data exchange with suppliers, including for Daimler Truck.

More flexibility and scalability by moving the IT infrastructure to the cloud.

T-Systems presents the AI Solution Factory at Hannover Messe.

We are linking the physical supply chain with the financial supply chain to increase resilience, automation, and value creation.

Combining IT and OT creates new opportunities for attackers. Here's what you need to know - and what you can do.

Digital marketing is increasingly being used in retail. AR and Digital Signage Equip Retailers for the New Shopping.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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The store in your pocket!How do I keep track of all the relevant data for my store? This is a question that retailers have been repeatedly asking themselves in recent years. The answer is an SAP powered dashboard that provides all relevant information about the store and the team. For ideas on how to implement and present a prototype, watch the following video.

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Sustainable logistics and supply chain management with digitalization and IoTGermany is committed to reducing carbon emissions by at least 65 percent by 2030.[3] There are multiple routes to more sustainable logistics and supply chain sustainability, but how do you make sense

of them and find the right path for your enterprise? Here, we show you how businesses reduce emissions with our digital solutions. Listen to the experts, as they share their opinions about our various sustainability solutions.

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T-Systems Road User Services ■ A New Age in TollingMotorized individual transport is increasing across the globe. Intelligent tolling solutions help to address traffic-related problems. In keeping with the motto "Tolling as a Service", T-Systems Road User Services GmbH offers comprehensive and innovative services for all areas in the tolling market.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/success-stories/digital/sachsenenergie-faster-reports-through-sap-

SachsenEnergie AG consolidates systems on BW/4HANA

SachsenEnergie AG is the largest municipal utility company in Eastern Germany. The company was formed in 2021 from the merger of DREWAG (Stadtwerke Dresden GmbH) and ENSO (Energie Sachsen Ost AG). DREWAG and ENSO turned to SAP to manage their financial processes – both vis-à-vis partners and service providers and vis-à-vis customers.

The creation of invoices, evaluations and forecasts is carried out via SAP ERP or SAP's Business Warehouse (BW). Numerous processes are supported by the SAP industry solution for energy companies, ISU, such as inventory data for contracts, electricity billing, recording meter readings and much more. The Business Warehouse thus plays an important role in SachsenEnergie's business activities. Employees start queries for evaluations via a suitable front end. Bex, SAP BO and Tableau are used for this purpose.

With the merger of the two companies, it made sense to consolidate the two separate BW systems in order to reduce operating expenses. At the same time, SAP announced the end of maintenance for the BW releases in use. Consolidation on a modern SAP HANA environment was, therefore, an obvious choice. However, this also meant that a modern solution had to be found for the front end to map the existing queries. The familiar workflows, processes and functionalities should be retained when switching to new technology. SachsenEnergie AG decided to tackle the transformation and consolidation together with T-Systems.

T-Systems provided us with expert advice in the consolidation process, professional support in integrating stakeholders and in implementation, thus enabling a smooth transition to the new SAP world.

Marko Musiat, Head of BI, SachsenEnergie AG

It was announced that the maintenance of BW systems would be stopped by the end of 2020, so the partners had 9 months to complete the transformation. They decided to take a greenfield approach. In an agile project, the migration to a standard BW 7.5 on HANA took place. The

migration of the existing BW objects to SAP BW/4HANA was carried out using an in-place conversion. During the migration, the systems were also cleaned to remove old data and queries that were no longer used. The data models were also updated and consolidated for use with SAP HANA. The migration took place smoothly, without users noticing anything about the changeover.

After the migration was complete, the project team turned its attention to the front end. The tools used there had also reached the end of their life cycle. SAP had also announced the discontinuation of support here, e.g. for SAP BO, Business Explorer/Web App Designer, on which many internal tools were based. Lumira would also no longer be available. T-Systems evaluated various future options for the front end for the customer's project team. Proofs of concept for Microsoft Power BI, Tableau and the SAP Analytics Cloud (SAC) were also set up for this purpose. In the end, SachsenEnergie chose SAC, which can be integrated perfectly with the new SAP BW on HANA system and offers the best data quality. The existing SAP BO licenses were converted to SAC licenses in order to optimize the cost of implementing the new tools.

With the introduction of the new BW platform, SachsenEnergie AG achieved enormous performance gains for the evaluation of mass data. The speed of query evaluations increased significantly, for example, for monthly business forecasts. At the same time, operating expenses for personnel were significantly reduced, as only one system had to be maintained. Above all, SachsenEnergie is pushing the door to the future wide open with the new BW on HANA. New functionalities will become available, and the company will gain future security.

The same applies to the new front-end setup. With the SAP Analytics Cloud, established queries can continue to be used, and new potential for the business can be exploited. The functionality of the new front end is significantly higher than the combination of BEx Tools, SAP BO and Tableau. It also allows the processing of data from sources such as Salesforce, SAP S/4HANA and power.cloud. At the same time, the company is standardizing its front-end landscape with this initiative.

SachsenEnergie AG is the largest municipal utility company in Eastern Germany. With 3,300 employees, SachsenEnergie supplies around 600,000 customers with energy, water, energy-related services and modern infrastructure.

As a partner of the region and the city of Dresden, more than 160 municipalities rely on SachsenEnergie's supply concepts. This also includes offerings related to modern municipal energy management, renewable energies, electromobility and telecommunications. SachsenEnergie AG is thus an important factor in local value creation.

SachsenEnergie AG

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URL: https://www.t-systems.com/de/en/industries/automotive/solutions/future-engineering

The complexity of cars is constantly increasing. This poses new challenges for engineering

The complexity of vehicles and their technical possibilities is increasing. In the past, development engineers could develop parts of a car in silos, largely independently of each other. Today, due to the large amounts of software, everything is connected to everything else, be it infotainment systems, air conditioning, engine control, or brakes. There are many dependencies within the car and with external backend systems. This complexity requires new procedural models in development.

With the increase in the amount of software and complex dependencies between different vehicle systems, the methods of product development in automotive engineering must also adapt. On top of this, when developing safety-critical driving functions, automobile manufacturers have to comply with a growing range of verification and approval requirements, such as those specified by standards such as ISO 26262 (functional safety) and ISO 21434 (cyber security). In the environmental field, too, more recent standards such as WLTP are leading to much greater complexity in verification and documentation.

This is why engineers today employ systems engineering methodology and modeling languages to develop complete digital systems that simulate and describe system functions and dependencies with other systems. Based on these digital systems, it is possible to check whether they function correctly at an early stage. This also requires the use of new applications that must be integrated with each other. But the classic PLM application, for example, does not go far enough. Application-centric development is changing to data-centric thinking. The key to this is the concept of the Semantic Web. Thanks to this data-centric approach, different engineers use the same data for their respective tasks and feed their changes back into the overall system.

Need to advance your agile product development? Learn how an integrated PLM architecture enables future engineering.

More and more car manufacturers are using software to create digital twins of their vehicles. Data from development, vehicle components, or later vehicle use flow into the virtual representation. Vehicle development in particular benefits from digital twins, as they allow the testing of developments of complex vehicle systems on digitally simulated components.

Until now, vehicle parts or control unit software have first been developed and then given a test drive. The test results are then incorporated into improvements. This process takes months, and the car manufacturers have to repeat these tests several times until the desired or required driving characteristics are achieved. Digital twins, on the other hand, simulate the properties of vehicle components in certain driving situations and can thus accelerate development enormously.

According to the International Society for Systems Engineering (INCOSE), MBSE is the formalized application of modeling a system to support system requirements, design, analysis, verification, and validation, starting in the conceptual design phase and continuing throughout the development and later life cycle phases. And for good reason: due to the complexity and the interdependencies of systems, even changing just one line of code can have an enormous impact on an entire system. This makes it difficult to model the further development of the system in a meaningful way.

In contrast to model-based development, for example with CAD, PLM, or FEM, the MBSE describes a system across disciplines. The system model essentially supports the cooperation

and communication of all disciplines represented in the project; and does so from very early on in the project. The system model can be used by all disciplines for different purposes. In essence, it concerns system architecture for describing the mode of operation and behavior of a mechatronic system.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/private-cloud/multi-cloud-connectivity-platt

Enjoy the freedom, flexibility and speed of a truly connected multi cloud ecosystem. The T-Systems Multi Cloud Connectivity Platform.

Up to 58 % of cloud decision makers* operate a multi cloud strategy, but issues still exist around visibility, security, governance, expenditure and control.

The Multi Cloud Connectivity Platform (MCCP) enables you to join up your cloud services to create one seamless network, overcoming the challenges associated with multi cloud. This empowers your enterprise to accelerate digitalization with the peace of mind that you are being supported by a trusted global partner.

* GrandViewResearch

The enterprise is increasingly using multiple private and public clouds to deploy critical applications, in order to exploit best-of-breed solutions.

But these environments can be difficult to manage. Multiple clouds mean multiple vendors and multiple costs. Connectivity takes too long. Your ecosystem has spiraled out of control and governance is no longer clear. You're facing an unmanageable behemoth and don't know where to begin…

MCCP solves all these problems by adding a unique connectivity layer that joins up your multi cloud ecosystem, with end-to-end security and compliance. It empowers your enterprise with the best of multi cloud and none of the headaches.

MCCP delivers customer-driven network agility, slashing provisioning times from weeks to minutes. With seamless end-to-end connectivity and cloud automation, you benefit from a rapid, more reliable network experience that is as scalable and flexible as cloud always promised to be.

With MCCP, you can have the best of a multi cloud environment with one vendor contact, one SLA and one single solution. With Pay-As-You-Go and contractual models, you only pay for the bandwidth you use, enabling you to scale up and down as your business demands.

The automation provided by MCCP reduces the risk of human error and delivers self-healing network functions for a more resilient infrastructure. With MCCP comes clear governance, security and compliance. All with the backing and support of a single, trusted, global partner.

Call our expert team today and find out how our Multi Cloud Connectivity Platform can empower your enterprise through streamlined, connected and rapid multi cloud provisioning.

Speed is the new currency of business. In today's competitive markets, companies must have the ability to respond rapidly to changes in user needs, new legislative demands and the pace of technological innovation.

Multi cloud may seem the best fit to enable agility and allow you to run best of breed solutions, but this ecosystem can quickly become complex, unsecure and expensive as it grows over time. However, there is a solution.

The Multi Cloud Connectivity Platform solves these issues, enabling your enterprise to experience the benefits of multi cloud without the headaches. It delivers real-time provisioning for an agile response to changing business needs, giving you greater control, enhanced security, predictable costs, and end-to-end support.

The Multi Cloud Connectivity Platform provides IP Layer 3 connectivity between T-Systems' datacenters, public cloud and your own WAN, via an easy to consumer, quick and secure platform. This means your enterprise benefits from:

Your enterprise cannot avoid the cloud if you want to make your SAP landscape future-proof. However, the right mix of private cloud, public cloud, and customer infrastructure is crucial. The challenge here is to manage several platforms in parallel and coordinate them optimally. MCCP can connect all your different SAP clouds in a seamless, effective way.

More on SAP with any cloud? Please check our offering here.

Our connectivity platform is based on a strong partnership so that we can always provide you with innovative technologies. One of our most important partner:

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/analytics-optimization

Enhance public transport efficiency through route, schedule, and resource optimization

In the dynamic landscape of public transport, precision and efficiency are paramount. With AI-based departure and arrival forecasts, a robust Data Analytics Platform, and unwavering support for traffic management, we empower public transport operations to thrive in an era of data-driven decision-making. Join us on a journey where data transforms into actionable insights, operational excellence becomes the norm, and passengers experience the benefits of optimized transport systems.

T-Systems offers an innovative solution for more accurate and stable arrival and departure predictions. We leverage diverse data sources and employ advanced supervised and unsupervised learning techniques on scalable open-source platforms, driven by artificial intelligence and machine learning. Our central concept involves accumulating incremental delay forecasts along a train's journey using various models. This solution guarantees 99.9% availability, extensible forecasting algorithms, and high performance, thanks to specialized nodes (GPU) and ample bandwidth. With an on-demand SaaS model and a Fast Lambda Architecture, we've developed a highly scalable platform that balances real-time requirements and extensive dataset modeling. Our vision is to deliver value, prioritize customers and quality, and enhance the forecasting process for the benefit of travelers.

Navigate AI successfully with our white paper for rail operators.

Leverage AI in transportation to make accurate predictions and deliver faster results. Calculate arrival and departure times using current data and data from previous train journeys.

Unexpected events can cause delayed trains. But the stress associated with getting connections and finding alternative travel options can be avoided for both passengers and rail operators. The forecasting machine ("Prognoseautomat") calculates the arrival and departure times of trains 90 minutes in advance and updates them every minute. Machine learning and artificial intelligence work together in automated forecasting. Data from a range of sources are used in the calculations. The result? Accurate predictions which were unattainable earlier. With T-Systems and AI, gain a competitive advantage in the industry.

T-Systems embarked on an endeavor to optimize connections between various German cities through a comprehensive catchment area analysis (the process of using location data and catchment areas to analyze where passengers or users are coming from). Our solution involved a meticulous examination of the pertinent catchment areas for bus connections, ultimately identifying the top 20 areas of origin for the Stuttgart–Hamburg route during the summer evaluation. To accomplish this, we leveraged data on source-destination relationships for communities, departure times categorized into 5-hour intervals, and assessments for five different day types. Furthermore, we conducted analyses based on two distinct periods, encompassing both summer and winter data, and factored in travel times between cities. This data-driven approach not only allowed us to quantify the real catchment areas but also provided invaluable insights for tailoring targeted marketing strategies, thereby enhancing the overall travel experience and efficiency for passengers.

Camera image analytics has various applications in public transport. Our machine learning algorithms are capable of detecting situations captured by cameras in vehicles and stations, e.g. passenger count, seat utilization, hazard detection, vandalism, counting objects, and capturing and analyzing movement patterns. The evaluation is carried out anonymously and directly at the source, so video files are not stored or forwarded. Furthermore, existing camera infrastructure can be used. Hence, our solution is cost-efficient and compliant with the requirements of our customers and their respective governments.

In the ever-evolving landscape of transportation, the integration of live dashboards has been a game-changer. These dashboards deliver real-time insights into traffic conditions, aiding in the analysis of route optimization, particularly for public transit systems like buses. Employees within the public transit sector, both on the bus and off-duty, can now receive mobile notifications regarding current issues, enabling more efficient transit operations. What's truly remarkable is that these live dashboards can be accessed via mobile devices, even outside the central hub. Our IT solutions empower other companies to implement similar systems, not only enhancing transit operations but also contributing to reduced emissions by optimizing routes and fostering more sustainable mobility practices.

Have questions or need customized analytics solutions for your public transport operation's business? Reach out to our experts today!

URL: https://www.t-systems.com/de/en/partners/palo-alto-networks

T-Systems and Palo Alto Networks will secure your path into the digital future

Palo Alto Networks, one of the world's leading businesses in cybersecurity, combined with T-Systems, offering consulting, professional and Managed Services, are paving the way for a

cloud-based future. Today, the integrated platform is already protecting cloud and network infrastructures, as well as mobile devices for several thousand businesses.

IT security within your business should be high at all times; it is a prerequisite for seamless processes. This is why T-Systems offers you, among other things, cloud-native security: with transparency and protection in hybrid and multi-cloud environments. We provide reliable protection for hosts, containers, and serverless environments on every cloud platform. In addition, we guarantee compliance in every cloud environment.

* Field required

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/collaboration-services

Flexible workstations in the home office or on the road: collaboration in the virtual environment of the hybrid cloud

Today, companies must adapt their business processes to new challenges in an agile manner and at short notice. Among other things, there is an increasing demand among employees for flexible working – at home and on the road. And this should not have a negative impact on team work or the user experience. With Collaboration 365 and managed hybrid services for Citrix Cloud, virtual work stations including all the necessary digital tools can be rolled out and managed in just a few hours.

Find out how to securely encrypt sensitive MS 365 and Salesforce data with the 4 week Cloud Privacy Service trail starter pack.

Companies are having to adapt ever more frequently to changing conditions in an agile way. In the case of short-term demand, as at the beginning of the crisis, it became apparent that many companies were not able to provide fully equipped laptops, desktops, and tablets for all home-working employees on an ad hoc basis. In addition, access to digital business tools was often not possible for security and privacy reasons. The solution: with Collaboration 365 and managed hybrid services for Citrix Cloud, virtual workstations with the highest security standards can be rolled out in just a few hours. For example, for a globally active energy group. Here, thanks to a project of 5 days only, more than 40,000 employees were able to work from their home office on the basis of the Citrix Cloud, as if they were at their office workstation.

Collaboration 365 brings together all the individual parts of a comprehensive collaboration strategy. Central components of the solution are Microsoft Online Application Services and the Citrix Cloud, which companies use to securely connect their internal teams, external freelancers, consultants, partner companies, and suppliers with any computer and ensure that it is fully operational. You have the choice between obtaining software and tools from a public cloud such as Azure, a private cloud in your own data center, or the Future Cloud Infrastructure from T-Systems. This paves the way for hybrid delivery models. It also allows data protection or other compliance requirements to be mapped.

Book Managed Hybrid Cloud Services for Citrix as a basis for providing digital workstations – for instance for just EUR 5.55 per month per user for 5,000 users. In this way, you can create the conditions for providing your employees with secure virtual desktops on a short-term or permanent basis.1

This offer is intended exclusively for new business customers (no resellers). The offer is valid for

a minimum of 5,000 users and requires valid subscriptions to Citrix Cloud and Microsoft Azure, which can also be purchased separately via T-Systems. A smaller number of users with a corresponding price adjustment is possible. Minimum purchase is 500 users. Minimum contract term is 12 months. If the contract is not terminated in due time, it is automatically extended. All prices quoted are net prices per month plus VAT.

Pre-configuring and installing software on laptops, desktops, or tablets for mobile teams usually takes time. This is made easier with Microsoft Intune, Windows as a Service, and the Citrix Cloud. The device is centrally registered in the cloud with its ID. The tools, data accesses, and policies intended for the user are assigned to this ID. The user then logs in with their blank device using the ID and gets access to all tools and policies assigned to them. The only thing the mobile worker needs for this is an Internet connection.

To enable team collaboration from the home office or on the road, companies also use solutions from the public cloud. However, when working with business-critical software and personal data, and with strict security and compliance requirements, it is advisable to set up collaboration tools in the private cloud. This does not have to be more expensive; in the range of 500 to 15,000 workstations in particular, the private cloud is more cost-effective as a sourcing model, as the licenses for the tools used can be optimally adapted to the needs of the company. At the same time, additional features such as telephony services can be integrated and data exchange encrypted.

What does your future-proof collaboration concept look like? Our experts know how to roll out virtual workplaces flexibly and dynamically. Contact us, we are here to help.

When companies must adhere to very strict compliance policies or legal requirements, data can be held within a private cloud and in a defined legal space. T-Systems' private cloud is operated in its own data centers according to German standards. The data centers meet all regulatory requirements for operators of sensitive infrastructures.

In the private cloud, adaptations to your own instances are possible, as well as extensions for everything from archiving to integration to encryption, plus hybrid scenarios connected to your own data centers. Updates are only carried out after consultation.

Collaboration 365 holds its own on the market in terms of price thanks to favorable licensing conditions. Compared to the prices for Microsoft Office 365 tools for the public cloud, costs are up to 30 percent lower. Single sign-on and service management are included in the price per user. Existing licenses can usually continue to be used.

Managed hybrid cloud services for Citrix optimize access to software and the network. The solution thus ensures that users receive a flawless user experience, regardless of location. Remote working feels like working from the office.

* Microsoft will continue to support the Skype for Business product beyond 2025. A new release has been announced for 2021.

URL: https://www.t-systems.com/de/en/application-services/solutions/salesforce-solutions

Rely on Salesforce's largest reselling and integration partner in the DACH region and large parts of Europe

The Salesforce Platform's clouds, together with apps from the Salesforce App Exchange, are ideal for designing and digitalizing business processes around your clients' individual customer journeys. We provide you with a scalable dialog platform for company-wide data exchange and solutions for the integration of marketing, sales, and service processes.

As Salesforce's largest reselling and integration partner in Germany, Austria, Switzerland, and large parts of Europe, we are your first port of call for consulting, license reselling, and implementation support for Salesforce solutions. We'll show you how you can use the Salesforce Platform's clouds and the associated apps from the Salesforce App Exchange to help you digitalize your business processes. We accompany you in your individual journey, from 5-day projects involving only a few licenses to highly complex Salesforce implementations for several hundred users.

Salesforce's cloud products provide you with a comprehensive repertoire of solutions to cover end-to-end processes in marketing, sales, commerce, and service.

Sales Cloud – Automate your sales processes – and with substantiated information to hand, you can focus on your sales work better than ever.

Service Cloud – Make sure you always give your customers the right answers to their questions – whether via email, telephone, communities, or social networks.

Marketing Cloud – Create personalized customer journeys and get to know your customers and their needs better.

B2C Commerce Cloud – Realize an end-to-end shopping experience and get a better all-round understanding of your customers' behavior.

B2B Commerce Cloud – The combination of CRM and E-commerce offers access to precise customer data from sales, service, marketing, and trade.

Community Cloud – Connect customers, partners, and employees so they can interact more closely and solve support issues together.

Salesforce CPQ – Create quotes and invoices at the touch of a button and add accompanying materials, conditions, or electronic signature options.

Einstein Analytics – Create predictive analyses from company and customer data and derive appropriate measures from these.

Field Service Lightning – Enable your field service team to simultaneously increase both its own productivity and that of customers.

Salesforce Platform – Use the tools in the Salesforce App Cloud to rapidly build and deploy your own applications.

Salesforce Mobile – Access all important information and documents immediately via mobile devices and realize individual workflows for your employees.

Contact Center – Strengthen your personal connection to your customers using contact center technology and CTI (computer telephony integration).

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

The leading full-service payment service provider relies on security "made in Germany".

When it comes to handling sensitive customer data, security is always the top priority. As a German contract and service partner, T-Systems delivers the complete package – including data protection in accordance with German law, of course. The data is supplied by German and European cloud data centers that are certified by independent testing agencies and meet the highest requirements for data security and reliability. In addition, T-Systems also takes over the support in its entirety: from consulting, implementation, licensing, and migration of old CRM data to training and software updates.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/gerresheimer-maximum-fl

Gerresheimer relies on the combination of Managed Azure and Future Cloud Infrastructure

Gerresheimer AG is also expanding through acquisitions. By these means as well as through organic growth, a heterogeneous IT was created, decentrally administered in-house at 45 locations. The company decided to consolidate the heterogeneous business IT on a uniform basis and recognized outsourcing to the Cloud as an opportunity - also for reflecting sustainability aspects. The packaging specialist outsourced an initial group of systems to the Azure Cloud together with Microsoft. Assisted by T-Systems, a suitable cloud strategy was created, including migration and operation suitable in each case for private or public cloud.

By outsourcing to the Cloud, Gerresheimer did not just want to implement central IT governance to obtain increased transparency of the IT landscape and its costs. Consolidation in the Cloud was simultaneously intended to relieve the personnel of administrative effort and bundle this across the company to increase operating efficiency. As part of this, consolidation of the IT partners was also planned to optimize supplier management. Another important aim in moving to the Cloud was also future-proof mapping of privacy aspects. While moving forward on its own, the company was looking for a partner for Managed Cloud Services, which could guide it through the cloud transformation process and as a result offer reliable maintenance of the cloud systems based on sound SLAs. A total of 900 – mainly VMware-based – systems were in focus. Fifty of these were already in the Azure Cloud. T-Systems came into play in this situation.

We have found a partner in T-Systems, which accompanies us competently into and through the Cloud. The multi-cloud approach has provided us with an ideal set-up for the future.

Benjamin Benning, Global Director IT Infrastructure, Global IT, Gerresheimer AG

Together with T-Systems, Gerresheimer AG analyzed the situation and went through various scenarios. This revealed that a complete migration of the systems to the Azure Cloud would not

be the ideal target scenario. Based on the application needs as well as consideration of privacy aspects, the partners developed a multi-/hybrid cloud concept for the future Gerresheimer IT landscape. It turned out that the Future Cloud Infrastructure (FCI), a modern private cloud solution from T-Systems, would offer great advantages in the migration process. Since most of the IT systems are based on VMware technology (as is the FCI), they could be migrated completely in "as is" status to the FCI. This meant Gerresheimer was able to rapidly achieve its primary goal of platform consolidation and enhanced operating efficiency.

The room for maneuver gained allowed those responsible at Gerresheimer together with the T-Systems experts to make a detailed analysis of the application landscape and develop an optimized target vision. As part of the cloud migration framework, the partners envisioned different target scenarios for the servers – depending on the technical and privacy needs of the applications. Some would remain in their current state, while others would be migrated to new platforms: Systems with high dynamism and need for innovation move as before into the Azure Cloud. There they are administered in a standardized landing zone by T-Systems. This landing zone also features state-of-art security. Systems with lower dynamism, which continue to be operated on VMware, remain on the FCI. There they are managed either in-house or by T-Systems – depending on how relevant direct access to the platform and the application is for Gerresheimer.

Gerresheimer has acquired a strategic partner for the future of its IT systems in the form of T-Systems, which can support the complete life cycle from advice and migration to Managed Services. Gerresheimer is not only realizing its goal of IT consolidation, transparency, and efficiency enhancement but is also acquiring an IT landscape with the multi-/hybrid cloud concept that is ideally aligned with the needs of the company.

As a result, the IT team can react flexibly to business developments. The company is also considerably reducing the number of its partners with this step. Several interfaces and communication paths have been eliminated. Managed Services allow Gerresheimer to cut down on its own administrative effort and create room for maneuver for strategic IT topics. The Service Level Agreements secure trouble-free operation of business processes. Last but not least, Gerresheimer has achieved important sustainability aspects with this step into the Cloud. The more efficient IT resource capacity utilization - irrespective of whether in the private or public cloud - lowers the carbon footprint by more than 90 percent.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Gerresheimer AG from Dusseldorf has a wide-ranging product portfolio: the company is well-known for its medication packaging and medical accessories. These include inhalers, medicine bottles, injection systems, insulin pens, and ampules. Gerresheimer serves companies in the pharmaceutical, health, wellness, and biotechnology segments with these products, vital for many people.

But the portfolio of the Dusseldorf company also includes cosmetic packaging and glass vessels for the food and beverages industry. Pharmaceuticals and healthcare generate the lion's share of turnover. The company has a workforce of 10,000 and produces worldwide in 36 plants. The listed company generated revenue of 1.8 billion euros in 2022.

www.gerresheimer.com

We would be happy to provide you with the right experts and to answer your questions about

planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/data-intelligence/solutions/data-spaces

Exchange data across the company. And use this to improve processes and products.

To share data, partners currently need to sign contracts on the use of the data. Those who receive the data also need to be trustworthy. These requirements limit the opportunities for data analysis, however, data spaces offer an alternative. They automate the shared use of data and allow suppliers to attach predefined guidelines to data transactions and therefore guarantee the sovereignty of the supplier.

Data warehouses were considered the optimal solution to unite structured data from heterogeneous sources for analysis in a central database. A data lake takes it one step further and saves both structured and unstructured data. The unformatted data are only processed for each given analysis. Data spaces dissolve this centrality and offer a decentralized solution where each participant can offer their own data. They stay with the supplier and are made available through secure peer-to-peer communication with common semantics and data sovereignty.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

The data mesh concept also supports the decentralized approach to data use. It structures large volumes of data as a "meshed" network and makes it usable through a shared, domain-oriented architecture. From the source to applications, irrespective of the type and location of the source – even outside the company. Data can be used for self-service analysis across all departments, as well as being connected and combined as desired. Companies no longer rely on specialized data engineers to implement a data mesh solution.

Missing opportunities for sovereign data use are impeding the digitalization of the automotive industry. With the development of an industry-wide data ecosystem, Catena-X wants to lay the foundations for more efficient processes.

The Federal Ministry for Digital and Transport has launched a data space initiative where data can be shared easily, transparently, and securely. Among other things, users can access real-time data from local public transport or bike rental locations. The Mobilithek is not an information system for travelers and road users, but provides a basis for new mobility services, as well as a digital space to develop data-based apps. The Telekom Data Intelligence Hub provides the components to facilitate the sovereign exchange of data.

Recyclers use their own material lists that do not detail whether the purchase and recycling of the car will be profitable.

Gaia-X, the open and sovereign standard for the European data space, is based on transparency, interoperability, and digital sovereignty.

The DIH offers cloud-independent, interoperable, IDSA-certified, and GAIA-X-compliant products and sovereign E2E Managed Data Sharing Services.

The future of the data economy is here! Leverage the full potential of your data from planning to implementation – with industry leaders, for less than a cup of coffee!

URL: https://www.t-systems.com/de/en/application-value-management/topics/managing-applications

Application management demands enhanced visibility, continuous modernization, and integrated security

In 2019, Gartner predicted, "By 2025, 90% of current applications will still be in use, and most will continue to receive insufficient modernization investment." Despite its compelling problem-solving promise, many organizations hesitate to migrate their business-critical applications to the cloud. They realize they typically require application modernization, which demands precious resources.

From on-premises legacy applications to cloud-native apps residing in a complex hybrid or multi-cloud infrastructure, effective application management calls for total visibility and control of the application landscape. Managing those applications from multiple perspectives, such as user experience, stability, security, performance, and cost control, is a daily task. Not only must they meet the day-to-day requirements of the business, but they must also be modernized, adapted, or replaced in response to changing business needs.

Secure, high-performing apps; enjoy operational excellence with our application management services.

Transition and accelerate your application management with a robust framework that aligns with your goals and business needs. Modern tools gain insight into your application landscape, and best-in-class services ensure outstanding support.

At T-Systems, we understand the significance of data as the fuel that powers modern business applications. We explore how data drives transformation across key themes, including customer experience, employee experience, digital supply chain, manufacturing/production, and product/service design. Furthermore, we address the common challenges faced by organizations in their journey towards becoming data-driven and highlight the role of technologies like AI and machine learning. Dive into our selection of short case studies showcasing real-world applications. Learn more about how data fuels business applications from our perspective.

In the world of business applications, data serves as the fuel, but Artificial Intelligence (AI) is the brain that can take your enterprise to the next level. At T-Systems, we provide insights into how you can ethically transform your organization into an AI-enabled enterprise. Our approach includes a comprehensive framework for AI, featuring nine self-binding guidelines that you can easily access. We also introduce a range of AI solutions and present case studies that demonstrate the transformative power of AI. Discover our perspective on how AI is reshaping the business landscape and explore the resources we offer to help you leverage this technology.

URL: https://www.t-systems.com/de/en/partners/lenovo

T-Systems and Lenovo are jointly offering flexible hybrid cloud solutions to suit any business model

A successful cloud strategy considers the overall cloud life cycle – from the choice of provider through migration and beyond. You need a flexible, adaptable, and secure hybrid cloud solution which brings together reliability and performance. Our approach combines the high customer satisfaction of Lenovo with the globally recognized quality and expertise of T-Systems. The

result: an effective cloud solution which is developed and managed by two experts.

Secure, stabilize and configure your infrastructure

Use up to 100 virtual computers in the private cloud and benefit from 15 days' free advice or technical support. Test for 4 weeks now. 1

Legal notes: This offer is targeted at new business customers (not resellers or partners) in Germany, Switzerland, Austria, Spain, Nordic countries, Netherlands, France, and North America. A requirement is that the customer is already operating the VMware stack (more than 800 VMs). Costs are only incurred once the customer awards a contract. Free use automatically expires from the 5th week.The test environment includes a software-defined data center (SDDC), consisting of a cluster. If there is no upgrade to a production SDDC, the test SDDC including all data will be deleted after 30 days. If the customer continues to use the Future Cloud infrastructure, additional fees will apply (as stated in the contract). The minimum contract term is 12 months.If the contract is not canceled in time, it is automatically extended by one year. All stated prices are net per month plus statutory sales tax.

Do you have a cloud strategy in place, but legacy systems are slowing down the transition? How to modernize your IT without wasting time and money.

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I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

T-Systems is fast-tracking Lenovo's Automated Edge Solutions into the cloud (only available in English)

T-Systems is modernizing its infrastructure to offer clients their desired speed and flexibility

* Field required

URL: https://www.t-systems.com/de/en/success-stories/success-stories-of-our-employees

Our employees support their clients in their digital journey every day. Get to know their success stories!

Behind every solution our customers receive from us are: our employees. With their knowledge and experience, their drive and motivation, they ensure that our customers are satisfied. Here they tell their very personal success stories

I support the leading energy provider of Europe as a Professional Coordinator of Order Management and take care of their IT orders. When the pandemic hit, they needed us to move their workforces worldwide to remote working mode as fast as possible for their business continuity. We needed to react immediately to be able to provide the fastest solution with the highest quality. We fulfilled successfully their needs, delivered their orders in time, and made it possible for them to move all their employees to remote working in a week. The customer was grateful and I was happy that we could act agile enough to support them in this particular situation.

120 points in terms of satisfaction - that's a dream score we received in a survey this year from one of our customers in the telecommunications industry. We can proudly say: We have done a lot for this! In the past two years, we have managed to continuously build up business with the customer through intensive customer care, with tact, conviction, through competence and cooperation in a spirit of partnership. Together we are shaping topics such as a Facility Management solution, Application Management, BusinessTransformation, a digital twin of buildings (Digital Building Twin) as well as S4HANA. A great success story for all of us. And we look forward to continuing it together!

The situation in our lives and working environment in 2020 has changed, but our customers have recognized only the best quality of our services. As a Technical Customer Consultant dedicated for KONE, I was responsible for custom monitoring solutions and automations.

We were focused on delivering working solutions in a short time to support customer plans and strategy. In May 2020 I was awarded by Certificate of Appreciation directly from the customer for my long-term outstanding and professional approach, strong effort and flexibility in these strange times. I am driven by the guiding principle "Customer delight and simplicity drive our action", that is also confirmed by another Award called "GPN WOWzers" in the category "Customer" where I received 300 nominations within 5 international locations of T-Systems.

My passion was always working with people, and I think I have found my dream job here as a Team Leader. To motivate my team, I use my beliefs: open communication, teamwork and customer centricity. I have a really great team behind me, and feel that we can all rely on each other. Nothing proves it better than our customers showing their appreciation towards us (even by sending our favorite chocolates). In the recent past we needed to focus more on our customers' needs, and someone (that was actually me) needed to take the lead for the better cooperation. My attitude had an impact on my team, I am so happy that we could achieve our goal.

6 years have already passed since I started to work at this company as an Order Manager. I challenged myself and tried different kind of positions like Professional Coordinator and Team Leader. I really missed the daily customer contact therefore I changed my position to be a Customer Solution Consultant.

I'm so proud that I was able to support the customer since the very beginning. When I took over this role, during the transition I needed to learn on the job and I only had 3 months (Instead of the planned 12 months). Due to high professionalism and excellent service delivery, I could ensure that the customer didn't notice the change, and the business was running like before.Only one thing has changed: I started to receive more and more customer compliments on my work.

It was a kind of „jumping to a deep water", but I used my „don't panic" attitude, and achieved my target: My customer appreciation.

In the past months, I have once again received confirmation on how valuable it is to build up a truly trusting relationship with customers and to maintain it on a daily basis. Without trust, we wouldn't have been able to walk the path together, which began at the beginning of this year: A European mobile operator signed a contract with T-Systems International GmbH for Managed Public Cloud Infrastructure Services. We are converting almost the customer's entire basic IT infrastructure to the public cloud platforms of AWS and Azure, which we manage. In addition to the configuration of the cloud, user profiles and security concepts, our service for the customer

also includes keeping an eye on and optimizing costs: We offer them transparency about all cloud services in the company. In addition, we offer technical and commercial cost optimization through dynamic cloud use and regular analysis and coordination. I am proud to be part of the team that has already initiated this project in the last year. This is so important for the customer and has ensured such high customer satisfaction. And I am looking forward to further cooperation!

In extreme situations, some people bring out the best in themselves, and this has been one of the most beautiful lessons that the current crisis has given me. When the pandemic began, many colleagues from T-Systems found ourselves at home eager to help and together with another group of people from our customer Mercabarna, the idea of doing a solidarity Hackathon came up. In 2 days a multidisciplinary team of more than 20 people was organized and in 24 non-stop hours we create a Solidarity Marketplace-app "T-Mercabarna Solidaria" that has allowed to distribute tons of food to those most in need. When the engine of the heart is combined with the professionalism of a great team, wonderful things can be done.

I always wanted to work in an environment where new ideas & approaches were given a chance to flourish. After working here for 2 years, I can vouch that T-Systems, India is that company. Upgrading my skill set constantly & comprehending client requirements to map them with solutions is what it takes to succeed in my job. I was extremely happy when I got to work on a project for a leading automobile company. If I set my mind on something, I believe I can achieve it. With the help of my team, we not only streamlined an automated system for this client but also successfully added a feature to alert their service desk agents via automated call & SMS through a bot, based on the priority of an incident. The positive feedback that I received is what counts as a measure of appreciation for me and that's how I know – I am conquering in my field!

Since the day I joined the company to the date, I would describe my journey at T-Systems, India the one to be cherished forever. Every day was new, filled with opportunities and challenges. I feel enthusiastic when I work towards solving client problems with new-age technology. My role demanded me to master niche technical skills that can be used to develop optimum solutions for our clients. I along with my team mates Vijayendra R. Sourabh Saha Sanjukta Dey created solutions such as for a leading client who has to maintain huge data of its suppliers which needs validation & creation of SAP entries. Our system provisioned scalability to accommodate existing & new entries without code changes. I can say the one thing that motivates me to SUCCEED in such tasks is my will to do right by my clients. I learn, I grow, & now I lead in my profession.

It's been 2 years at T-Systems & I am proud to be a part of this transformational journey. For me & my teammate Saurabh Raut, customer satisfaction has always been our goal. If something falls short, we complete it. We accept the challenges that come in our way to achieving customer satisfaction. We collaborate, brainstorm & come up with "out of the box" solutions. One of which was building an automated solution independent of GUI & implementing the S/4HANA API for one of our leading German clients. We minimized the error probability which was their main concern. And, that's how we set an example to showcase our dedication towards our work and clients. I am highly inspired by "Win at what you do" which helps me benefit my client with a more stable approach to their technical crisis.

Discover how we helped different companies across the world solving their digital challenges and transforming their business.

We would be happy to provide you with the right expert and answer your questions about the

right digital solution for your acute business challenge.

URL: https://www.t-systems.com/de/en/artificial-intelligence

Rethink the system: Transformation to a responsible AI-supported company

Simplify, accelerate, improve: Artificial Intelligence (AI) should be a real game changer in our favor. So far so good. But how do companies strategically adopt AI? Clean data models, standardized processes, data protection-compliant storage location, data sovereignty – and human expertise are one thing. But can the transformation to a responsible AI-supported company succeed in this way?

When implementing AI in companies, the term responsible AI, often associated with digital ethics, appears more frequently, as Artificial Intelligence has no opinion and no moral compass. AI is technology - a means to an end and it is up to us to use it positively without ignoring the risks and dealing with them responsibly. However, responsible AI is much more than ethics and must be viewed in a broader sense. Dealing with AI is about human-centric AI and corporate responsibility.

AI is not just another technology. Their development is not linear, and their influence is far from over. That is why it is necessary to rethink AI. How we use AI for the benefit of people and the planet. It starts with us developing and training AI responsibly according to ethical standards and using it in a human-centric way as an extension of human skills and decision-making. Human-centric also means that the results initiated by AI are always finally checked and controlled by humans. This is the only way to reduce risks and implement transformation projects into a sustainable AI-supported company.

Unlocking data-driven excellence with AI-powered solutions in an efficient and agile manner across industries.

The database on which they are based is decisive for the quality of AI-supported solutions and results. Data and data-based work are deeply anchored in the DNA of T-Systems and this expertise is also reflected in our pioneering role in data-driven innovations such as Data Spaces, Catena-X and Gaia-X. To exploit the full potential of data and AI, we act with foresight and recommend companies take a holistic approach. To do this, we show them ways of integrating data- and AI-based results into their strategies, processes and decision-making processes and support them in developing a strategic roadmap to use AI responsibly and in a human-centric manner. In this way, we enable companies from a wide range of industries to achieve the greatest possible benefit for their business in the long term.

Only with a clearly defined strategy can the change to a real AI-enabled enterprise succeed. The focus must then be on a transformation that always takes data protection and data security into account and enables companies to make data-driven decisions and drive innovation responsibly. A real AI-supported company also makes it possible to optimize processes, improve customer experience and better achieve your own sustainability goals.

T-Systems offers the right know-how for the transformation to an AI-supported company. The ethical AI guidelines set up by Telekom also apply at T-Systems, which define how we use Artificial Intelligence and how we develop our AI-based products and services.

Experience the transformative power of AI with the comprehensive range of solutions from

T-Systems. Our general AI stack provides consulting services for industries such as automotive, public sector, healthcare, transportation, supply chain management, human resources, manufacturing, sales, marketing, and retail. We offer tailor-made solutions for customer-specific requirements, such as computer vision, NLP, and generative AI, all built on proven AI platforms and scalable cloud infrastructure. Our solutions like the AI Solution Factory and the Telekom Data Science Platform enable seamless AI training and development and easy deployment on cloud platforms.

Platforms and IPs 1

Ecosystem partners (including startups) 1

Dedicated AI labs 1

Projects across AI discipline 1

T-Systems AI Practice, June 2023

Learn how AI and analytics can enable companies to unlock the potential of data by building insights into actions.

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

T-Systems supports you on your path to innovative AI applications like ChatGPT.

Machine learning (ML) and artificial intelligence (AI) technologies can be used to address many of the identified targets of digital innovation.

Learn how AI and analytics can enable companies to unlock the potential of data by building insights into actions.

Unlock the full potential of your business with the simplicity and efficiency of AI. Our powerful framework goes beyond proof-of-concept, enabling seamless model training and automated scale-up into live environments.

URL: https://www.t-systems.com/de/en/data-intelligence/solutions/modern-data-backup

A next-generation cyber recovery solution, designed by Dell, managed by T-Systems

Traditionally, data backups are the "last line of defense." But what happens when your backup is compromised by a cyberattack and your final line of defense is crossed? Contemporary threats demand new cyber resilience strategies, including more effective disaster recovery and business continuity planning. Dell's Cyber Recovery Vault data protection solution rapidly isolates business-critical data from attack surfaces and flags anomalies.

As cybercrime and cyber warfare outpace cybersecurity defenses, every organization must be prepared for the inevitability of a successful cyberattack. Dell's Cyber Recovery Vault transforms how data is managed and protected and is vital for ensuring the recoverability and integrity of

critical assets. Now, the threat landscape need not be an inhibitor to digital transformation. The Cyber Recovery Vault offers two distinct advantages:

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Find out how off-site disconnected backups, air-gapped data backup architecture and state-of-the-art encryption can protect your data backups.

Would you like to learn more about a unique data backup protection solution that not only isolates your critical data faster but analyzes it? Would you like to gain a competitive advantage with a more robust cyber resilience strategy? Get in touch!

The Dell Cyber Recovery Vault operates in four steps:

Monitoring and reporting are also provided from the vault and can be shared in various secure methods.

Dell's Cyber Recovery Vault is ideal for all sizes of organizations and industry types. It is suitable for any scenario as it receives backups from any source, from on-premises to data centers to multiple clouds. T-Systems manages the solution on behalf of our client organizations, founded on a solid twenty-year partnership with Dell. The Cyber Recovery Vault is available as a standalone service or included in T-Systems' broader managed services portfolio.

URL: https://www.t-systems.com/in/en

This prestigious certification is a testament of the hard work and dedication of our employees, who have helped to create a positive and inclusive workplace culture.

We take our customers forward on their digital journeys.

Progress your career in a trusting working environment with a passion for IT.

Reliability, security and sovereignty of digital business models through end-to-end IT services.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

Explore our customer magazine "Future Practice" to know how we embrace futuristic technology to support our customers, what are our values, and what makes us a great place to work at!

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How do we prepare for a digital future? Discover how innovative technologies enable new business models that improve the lives of countless people: from autonomous driving to

neuronally controlled exoskeletons.

As a top IT services provider and digitalization enabler, we are the backbone for the world's leading companies. Our clients span across regions and industries. How can we help you successfully digitalize your business?

Fully-integrated complete solution provides digital traffic management and smooth processes.

With our newsletter, you will have a clear overview of all upcoming events and online seminars, benefit from insights and best practices, and will no longer miss out on special offers.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/application-services/solutions/cloud-application-services

Supporting companies during implementation, operation, and further development of their application landscapes

What happens to applications in the cloud migration? Not every application from the legacy system can be migrated into the cloud. And not every available cloud application covers all functionalities required in the company. But IT modernization, digitalization, and migration always offer the opportunity to test out applications and to use new ones from the cloud or to switch them to cloud-native apps.

Where are the traps in using public cloud services? Check out three ways to master the challenges with examples.

We accompany our clients through the entire application life cycle: from evaluation, to see whether applications are suitable for the cloud, through to application management in the cloud. The basis for all application-related decisions is the analysis of the business processes. It is for older applications in particular that there is often a chicken and egg situation. The challenge: Over many years, companies have adapted their resources, technologies, and applications in their own IT to the processes even though these processes are outdated. We turn the tables with cloud-native applications: Companies use this to adapt their processes to the systems – because they are more efficient.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

We're more than a provider; we can partner with you throughout your application modernization journey and beyond.

Cloud Migration Framework ensures a low risk, standardized, automated and modular approach to cloud migration.

Data are the key to success. Make the best out of your application landscape.

Future Cloud Infrastructure brings on-premises infrastructure, private cloud and public cloud together on one platform.

SAP solutions for modern and sustainable IT infrastructures and SAP ERP landscapes.

Highest performance and maximum high availability for critical infrastructures.

A cloud solution as individual as your business model: let our experts help you find the right approach. Together we will find the right services to suit your requirements. As an independent cloud service provider, we are by your side.

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/smart-factory

The intelligent factory connects manufacturing processes and logistics

Some 200 billion euros – this is what strategy consultants at McKinsey in Germany estimate the increase in growth will be by 2025, if companies implement the smart factory concept. This aspect alone makes one thing clear: only those who network their factories intelligently with a greater focus on digitalization will be able to further optimize their value chains. The supply chains and production networks are so complex that companies can no longer implement them on their own. As a rule, the manufacturing companies follow the path to transformation on a step-by-step basis. T-Systems is at your service with digital solutions and expertise.

Reliable management of logistic and production activities with GIMM, a flexible & scalable product suite of T-Systems.

Quicker and more flexible reactions to increasingly individual customer requirements, reductions to outage times, high capacity, process optimization and cost savings – all this and more is possible with a transformation towards digital manufacturing. But to develop intelligent factories, companies need a clear strategy. All information must be available at all times, right from the planning stage – and this is where we help our customers.

Only when a process chain is continuously optimized can the smart factory fully utilize its intelligence. As such we are always thinking outside the box where production is concerned. The basis for all applications is a secure infrastructure, which we can provide with 5G-campus-networks and edge computing. In this way, quick and secure connections are guaranteed in real time.

Augmented & virtual reality enable proactive production with solutions for maintenance, tracking & tracing of all materials in stock, up to anomaly recognition and optimization of the entire product life cycle, as well as data management from the cloud and real time analysis of large data volumes.

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our privacy policy.

Improve production and logistics quality, achieve more transparency and greater flexibility, or reduce production costs – with intelligent data management. (Video in German language)

Thanks to the integration capabilities of T-Systems you can continue to use your existing networks and IT landscapes, adopt already digitalized processes, gradually develop new functions, and implement optimized processes. State-of-the-art MES systems build the foundation for a quick introduction and professional rollout.

As if by magic, driverless transport vehicles move through the factory hall, resupplying production employees with the necessary components. Everything becomes quicker and more efficient. Or to use another phrase: more intelligent. As such, automotive companies and suppliers, such as Magna Steyr in Graz, are completely set on transforming their operations into smart factories with the help of T-Systems. This way they can operate more flexibly, have greater control over capacity, and more effectively deal with time pressure.

T-Systems accompanies companies on their step-by-step journey to creating digital factories:

In many companies the desire for digitalization is there. Often numerous ideas abound – but the way to proceed is not always clear. T-Systems helps you to focus on exactly the things that will really help your business. This includes detailed consultation with our experts on all aspects of digitalization. A workshop in which we develop an appropriate solution together with you and likewise talk about the design of the business model is always helpful.

Then we are ready to move on to the practical stage: for the proof of concept, an actual use case is implemented so that the potential solution for your company can be correctly evaluated. Following on from this is the rollout with the most suitable end-to-end solution as well as the operation and services for the desired applications.

What's most important: our support does not end here. We continue to optimize your ongoing processes, drive your transformation forward, and provide additional service measures for your business.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/about-t-systems

Realize the full potential of digitalization – with us

"We take our customers forward on their digital journeys. With a clear focus on selected industries, regions and offerings with unique selling propositions, T-Systems' strategy is to be the leading vertically-focused integrated service provider in Europe.", says Adel Al-Saleh, CEO of T-Systems. Gain insight into our digitalization offering and tap the full potential of digitalization – together with us!

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How do we prepare for a digital future? Discover how innovative technologies enable new business models that improve the lives of countless people: from autonomous driving to neuronally controlled exoskeletons.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

Our newsletter service provides you with information on all upcoming events and webinars, offers insights and best practices and informs you about special offers.

How can we make your company digitally future proof?

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/passenger-infotainment

Our cutting-edge infotainment systems keep you amused and informed on the go

In today's dynamic rail travel landscape, passenger infotainment is pivotal. Meeting passengers' rising expectations for real-time, high-quality information, T-Systems offers innovative solutions. Our dynamic passenger information systems go beyond essential data, providing real-time updates, connections, and entertainment, ensuring an enriched journey for passengers, and streamlined operations for rail operators.

Today's travelers seek more than mere point-to-point travel; they demand convenience and a passenger-centric experience. T-Systems, with expertise in public transport information, real-time computing, and multimedia entertainment, stands at the forefront of this transformation. We combine real-time passenger information and customer-centric infotainment, crafting an environment where passengers remain at the heart of their journey, informed, entertained, and delighted throughout their travel experience.

Are you looking for customized passenger infotainment solutions for a seamless journey experience for the passengers? Reach out to our experts today!

To boost customer satisfaction and modernize services, managing complex IT landscapes and various supplier solutions is key. The solution involves a central system with automated content management and real-time information, offering dynamic, customizable visuals and integration with key transportation modes. This leads to an improved passenger experience, streamlined operations, cost-effectiveness, easy migration, and a foundation for future development. The T-Systems' RIDS provides comprehensive information for customers at stations and stops. Journey information, route guidance, and multimodal travel offers are presented in a modern, multimedia format and in real-time.

T-Systems has implemented a universal Flight Information Display System (FIDS) that is revolutionizing the way airports manage their operations. This system expertly handles real-time flight schedules, advertising, and critical information across numerous display units, delivering a seamless passenger experience and operational efficiency. The upgrade to the 4th generation FIDS offers increased availability, scalability, and cost-efficiency, optimizing key processes like

flight information distribution, de-icing, and baggage handling. The customized integration into the airport's IT infrastructure ensures a superior passenger experience, further solidifying the airport's role in global aviation. In another significant airport, this innovative FIDS solution has resulted in enhanced efficiency and reliability, strengthening the airport's position in Germany's aviation landscape.

Keeping passengers well-informed from start to finish is crucial for delivering the optimum modern travel experience. That's where dynamic passenger information encompassing a range of tools and technologies plays a vital role. This passenger information displays offer real-time details on arrival times, service disruptions, and essential journey information at each stop, reducing uncertainty and enabling more informed decisions. In-vehicle information displays take it further, providing passengers with real-time updates on their location, upcoming stops, and estimated arrival times, offering engagement and guidance throughout the journey. Meanwhile, real-time internet information, accessible through websites and apps, empowers passengers to plan journeys remotely, access schedules, track vehicle locations, and receive notifications on service changes or disruptions, enhancing convenience and control. This comprehensive approach of T-Systems not only benefits passengers but also fosters customer satisfaction, increased ridership, and resource efficiency for transportation providers, making dynamic passenger information an integral component of modern transportation systems that promises ongoing innovation for travelers.

URL: https://www.t-systems.com/de/en/success-stories/security/privacy-inclusive-at-office-365

Church organizations benefit from Cloud Privacy Service for Office 365

The services organized and provided by the churches are very diverse: There are very large enterprises like Diakonie and Caritas, which perform welfare and social work with their tens of thousands of employees, as well as nursery schools with only a handful of employees each. In 2004 the churches founded the Business Community of Churches in Germany (WGKD mbH) to consolidate procurement of products and services by church organizations. It provides this service to all units associated with the Protestant and Catholic churches, regardless of their size.

To ensure good purchasing terms for all units within the church, WGKD mbH concludes master agreements with a variety of suppliers. Its associates are the Association of Dioceses in Germany, the German Caritas Association, the Protestant Church in Germany, the Evangelisches Werk für Diakonie und Entwicklung, and the German Conference of Superiors of Religious Orders. WGKD mbH sought a solution to ensure the secure use of Office 365 in compliance with German privacy laws.

Of course, church-run enterprises also need IT services to support their internal workflows, as well as to maintain communications with customers (such as with parents at nursery schools and other schools). Mails, file-shares, and videoconferences and chats provide a variety of possibilities. These units are increasingly replacing their conventional on premise Office installations with the modern Microsoft Office 365 solution from the cloud, with its many collaboration options.

Education and care are "people businesses". They center on people as customers and service providers. Personal data also has to be exchanged securely in other business areas, which raises privacy issues with the deployment of Office 365. Microsoft saves chat sessions and email on its servers, for instance – a practice regarded critically by many privacy advocates. How can Office 365 be used by churches securely and in compliance with German privacy laws

– and without disturbing familiar workflows?

Thanks to the Cloud Privacy Service by T-Systems, church organizations can enter the modern world of collaboration, based on Office 365, with a clear conscience.

Georg Faßbender, Head of IT Business Area, Business Community of Churches in Germany (WGKD mbH)

T-Systems and eperi offer a suitable solution in the Cloud Privacy Service (CPS). The CPS is an add-on encryption solution that can be implemented quickly and easily and runs as SaaS (software as a service) at a T-Systems data center. The service runs fully independently of Microsoft Office 365. A core component of the service is a gateway that enables encryption of the data before it is transferred to the Microsoft Cloud. All communications are initially routed through this encryption gateway before they reach the cloud. The cryptographic keys and encryption remain exclusively in the hands of the users. As a result, no one else can read the clear-text data, making unauthorized third-party access impossible.

The solution is state-of-the-art and runs in the background. Users do not even notice the additional privacy protection. No plug-ins or other modifications are needed. The familiar workflows remain unchanged.

As SaaS, the Cloud Privacy Service offers scaled prices based on the number of users. This means the price per user drops when more workplaces are equipped with the Cloud Privacy Service. This is where WGKD mbH came into play: They concluded a master agreement with T-Systems for all church organizations, enabling much higher discounts compared to many individual installations. As a result, smaller units benefit from use with larger organizations.

"Thanks to the master agreement, we can now make an attractive offer to all church organizations that enables them to use Office 365 securely and compliant with regulatory requirements," summarizes Georg Faßbender, Head of IT Business Area for the Business Community of Churches in Germany. As a result, privacy debates and GDPR problems are off the table. The organizations can take the leap into modern collaboration solutions.

The master agreement secures the best possible terms for the individual units, laying the foundation for rapid implementation. The technical provisioning also supports a fast rollout: as SaaS, the service can be implemented quickly and scaled – and the units only pay for what they actually use. The price is based on the number of managed cloud accesses and adapts dynamically to the scaled discounts of the Cloud Privacy Service. This means even smaller units benefit from the quantity discounts. Individual accesses can be canceled monthly, giving customers maximum flexibility.

Church organizations benefit from Cloud Privacy Service for Office 365

The Protestant and Catholic churches in Germany are much more than buildings, priests and pastors, communities, and divine services. In fact, with some 1.2 million employees, the two churches are the second-largest employer in Germany – after the state itself. In addition to central church organization, they operate nursery schools, hospitals, youth centers, retirement homes, nursing services, educational facilities, banks, insurance companies, and breweries. They also hold investments in TV production companies, news agencies, and radio stations. And 2,000 schools are run under the aegis of the Protestant and Catholic churches.

Wirtschaftsgesellschaft der Kirchen in Deutschland mbH (WGKD)

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We will be happy to provide you with the right security experts and answer your questions on planning, implementation, and maintenance of your security concept.

URL: https://www.t-systems.com/de/en/industries/automotive/topics/industry-x

Make your vision for car development and digital production a reality – and master the digitalization jungle

Improved efficiency, resilience, and competitiveness are the central maxims of developing and producing cars in the future. Car manufacturers need flexibility and resilience – and this in an increasingly complex environment, where sustainability and industry initiatives like Catena-X play an important role. Industry-X is the answer to the challenges of industrial automation.

Industry-X characterizes the consistent development of Industry 4.0 and goes a step further: alongside digital transformation and automation of production processes, Industry-X also addresses sustainability concerns, as well as integrating data ecosystems – like Catena-X. With the implementation of an Industry-X approach, automotive companies can simulate, monitor, and optimize the whole value chain in real-time and introduce innovations. They can produce products both quicker and more efficiently and reduce the environmental impact at the same time.

Industry-X demands a new culture and way of thinking that makes it possible to adapt quickly to market demands. But Industry-X also needs new processes, employees with suitable skills, and current technologies. T-Systems is a reliable partner for all topics around Industry-X. We help our customers navigate the economy through digitalization, bringing silos together, standardizing, modernizing, and integrating suitable parts into valuable solutions. We help realize visions for the future of the whole car manufacturing process and beyond.

We offer a combination of unique know-how in processes and technology. We are experts in process solutions, machine connections, artificial intelligence, digital twins, the industrial metaverse, and networking. We quickly adapt the latest methods and technologies. We have a strong sustainability agenda and are a founding member of Catena-X. Our comprehensive portfolio of ready-to-go solutions provides Product Lifecycle Management, Cloud-based Engineering, Supply Chain and Warehouse Management, and Digital Production.

in IT for automotive 1

experience 2

automotive experts 2

automotive digitalization projects 2

"automotiveIT's Top 25 IT Providers", automotiveIT, 2023

T-Systems Automotive Practice, 2023

This is how you can use data spaces and protect your data sovereignty at the same time, as well as develop new data products and make groundbreaking super apps.

Rethink industrial automation. Leverage the full potential of digitalization with us.

URL: https://www.t-systems.com/de/en/industries/healthcare

Healthcare technology has been the talk of the town. Now, we make it a reality for better patient care and service delivery

The availability, quality, and efficiency of medical care is vital. However, lack of skilled workers, time-consuming bureaucratic processes, and absence of communication options often stand in the way. To improve this scenario, we need to digitalize the healthcare system – from hospitals and healthcare insurers to rehabilitation facilities and midwife practices. At T-Systems, we map the entire patient journey, whether prevention, treatment, follow-up care, or solutions for rehabilitation facilities. Our primary focus is the optimal treatment and secure handling of sensitive patient data.

The digitalization of clinics and rehabilitation facilities holds many opportunities for patient-centric healthcare. Digital applications relieve the burden on employees and enable new services. From hospital IT to security solutions, our portfolio connects everyone in healthcare over state-of-the-art IT infrastructure.

The introduction of digital identities in healthcare gives back control of their data to policyholders: our HealthID enables the secure and convenient management of health data, meets the strictest security standards, and opens the door to health applications.

The integration of the healthcare system into the telematics infrastructure is essential. Enabling secure electronic communication and the exchange of patient data, it is the basis for greater efficiency, quality, and safety in healthcare.

The digital transformation of healthcare has great potential to improve care but costs, a shortage of specialists, and data protection are still hurdles – with us as your partner, you drive patient-centered care with modern technologies.

Information Services Group for Germany (ISG) recognizes T-Systems as leader in digital healthcare services 2022.

Modernizing the sector with smart cyber defense.

First approval for healthcare in Germany: BARMER introduces digital identity for policy-holders in 2024 with T-Systems.

With the Telekom Healthcare Cloud, companies in the healthcare sector finally have access to a public cloud that complies with data protection laws and regulations.

Kate Berghaus is a multi-talented person. The British native advises German hospital customers for Telekom Healthcare Solutions.

Experience a whole new way of exploring digital opportunities.

Digitalization is a sensitive topic, especially in the healthcare environment, which should be conceived from the ground up and requires reliable partners. That's why our experts are happy to provide you with advice and support. Give us a call and let's talk!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/google-cloud-managed-servic

Modernize your infrastructure and application landscape with Google Cloud

In the space of just a few years, Google Cloud has become one of the largest cloud providers. As the market leader in data-driven business solutions, GCP is automating business processes and optimizing workloads. Intelligent analytics can help you unlock vast potential to efficiently develop and manage your organization's applications.

Our team of experts transforms infrastructure requirements into reality with a special focus on targeted computing, storage, and networking concepts. These solutions, which are customized to customer requirements, include the Compute Engine with VMs including GPUs or TPUs, storage with Filestore (NAS) or Cloud Storage, as well as networks with cloud DNS, Load Balancing, or VPC networks.

The largest private backbone network in the world offers high availability. All secured data on the platform is encrypted to the highest standard. Automation is used to ensure and enforce predefined access policies and encryption of Cloud Storage. Secure password policies and multi-factor authentication are configured as standard through Cloud Identity and Cloud IAM.

Remain flexible in the management of your local applications and across various cloud providers without having to be locked-in with particular hardware.

Outage monitoring in regions or domains, as well as API logging and the logging of other events, are pre-configured using native functions of the Cloud Operations Suite.

Infrastructure-as-code solutions, such as those based on GitLab CI/CD and HashiCorp Terraform, ensure reliability in the provision and operation of infrastructure.

Thanks to real-time information from market-leading analysis tools such as BigQuery, you can concentrate exclusively on development.

AI platforms and ML models facilitate integration into your existing development environment and ensure that valuable findings are made quickly.

As a Google Cloud Premier Partner, T-Systems has certified expertise in GCP. We pair this with our extensive and long-standing specialist expertise in cloud infrastructures. This includes setting up and operating public, hybrid, and multi-cloud environments as well as local landscapes. We carry out holistic analysis of the architecture, security, and operation of an IT infrastructure, know what questions to ask, provide guidance, and make recommendations across all industries.

Google Cloud Platform benefits significantly from Google's fiber optic network infrastructure, which typically provides better performance than standard network infrastructures. The creation of hybrid and multi-cloud infrastructures is one of the key differentiators of GCP. For this purpose, GCP relies on Anthos, a framework for executing workloads across multiple clouds.

Anthos is based on open-source technologies such as Kubernetes, making GCP a flexible and open development environment.

For the global operation of data centers and the Google Cloud Platform, Google opts for 100% renewable energies, thus committing itself to global climate neutrality. Experience has shown that shifting your IT services into the Google Cloud enables energy savings of up to 85%.

Google Cloud offers a robust and comprehensive suite of security layers to protect your data, applications, and infrastructure. These security layers are built on Google's many years of experience and backed by extensive certifications, such as ISO 27001, SOC 2, and BSI C5.

Google Cloud's deep defense strategy includes multiple layers of security to protect infrastructure and customer data. The following is a summary of the main layers of Google Cloud Security:

Google's data centers are high-security facilities that employ advanced measures to protect against physical threats. These include strict access controls, video surveillance, and robust perimeter security.

Firewall controls, network segmentation, and Virtual Private Cloud (VPC) configurations allow for secure communication between services. Google also offers best-in-class protection against distributed denial of service attacks on its infrastructure and customer services.

Google Cloud uses multiple layers of encryption as standard to protect customer data. These measures include at-rest, in-transit, and in-use encryption (confidential computing), key management services (Cloud KMS), and data loss prevention (DLP) features.

IAM offers centralized control over user access to resources in the Google Cloud. It enables administrators to manage user permissions and implement granular access controls.

A range of security and compliance tools including the Security Command Center and Cloud Security Scanner support customers in securely managing and maintaining their environment.

Learn how T-Systems is addressing a wide range of challenges across industries with Google Cloud products.

Our Managed Cloud Services for Google Cloud take the burden of administrative tasks off your shoulders and give you the freedom to innovate and develop new business models. Get started with Foundation Services:

For a personalized offer, please speak to our consultants.

Regardless of whether you are already using Google Cloud Platform or are looking to experience it for the first time, we are on hand with various consulting modules. Our experts are happy to provide you with individual and holistic advice – covering everything from architecture and security aspects to operation. In this way acute bottlenecks, risks, and costs can be reduced.

In the "save and optimize" workshop, we help you to shrewdly exploit potential for efficient workflows and production processes and support you with short-term implementations.

Do you want to know if and how Google Cloud Platform can cover your digital requirements? Then ask for a "getting ready" advisory session to receive an individual potential and risk analysis with an assessment from our cloud experts. This allows irregularities to be detected at an early stage and countermeasures can be initiated promptly. In doing so, you will be able to take advantage of optimum and customized GCP services right from the start.

If desired, we can help you analyze your specific requirements and develop the appropriate, customized solution. We support you right from conception to final implementation in your cloud landscape. Our Google Premier Partner status means that you benefit from having a unique team of experienced Google experts with a deep understanding of cross-industry use cases in the cloud. Backed by previous customer projects, our experts can support you and draw on their experience with a wide range of Google Cloud products and features for common use cases:

You can also benefit from the Google Cloud training program: keep your employees up to date with the latest and greatest possible level of knowledge through targeted training. Your chosen training programs will be rounded off with corresponding certificates as proof of successful completion.

Still not sure if Google Cloud offers the right solution for your cloud project? Our Google Cloud experts are happy to explain the benefits and answer all of your questions. Get in touch!

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/cloud-migration-services

The Cloud Migration Framework offers secure migration of complex infrastructures and applications into multi-clouds

There are no end to the reports of aborted or budget-breaking cloud migrations. Nevertheless, companies should not be deterred by this. According to the IDG research study "Cloud Migration 2021", 85 percent of businesses surveyed reported that they were satisfied with their cloud migration projects at the time of the study. The key to success here is starting out with a cloud migration strategy. T-Systems uses a Cloud Migration Framework based on best practices.

Say goodbye to billing silos and legacy systems. Cloud Billing lets you manage your orders, provisioning, and billing processes in a central and highly secure SaaS solution – from the Open Telekom Cloud.

Our proven Cloud Migration Framework (CMF) guarantees the punctual and reliable migration of resources hosted on premises. Prior to the migration we develop a strategy together with our customers as part of a Cloud Readiness Assessment. Alongside an evaluation of cloud-readiness, this entails detailed analysis of individual business challenges and goals. This process results in a proposed solution that describes the target systems within a multi-cloud environment. This way, we can create an effective, tailor-made cloud migration strategy that fully leverages the potential of various cloud providers.

Through the migration to Microsoft Azure, Aethra has lowered its operating costs by 60 percent and improved its performance by 30 percent.

Ensure your migration is a success and get the most out of the cloud. We'll show you how it's done.

A cloud solution as individual as your business model: rely on our experts to help you find the

right approach. Together, we will find the services that match your requirements. As an independent cloud service provider, we are on your side.

URL: https://www.t-systems.com/de/en/newsroom/futurepractice/issue-01-2022

While we innovate and leverage cutting-edge technologies to extract the best out of what life has to offer, we should also ensure that we give back to replenish the planet – because that's the only one we inhabit for the foreseeable future!

In this edition of the Future Practice magazine, you'll find exclusive insights into the beautiful interplay of sustainability and high-end technology, and how it's shaping up the digital future of business and society as a whole.

As a global IT supplier seeking to make the society more sustainable, T-Systems bears a great responsibility.

Explore how cloud is driving the retail sector and how T-Systems, with its innovation center, is poised to welcome the advent of the Metaverse.

Green farming: sensor-based control, seamless monitoring of supply chains and sharing of acquired data with consumers.

T-Systems' first fully virtual brand movie projects the company's ultra-futuristic outlook and was filmed in just 24 hours.

With companies & governments racing to meet sustainability targets, digital innovations could lend a helping hand.

Explore how T-Systems and Google Cloud combine their expertise to achieve secure migrations, stable operations, data sovereignty, and innovation for SAP systems.

By combining sensor technology, machine learning, cloud shop floor intelligence, and edge computing, chip manufacturer GlobalFoundries brings essential stability to the ultrapure water supply of its semiconductor production.

Data scientist Dr. Pavol Bauer on the reasons why many AI projects fail, three success factors to prevent this, and why Artificial Intelligence needs humanity for us to truly benefit from its potential excellence.

Solving the automotive data confusion.

Oliver Bahns on the importance of connected cars, why they continue to evolve, and avoidable braking maneuvers.

SASE is the newest kid on the security block – but how do you make it work for your organization? Here are a few tips.

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions/sap-application-manag

Modernize & automate your SAP application landscape with our holistic framework, end-to-end

managed services, and tools

Enterprises need the agility to adapt to changing market requirements. Automation is core to contemporary Application Management: increasing operational efficiencies, improving user experiences, and reducing costs. A lack of tools – specifically accelerators – is a common barrier to automation. Our model includes everything you need to modernize and extends to non-SAP applications that integrate with or complement your SAP landscape.

Discover how to accelerate and optimize your performance with our customized Application Management & Modernization assessment.

Ambition 4.0 is our ITIL-based SAP Application Management and Modernization framework. We apply 20 years of experience, proven knowledge of SAP, and learnings from other clients.

The framework is in four stages:

As a long-standing certified SAP partner with numerous awards, we can help you modernize and succeed with SAP.

Our approach stems from six value creators:

We can automate business processes and IT support activities for each application. From automating simple tasks like changing user password to complex role management, automation is the future of application management, here & now.

Benefit from 100+ automation solutions and 10+ industrialized, native SAP accelerators. We also deliver SAP automation with integrated home-grown accelerators. Accelerators increase the automation of your SAP environment, reduce manual effort, and improve quality. Our toolkit of ready-to-run solutions includes a bot management platform and mature methodologies and processes.

We can assist in simplifying and automating your IT operations, modernizing your SAP applications, and delighting your users and stakeholders. If you have any questions about our SAP managed services, do get in touch!

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/kuka-edge-computing

KUKA offers manufacturing companies an all-inclusive package to help them take advantage of the opportunities offered by digitalization

As one of the world's leading suppliers of intelligent automation solutions, KUKA is an important provider of smart factory technology. Working in partnership with T-Systems, KUKA provides its customers with a comprehensive package of solutions for smart robots. KUKA supplies robots and software, and T-Systems contributes managed IT services based on world-class edge computing resources from Intel. Backgrounds in our case study.

Many companies in the manufacturing industry have come to recognize the importance of digitalization and data in their businesses. As you know, companies that wish to remain competitive have to set up their production in a future-proof and flexible manner and develop solutions for the current and future challenges. And that can only be achieved through better knowledge of central production data

KUKA knows what its customers want. Engineers have developed intelligent robots that provide the manufacturing industry with completely new horizons. This is not just a matter of performing analyses for optimizing production cycles. It's also about providing simpler service at lower cost, and the possibility of introducing artificial intelligence in order to – perhaps – revolutionize the way we work in the future.

KUKA has put together an all-in-one package for KUKA's manufacturing industry.

IT plays an essential role in establishing a smart factory. KUKA was searching for an experienced partner in edge computing whose managed services could be used to create a turnkey solution. KUKA chose T-Systems for its expertise in the cloud and edge computing. KUKA's robots don't require 5G edge computing – KUKA's customers need reliability and data sovereignty – and a simple EdgAIR setup with Intel hardware (based on 3rd gen Intel® Xeon® Scalable processors) was the perfect fit.

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We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/partners/fortinet

T-Systems protects your entire IT infrastructure, including industrial networks, with leading security technology from Fortinet

Attacks on corporate networks and IT infrastructures are becoming increasingly sophisticated. IT security solutions such as firewalls must provide reliable protection against these attack scenarios: With Fortinet Security Fabric, we offer leading security technologies in combination with comprehensive managed services from T-Systems. While Fortinet is responsible for security, we take care of planning, implementation, and management.

New attack vectors, new challenges for industrial security. How do you secure your production in the long term?

Infrastructure security is effective at blocking cybercriminals and securing your company network.

Does your cyber security need an overhaul? Why security includes prevention, detection, and response.

Magenta Industrial Security offers an integrated security package to prevent cyberattacks on IT and production systems.

* Field required

T-Systems South Africa bags Fortinet Partner SD-WAN Deal of the Year Southern Africa 2019 award.

Expansion of partnership to include Fortinet's FortiSIEM solution to T-Systems' suite of Managed Security Services.

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

T-Systems becomes service delivery launch partner for AWS Transfer Family.

Hybrid working model combines the best of both worlds – remote working and office.

Four men after sport. They've polished off the pizza and are sitting over the obligatory espresso. Four small cups hover over the table. Each is flanked by the unavoidable biscuit…

Microsoft Office is the standard for the Digital Workplace. Working without Word, Powerpoint and Excel? Hard to imagine.

With Microsoft's OneDrive, the fileshare is now moving into office communication and collaboration across the board.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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Where is ImageMaster used and how versatile is it?

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I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

Invoices in SAP, contracts in SharePoint, a stock of business-relevant e-mails, presentations on the company drive and much more. How can you keep track of everything?

You can display all external content on the website at this point.

I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

With ImageMaster, you can search and export client-related GDPR data and legally adhering to rules when deleting GDPR data.

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I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

Digital long-term preservation is essential for most of the companies in many areas – as well as for the management of 3D-CAD-objects.

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Safeguarding of access to e-mails of employees retiring the company is generally not in focus – an often-underestimated risk!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/newsroom/futurepractice

Get exclusive insights into new ways of working and find answers to tomorrow's questions today.

Innovation against climate change.

Green IT – Turning over a new leaf

Flowing with the Future

Learning from others

Transformation

URL: https://www.t-systems.com/de/en/partners/sap

T-Systems is an SAP Global and Platinum Partner and has been providing its customers worldwide and from all industries with sophisticated end-to-end SAP services that enable fast and secure transformation. Tap into the full potential of digital technologies such as analytics and big data, blockchain and machine learning. With SAP S/4HANA and advanced cloud environments, you can bring your SAP system world and your company into the digital future.

Find out what makes T-Systems' solutions for SAP applications so unique – and how you can benefit from them.

The combination of SAP solutions and cloud environment is the key to efficient operations, calculable costs and innovation capability - and thus to long-term success. T-Systems offers companies everything they need for a successful digital transformation and the switch to SAP S/4HANA.

Agility, innovation, competitiveness: SAP will give you the tools to master your transformation into an intelligent company.

Modernize and automate your SAP application landscape with our holistic framework, end-to-end managed services, and tools.

Avoid downtimes, increase agility and reduce costs with managed cloud services for SAP® on AWS.

* Field required

URL: https://www.t-systems.com/de/en/industries/automotive/topics/automotive-journey-to-cloud

T-Systems: Your partner for landscape modernization and cloud transformation

Stay competitive and harness the full potential of cloud transformation and landscape modernization with T-Systems' expertise in efficient, and cost-effective solutions. As a trusted partner, we facilitate digital business transformation of the automotive value chain. T-Systems supports clients in choosing the optimal cloud solutions while our standardized, automated, and modular migration frameworks support your journey to cloud at each stage.

Our full-service package on the Future Cloud Infrastructure ensures a secure access to all your applications on private as well as public or hybrid clouds. We offer an electronic data interchange (EDI) or SAP S/4HANA solution on our private cloud especially for our automotive clients. Leveraging SAP S/4HANA on FCI, you gain real-time data insights that empower data-driven decision-making. T-Systems, with its Sovereign Cloud solutions helps you to safeguard sensitive automotive data with highest security standards and ensure compliance with regulations.

How a partnership born from a shared ambition shapes the evolution of EDI for automotive. Read the story of T-Systems and SEEBURGER.

Find the right answers from our experts for your needs about planning, implementation, and maintenance for your business modernization and cloud transformation strategy.

URL: https://www.t-systems.com/de/en/industries/manufacturing/topics/resilient-supply-chains

Embrace technology to create adaptable, resilient, and efficient supply chains

Supply chain disruptions, from natural disasters to economic crises can impact production, operating costs, and inventory, resulting in loss of customers and revenue. Manufacturers are now prioritizing digital transformation by building and enhancing supply chain resiliency end-to-end to mitigate supply chain risks, reduce vulnerabilities, and ensure continuity in the face of unexpected disruptions.

Recent geopolitical events and the pandemic have revealed the fragility in global supply chains and the demand to digitalize them. Manufacturers need to strike a balance between efficiency and flexibility to ensure they can withstand disruptions while meeting customer demands. Digital supply chains can increase visibility, automate processes, and improve decision-making. Integrating new technologies into supply chain processes has thus become crucial for organizations to remain competitive.

Learn how to modernize your data for a resilient and efficient manufacturing system with Google Cloud Platform.

Reimagine your business operations and elevate customer experience with T-Systems' smart supply chain solutions. Get in touch with our manufacturing experts today!

Manufacturing companies often face challenges in responding to supply chain disruptions due to limited transparency, leading to inefficiencies and high costs. T-Systems' modern solutions offer a comprehensive view of the supply chain data from the different sources. By integrating machine monitoring data together with the supply chain data and leveraging AI, get real time analysis to predict bottlenecks early and prevent outages, improving supply chain management processes overall.

Access real-time insights about asset and goods location within your campus or across company locations through seamless integration of multiple location technologies. T-Systems' smart tracking IoT solutions offer cost savings by reducing inventory and labor expenses, enhancing production efficiency, and minimizing waste. These improvements result in fewer delayed deliveries and increased customer satisfaction, ultimately boosting sales and ensuring end-to-end supply chain transformation.

URL: https://www.t-systems.com/de/en/success-stories/security/kaeser-kompressoren-se-enterprise-mobil

KAESER KOMPRESSOREN SE has mobilized all of its business processes

To transfer all business processes into the mobile world – that is the vision of KAESER KOMPRESSOREN. In the course of extensive digitization projects, the compressed air specialist quickly realized that mobile access to all applications could increase efficiency across companies. The foundation: professional Enterprise Mobility Management with a suitable security concept.

Thanks to T-Systems' Enterprise Mobility Management we now have a global mobile presence. Since being able to access all business applications from almost anywhere, our productivity has significantly increased, and that without compromising on the highest security standards.

Falko Lameter, CIO KAESER KOMPRESSOREN SE

Just like KAESER's machines, its employees also work in numerous countries on many different continents all over the world. As a digital pioneer, the international company invested early in predictive maintenance in order to detect faults in the systems before they occur. With the help of T-Systems, KAESER introduced an app that connects mobile devices to the SAP Cloud in order to send direct alerts to service technicians. With the implementation of this project, it quickly became clear that mobile access to business applications could also increase efficiency in other specialist areas and ultimately even across companies. This realization led to a new strategy: the transfer of all business processes to the mobile world.

We would be happy to provide you with the right expert and support you in implementing Enterprise Mobility Management and the appropriate security solution. Get in touch!

Within a month after the decision was made, mobile devices were rolled out in 48 countries, including the USA, Europe, Asia and Africa. KAESER employees can now work while on the move, from calendar entries and e-mail communication to the use of a wide variety of business applications such as Customer Relationship Management (SAP C/4HANA), Supply Chain Management (SAP Ariba), travel expense reports, and much more. The devices are managed in T-Systems' central Enterprise Mobility Management system and are also equipped with the

Mobile Protect Pro security solution.

This allows the international SME to concentrate on its core tasks while professionally managing all topics relating to the mobile world – from devices and apps, to content and access, to security issues. Mobile Protect Pro functions like a long-term ECG, which permanently monitors the end devices and their connections and immediately detects any anomalies. These are immediately reported to the Enterprise Mobility Management system, MobileIron, which then automatically triggers predefined measures to prevent damage. Together with T-Systems, KAESER has laid the foundation to provide mobility for all business processes in the future.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

Secure mobile access to all applications – from anywhere at any time

KAESER KOMPRESSOREN SE, a European PLC, is one of the world's leading suppliers of compressed air management systems. The family-owned company employs over 6,000 people and achieved a turnover of over one billion euros in 2017. Development services, spare parts supply, service, various operator models and individual consulting are some of the key success factors.

To the customer's website

URL: https://www.t-systems.com/de/en/success-stories/security/hrs-uses-managed-cyber-defence-service

24-hour service for security

Smart suitcases, virtual payment, automatic check-in and check-out: business travel is becoming more and more convenient, which is saving companies and their employees a lot of time and money. Digital services are making queuing at counters and reception desks a thing of the past in many cases – which is particularly important during the coronavirus outbreak for hotel, flight and rail staff as well as, of course, for travelers.

Travelers often make bookings and payments in advance using their PC or smartphone – in compliance with travel policy and in just a few clicks. Where hotel accommodation is concerned, at least, and your employer has chosen HRS as the provider. The digital service provider specializes in bookings for business travelers and not only offers a reservation tool, but also takes care of all processes and services related to their business travelers' hotel stays. "We also negotiate corporate rates for our clients and file the individual companies' travel expense limits in our portal," says Managing Director Tobias Ragge. Furthermore, HRS provides advice on accommodation options and handles the entire billing process. This all-round service is what makes HRS one of the world's leading providers of complete solutions in the business travel industry.

The cyber security experts are able to detect attacks at an early stage and provide support for the appropriate defense strategies. This ensures the highest possible level of protection for both infrastructure and customer data. Telekom's shared service model provides HRS with the solution at an impressive price for the quality of the service.

"When the specialists at Deutsche Telekom identify imminent threats to our infrastructure, they immediately initiate emergency response procedures that we have developed together," says Jochen Jaser. "To do this, the experts document all conspicuous processes, along with other things, and advise our IT colleagues on an effective defense strategy." After the first few months using the solution, it is clearly evident that it not only allows HRS's IT department to process more alarms, but it has also made the process faster and more efficient.

The security experts at Telekom's Security Operations Center support us with their vast, long-standing experience.

Jochen Jaser, Chief Information Officer at HRS

HRS is committed to increasing the IT security of its systems, optimally protecting its customers' data, and meeting high certification standards. The company strives to detect, analyze, and defend against attacks at an early stage – without having to make enormous investments or recruit experts.

In order to be able to provide this comprehensive package, more and more personal data are being processed with the increase in digitalization. The number of devices used by solution providers' employees around the world is also on the rise. There is also a growing number of hacker attacks. "Our IT infrastructure is essential to our business. Our entire business model depends on its performance and security," says Jochen Jaser, Chief Information Officer at HRS. That is why HRS is always working on digitalization and consistently developing its IT security.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

HRS relies on services such as Managed Cyber Defense from Telekom's Security Operations Center (SOC). Log files from all HRS devices are consolidated using a security information event management (SIEM) platform and software tailored specifically to the hotel specialist's IT infrastructure in order to detect cyberattacks on the corporate network at an early stage. Security-relevant log data from the HRS systems is monitored by the SOC around the clock, with up to 10,000 security-related incidents processed per second. Security software and security experts analyze them. The data analysts also use information on current cyber threats (threat intelligence information) from a variety of internal and external sources at Deutsche Telekom, thereby enhancing the quality and specificity of the analyses.

Specialists notify the HRS IT team of critical events around the clock and provide information on the risk situation. "It's both difficult and very expensive for us as a medium-sized company to hire specialists with this level of expertise because of the shortage of skilled workers." HRS also achieves cost savings by utilizing SOC services as shared services. Resources can be shared with other users in strict compliance with data protection laws. "Deutsche Telekom is a partner that fully meets our requirements. Not only do they have in-depth knowledge of security, but the company also knows the German SME sector and the e-commerce sector very well."

24-hour service for security.

URL: https://www.t-systems.com/de/en/industries/manufacturing

Innovative data-based solutions to revolutionize industrial processes

The manufacturing sector is undergoing digital transformation driven by intensifying global competition, evolving consumer habits, supply chain disruptions and new sustainability regulations. Manufacturers are embracing Industry 4.0 to stay competitive. T-Systems enables manufacturing companies to leverage the full potential of digitalization through innovative data driven business models.

Learn how to modernize your data for a resilient and efficient manufacturing system with Google Cloud Platform.

Combining new technologies with collaborative, data-driven, sustainable approaches can help drive innovation in PLM. Our solutions enable manufacturers to gain a competitive edge by boosting product quality and enhancing operational efficiency.

T-Systems' smart supply chain solutions help you gain more visibility into the supply chain and logistics processes, better inventory management as well as demand forecasting and thus responding sooner and more effectively to disruptions.

Leverage our data-based sustainability strategies coupled with cloud technology and AI to transform energy management, uncover new savings potentials, and boost efficiency in energy intensive industries such as chemicals and pharmaceuticals.

T-Systems' smart solutions enable companies in aerospace and defense industries to meet the highest standards of quality and industrial efficiency by automating production processes and optimizing supply chains while being sustainable and secure.

AWS Competency recognises quality of cloud professional and software services.

T-Systems and the German Mechanical and Plant Engineering Association (VDMA in German) are linking their data spaces.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

The MAX4SAP process framework helps avoid risks and reduce costs associated with SAP S/4HANA migration.

What is NIS2, what companies does it apply to, how will it influence cybersecurity, and how should you approach it?

Rethink manufacturing. Leverage the full potential of digitalization with us.

URL: https://www.t-systems.com/de/en/careers/pupils/bachelors-degree

Come to us to combine theory and practical skills

Not enough for you to be in the office all the time? Is just being at uni too theoretical for you? Why not combine both? We let you choose between various bachelor courses in business informatics, computer science and business management. Your apprenticeship contract is concluded with Deutsche Telekom and you can then complete your practical assignment with us. The duration of study varies from university to university and ranges from 3 to 3.25 years.

We will pay you a monthly salary and other social benefits and will also cover your university fees. You will also be entitled to vacation which you can distribute freely across your practical assignment with us. During the course of your studies, we will also provide you with a laptop, a smartphone and internet access to go with them.

During your dual studies, you will gain extensive insights into the field of business informatics. You will learn the necessary IT and computer science knowledge as well as background knowledge of business administration as well as project and process management skills.

Find your university place

You don't just use modern communication technology such as iMessage, WhatsApp and email, you would like to find out what technology is behind it. The Bachelor of Engineering degree in Information and Communication Technology teaches you which technologies and systems process and transfer information.

Find your university place

With the Bachelor of Science in Informatics, you will have the opportunity to get involved in actively shaping digitalization and, for example, ensuring that devices are able to communicate with one another. This dual degree program leads the way in your career in IT jobs in which qualified specialists are already in high demand.

Find your university place

With a Bachelor of Engineering in Telecommunications IT you are always in demand when information needs to find the way to its goal. In a combination of studies and practical work, you will learn everything about processing, storing and transferring information.

Find your university place

A technical expert who is also in the know when it comes to business matters: that's what you are when you've got your Bachelor of Engineering in Information Technology under your belt. You know your stuff when it comes to integration, further development, and selecting computer systems and their applications, but also when it comes to business matters.

Find your university place

Business management and technology – this is the focus of your dual Bachelor of Arts degree program in Business Administration. You will learn to understand economic correlations while also discovering the specific challenges that a technology group faces.

Find your university place

During your Bachelor of Science course in IT Security, you will have to tackle information security issues and develop IT security concepts for IT applications. In a varied combination of studies and practical work, you will learn everything about protecting information and networking in the digital world.

Find your university place

During your dual studies you will gain extensive insights into the field of civil engineering. You combine technical and scientific expertise with commercial knowledge and take on the planning and implementation of construction projects - from the draft to completion.

Find your university place

Do you have questions regarding the dual degree program at T-Systems? I'm happy to answer them.

Central training management

URL: https://www.t-systems.com/de/en/industries/automotive

Solving the automotive industry's key challenges with innovation

The automotive sector is undergoing rapid transformation. From electric vehicles to autonomy, from classic to new challenger OEMs, innovations are reshaping how we engineer, manufacture, and interact with automobiles, promising a future of sustainability, safety, comfort, and connectivity. Find out how T-Systems empowers the automotive value chain as a trusted partner for digital transformation.

Push the boundaries of software-defined vehicles by integrating advanced software solutions, mobility-as-a-service, AI-driven intelligent features, and over-the-air updates, transforming your vehicle into a dynamic, constantly evolving platform.

With Industry-X, we help you leverage modern dataspaces like Catena-X, and utilize industrial metaverse for digital manufacturing. Our solutions optimize supply chains, minimize downtime, maximize efficiency, and accelerate innovation.

T-Systems' innovative customer experience solutions for stakeholders across the automotive sector help prioritize user satisfaction through personalized services, intuitive interfaces, and seamless interactions, making every journey enjoyable and hassle-free.

Leverage the cloud technologies for connecting vehicles, systems, and data with journey-to-cloud solutions. Stay agile and competitive in the digital age with real-time insights, predictive maintenance, and secure communication.

The digital solution accelerates the homologation of vehicle software updates using virtual simulation.

Gaia-X Digital Clearing House for the Catena-X Automotive Industry Network.

Mainframe computers are essential to many industries but operating them poses challenges. Here's how to overcome them.

Enabling companies to take a quantum leap in Electronic Data Interchange landscape modernization.

T-Systems brings manufacturers and suppliers into the automotive data ecosystem.

Discover how to leverage digital technologies and modernize your business strategy. Access

our large pool of automotive digitalization experts and technology-driven business consultants to get ahead of the competition.

We cannot achieve tomorrow's climate targets using yesterday's technologies. Therefore, T-Systems supports companies in their digital, sustainable transformation combining growth and innovation. We drive your corporate sustainability with our consulting and strategy for the operation of innovative technologies.

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/enterprise-content-managemer

International standard for homologation and registration of vehicles and support for the automotive industry

TypeMaster is the market-leading enterprise content management system for vehicle homologation and registration. It supports national and international OEMs and OESs in their engineering, production, sales and after-sales business. With TypeMaster, this is done by processing vehicle data and creating approval documents in exchange with technical services and authorities.

A solution for increasing legal requirements in the automotive industry. Get all information in our white paper.

How can the processes in the Economic Commission for Europe (ECE) and Environmental Clearance (EC) type approval be digitalized and optimized? How can manufacturers efficiently set up a Software Update Management System (SUMS)? TypeMaster supports the automotive industry with all questions regarding type approval and the creation of your vehicle documents. Get all information in our videos.

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From document battle to automated process: This is how TypeMaster is changing homologation in the automotive industry.

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How and where exactly does TypeMaster support the homologation process?

You can display all external content on the website at this point.

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With TypeMaster you are well prepared for the future! TypeMaster generates your overall registrationl both in paper form and in the required, digital format of an XML file.

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Software Update Management System (SUMS) with TypeMaster: How does the new regulatory effect OEMs?

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TypeMaster PRINT: Where do vehicle-specific registration documents come from?

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TypeMaster DD: Store, distribute and manage registration documents.

You can display all external content on the website at this point.

I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

What exactly is homologation?

I am more than satisfied with TypeMaster. This product has revolutionized my work in the area of homologation.

Rainhold Labza, Manager Regulation, Vehicle Safety & Environment Department Hyundai Motor Europe Technical Center GmbH

Interested in digitalizing your homologation and registration process? Book your online workshop with our experts.

We build the missing bridges in your infrastructures and business processes through automated workflows.

For effective working with standards and technical documents.

Empowering your digital transformation with the power of Enterprise Content Management.

We will be happy to provide you with the right expert and answer your questions about TypeMaster.

URL: https://www.t-systems.com/de/en/data-intelligence/topics/data-driven-transformation

Discover the power of data to accelerate innovation, and bring agility into your business and

enterprise culture

Enterprises today know the art of combining data from multiple sources, but there is still a gap in terms of strategizing data collection, analyzing it and deriving insights to make faster decisions. Diseconomy of scales is experienced by the data space today. At T-Systems, we focus on modernizing enterprise data to replace the central data management by a decentralized, domain-oriented one and make it easier for everyone to work with data.

Do you have a data strategy? How do you create value from big and complex data for customers? Today's challenges bring a sense of urgency for data analytics to create value from data, for data foundation for smarter data management, and for data exchange to enable collaboration and transparency. There is a need to manage data according to the latest standards – focus on monetizing data through new ecosystems such as data spaces and through a decentralized, secure data exchange where data sovereignty is guaranteed. Take up new approaches such as data mesh and domain-driven designs to become a data-driven company. At T-Systems, we provide end-to-end offerings which are highly oriented to these market demands.

Data-driven initiatives offer many revenue and cost optimization opportunities. Clear strategic objectives, data correction, and T-Systems' proven step-by-step data thinking techniques help organizations become data-driven. This includes cultural, organizational, technological, and methodological changes that support company goals and offer quick wins. Utilize T-Systems' methodical approach to optimize enterprise processes and acquire important insights from data to maximize data applications.

With the ever-increasing volume and velocity of data, coupled with storage constraints and quality concerns, the call for modern data architectures has become imperative. At T-Systems, it's not just a technical remedy but an approach, addressing the critical "5S" factors.

By embracing these principles, organizations can derive valuable insights even from the modern data complexities with the help of T-Systems' expertise in big data management and data architecture.

For Chief Data Officers, managing regulatory compliance and staying prepared for any changes that could impact how organizations operate is a top priority. Here are the challenges:

This is where T-Systems can help organizations grip data governance challenges through effective data strategies and practices to best accommodate region-wise laws and regulations.

Learn how AI and analytics can enable companies to unlock the potential of data by building insights into actions.

Work with our experts to evaluate your data landscape and shape your data-driven future. We provide a holistic end-to-end offering which is highly oriented to market demands.

URL: https://www.t-systems.com/de/en/iot-and-edge/customer-success

Be inspired by the successful digitalization projects of our customers

Our IoT-based solutions are enhancing flexibility, productivity, efficiency and quality across industries. Discover how!

The 5G campus network enables the use of automated guided vehicles.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

T-Systems is developing the platform Adeje DTI Smart Tourist Destination and the Smart Adeje app.

T-Systems is charting a new path to digital transformation for Tarragona City Council (Spain).

With the FashionTAG as an electronic price tag for clothing, a department store chain has made a successful start with digital commerce.

RUD is using the Industrial Internet of Things to enhance transparency in conveyor systems.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/about-t-systems/corporate-governance

Our ethical policies

for ourselves, our actions, and our behavior. This applies as much to our board of directors as our around 37,500 employees across the globe.

We firmly believe that we, as a company, strengthen the trust of our shareholders, stakeholders, and business partners by adhering to and monitoring our ethical and moral principles (code of practice), legal standards, and compliance guidelines. To this end, T-Systems follows comprehensive principles contributing to good corporate governance. Transparency, accounting guidelines, compliance, and ethical standards are also included in this. These principles correspond with the relevant legal frameworks and fulfill the requirements of our parent company, Deutsche Telekom AG, and the public. For us, corporate governance means publishing transparent financial reports, controlling our subsidiaries effectively, implementing guidelines and rules in full, pursuing sustainable business development, adhering to ethical guidelines, and supporting integrity and engagement.

These principles of corporate governance allow us to:

At T-Systems, good corporate governance is based on the corporate governance rules defined by Deutsche Telekom; the code of conduct; the Group mission statement; the environmental goals of the different business units; and the balancing of finances, the environment, and social matters. In addition, we take on ethical responsibility, such as through sport and cultural sponsorship, corporate engagement, and educational support through the Deutsche Telekom Foundation.

For us, corporate governance doesn't stop with our company. We take care to ensure that our suppliers and partners also conform to all legal and ethical guidelines, as well as upholding the same high standards within their business that we do in ours.

T-Systems has internationally adopted behavioral guidelines and ethical standards for the

company and its employees through its own code of practice, the code of conduct, and the social charter. We expect that our suppliers, investors, and business partners follow similar codes of conduct and commit to upholding the social charter.

Our collective goal is to create value for people through innovative, reliable products and services. Our Group mission statement encourages excellent performance and integrity. Where necessary, we sanction poor behavior consequentially and decisively. In this way, we aim to succeed in the market and recognize our responsibility.

With our help, our customers have greater flexibility to concentrate on their core business. We support them with all of their services, including on the subject of corporate governance.

With a global infrastructure made up of data centers and networks, T-Systems handles the information and communication technology (ICT) for multinational corporations and public institutions.

T-Systems can help you to implement and maintain corporate governance rules and guidelines with ease. It's evident that IT governance is included in this. We understand that trust in your business partners is very important, especially when outsourcing ICT services. After all, corporate governance rules, such as the US Sarbanes-Oxley Act, require specific business processes and control procedures that the respective company must adhere to and provide evidence of, and this evidence chain also extends to ICT providers and their suppliers.

We document our compliance with Sarbanes-Oxley requirements in data centers that we select with an SAS70 Type II report (SAS = Statement on Auditing Standards). This covers the basic infrastructure of IT systems as standard. Our auditors create these annually after their audits, and we make them available to customers. We also carry out further controls individually, in addition to the report, that support compliance. Professional tradesmen and public authorities, for whom corporate governance guidelines have often previously been more like recommendations, can also benefit from this high level of quality.

Sustainability is also important in the IT sector. In the broader sense, the compliance with environmental goals likewise contributes to corporate governance. T-Systems supports you and your IT managers in pursuing your business goals for your company in a sustainable way. As it belongs to our own set of principles to develop environmentally-friendly and sustainable IT solutions (green IT), along with quantified analyses. Through intelligent data management and IT-based real-time communication, you can reduce economical and ecological costs. Despite all of our control mechanisms and auditing processes, we can't forget the human factor. Should an irregularity or instance of misconduct come to your attention in your business relationships, we ask you to provide evidence in our whistleblower portal. We also count this as part of good corporate governance, alongside IT governance, and as a requirement for a long-term and successful customer relationship.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

For us, it's all about also sticking to our high expectations in day-to-day working life, that is, both in terms of business relationships and services. If we don't achieve this for some reason, we expressly ask for evidence of this, whether this be from customers, employees, business partners, investors, or other stakeholders. Moreover, we have set up our own whistleblower portal, through which you can submit complaints on accounting, auditing, and any other

subjects. You can also do this anonymously if desired. We will follow up on all evidence provided.

Description of the specifications, as well as of achieving the target percentage of women on the supervisory board, executive board, and at both leadership levels beneath the executive board, by the end of the first implementation period

According to §36 and §52 par. 2 GmbhG

In line with the "Gesetz für die gleichberechtigte Teilhabe von Frauen und Männern an Führungspositionen in der Privatwirtschaft und im öffentlichen Dienst" (Law for the equal participation of women and men in management positions in private business and public service), it is mandatory to regularly specify target percentages for women on the supervisory board, executive board, and at both leadership levels beneath the executive board, as well as the deadlines for their implementation. The results of the achieved goals should be reported after the deadline of each respective implementation period.

The responsible bodies implementing this have to meet the legal requirements for the [business] specifications on target percentages and implementation periods. The first implementation period has already ended. The specifications and report on target achievement for the end of the first implementation period are accessible via Deutsche Telekom AG's website.

URL: https://www.t-systems.com/de/en/industries/automotive/solutions/over-the-air-update

Most of a car's functions are now controlled by software. Learn how over-the-air updates reduce costs and enable new business models.

Cars are traveling computers in which software controls key vehicle functions. With over 100 million lines of code, it is a challenge to keep the system up to date at all times and to implement new features. Regular security updates for firmware and software are absolutely essential. With over-the-air updates (OTA), vehicles no longer have to go into a garage for updates.

Automatic software updates over the internet have been standard for years for laptops, telephones, or TV devices. In the automotive industry though, they are still relatively rare. Vehicle owners are usually called into garages to implement updates. The objective, then, is to employ methods that use wireless interfaces like WLAN or mobile communications. 2012 saw the first over-the-air updates, which mostly concerned non-critical infotainment functions. Some OEMs now regularly carry out over-the-air updates. These are usually still updates of systems not critical to safety, such as navigation maps or sound system changes. Mobile software updates for safety systems or functions that are directly connected to driving are only now being slowly realized. In future it may be that, thanks to new features that the OEM implements using over-the-air updates, vehicles will no longer decline in value. A benefit for customers and suppliers.

Instead of having to return to the dealer every time an OEM identifies a problem or has to implement new features, OTA updates can be carried out virtually in the background without disturbing the vehicle's owner. This may also improve vehicle safety, as some customers ignore even critical recall campaigns.

According to the National Highway Traffic Safety Administration (NHTSA), at present in the U.S. only 62 percent of recalled cars are ever repaired – even after the owners have been notified

several times. Over-the-air updates could resolve these problems and save millions of dollars in maintenance work. In addition, improvements and changes to a vehicle can be carried out, from adjusting the transmission to optimizing performance and fuel efficiency.

Back in 2017, Hurricane Irma, which struck the west coast of the U.S., demonstrated how automotive manufacturers can use over-the-air updates. Anyone wanting to escape the approaching hurricane in a Tesla could only travel some 320 kilometers in certain Tesla models with a fully charged battery. For that reason, Tesla temporarily increased battery capacity using an OTA update. This service is normally only available for a surcharge.

The trends towards software-controlled vehicle architecture as well as chargeable on-demand features mean that short-notice, large-scale, or targeted software updates and fixes are becoming increasingly important. Electronic control units within vehicles, including the infotainment system, are affected by this.

Updates for electronic control units mainly close security holes, improve performance, and update the infotainment system. This enhances comfort and personalized use. This not only results in cost savings but also the chance to earn money, as car owners can buy new, chargeable features via the OTA interface in an app store or simply activate them. Just as Tesla does with battery capacity or autopilots.

For OTA updates, a car needs either a SIM card or a WLAN network. Once a connection exists, an OTA manager launches the update process. An electronic control unit that is fitted with a mobile communications interface takes over the role of mediating between the backend and the devices within the car that are to be updated. It receives all software packages via the air interface and distributes them via CAN bus systems. In addition, the electronic control unit (gateway TCU (Telematics Control Unit)) controls and coordinates the entire process as the master device.

The transfer of the data packages must be protected, as third parties could otherwise access important vehicle features. This means that safety and security are key aspects for success. Alongside encryption of the transmission channel, and the secure identification and authorization of vehicles and their electronic control units, the protection of updates through package encryption and integrity checks plays a crucial role.

Electronic control units often have two partitions. A firmware update, for instance, is installed on one partition. Following successful completion, a switch from the partition with the old firmware to that with the new one takes place.

The update itself must happen as quickly as possible. If it is interrupted because a vehicle is being used again, the program must be able to continue with the update at the point it left off. To ensure more rapid uploading, the size of data packages should be as small as possible.

However, it may be that for a complete program switch, large quantities of data arise. Compressing data packages reduces the data volume for transmission. Delta updates, which swap changed components, are also feasible. Alternatively, only the program codes that were actually changed are transferred.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Discover the digital superpower of your business

Are you wondering whether the needs of your customers will still be the same tomorrow? How current trends will impact your sector? Or how technological progress is changing value streams? Then you have come to the right place! With the services of the T-Systems Innovation LAB, you don't wait for trends to happen, you help to shape them!

Whether you have an innovative idea, an unsolved problem, or a raw product concept, we focus on your end customers first. That's why we begin all of our projects with problem analysis. What do your customers really need and will this change in future? What are the current market trends and where is there new potential? What are the existing use cases?

As soon as we are familiar with the problem, we will develop a tailored solution together with you. This could also mean radically rethinking your product portfolio, your mix of technologies, or your innovation strategy. And the best part? You can implement innovations with minimal risk; we validate the potential of digital innovations directly using real prototypes.

As a start-up within T-Systems, we bring the mindset, skills, and resources needed to guide you securely through this innovation process. And where does this journey lead? Our team of tech experts brings to life what we call "digital superpowers." For example, when innovation consultation, cloud expertise, IoT experience, and modern software development are combined, the result is something truly exceptional.

Our IoT projects are diverse and layered. In addition to traditional IoT use cases, we have a great passion for special IoT challenges of all sizes. The more complex the challenge, the greater the benefits of using our rapid prototyping approach: we make your IoT solution tangible by using real hardware in our labs right from the start. In this way, our experts help to validate your ideas and unleash your digital superpower with the right mix of technologies.

We approach problems with cloud-native thinking that combats vendor lock-in. In this way, we help you to leverage the full scaling potential of your cloud solutions. The hybrid cloud is a real superpower for new business models – it doesn't simply facilitate automation, redesign, and refactoring, it is also secure by design.

For all multi-cloud opportunities, the Innovation LAB Team is on hand to offer advisory services and help find the right solution for your individual needs.

What makes for a successful innovation consultation? From our perspective, there is no universal solution here, as the level of complexity varies considerably for each individual use case. Our core expertise is in reducing the complexity of your idea and transforming it into a concrete vision. Thanks to our rapid prototyping approach, your idea will literally become tangible within the shortest possible time. Incremental improvements will then be made together with you and your customers. Like a navigation system, we lead you through the entire process with an end-to-end approach.

As digital natives, we love new technologies. That's why we have a complete team of top software developers who can bring your idea to life! At T-Systems, software development isn't limited to standard offerings – specialized solutions are our thing. What's the key to our success here? When a start-up mentality is combined with the diverse assets of our Magenta group, the

resulting creativity knows no bounds.

When conventional algorithms reach their limits, our data science experts are on hand to help you leverage the true potential of your company. Thanks to machine learning (ML) we can look at the world through different eyes: connections and patterns become visible and insights are gained on entirely new levels. One key strength of our Innovation LAB is that we apply machine learning across various technologies – in connection with IoT and cloud computing, for example. In this way, we help you to get the best from your data and your business.

Connectivity is without a doubt the core of our digital world. No innovative technologies would be able to leverage their true potential without it. Connectivity of the highest quality is a fully integrated part of Deutsche Telekom and forms the foundation for all our projects. This allows us not only to provide first-rate services, but also ensures that the entire ecosystem encompassing these services is perfectly networked.

Digital innovations that enjoy long-term success are inconceivable without appropriate data security and data protection standards. For us, customer orientation means that customers can place their full trust in our solutions. Consequently, we ensure that for each topic and at each level of maturity of our projects, all data are protected.

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With our in-car gaming prototype, we are taking a further step toward software-based cars. This means video games no longer need to be installed in the vehicle, but can be streamed directly from the cloud thanks to connectivity. In our demo, Tim Laine and Benjamin Burkhardt from the Innovation LAB demonstrate how in-car gaming can look in practice. Waiting at the charging point has never been so much fun!

In our showroom near Stuttgart, Germany, you can expect solutions, prototypes and technology studies from T-Systems' Automotive portfolio with a focus on Connected Mobility and Manufacturing Industries. Experience the potential of new technologies such as Digital Twin, Industrial IoT, Edge Computing, AI / Machine Learning, XR / Metaverse, Computer Vision and 5G. The Innovation LAB Showroom inspires – and is fun! In addition to informative tours along our showcases, we also offer playful elements and emotional moments – including recording or streaming with our professional video equipment if desired.

Do you have an idea? Are you facing a complex challenge? Perhaps you are looking for help navigating the digital labyrinth of opportunities? Get in touch!

URL: https://www.t-systems.com/cn/en

Industrial Internet of Things (IIoT) helps factories and industries to better connect their processes, allowing for greater productivity to compete ahead.

The cloud offers cost-effective ways to modernise manufacturing processes.

Double down on your company's cloud security measures with our tailored strategy that suits your company's needs.

How companies protect their clouds with suitable security measures and use the full potential of cloud services.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

T-Systems leverages its global footprint in fixed networks and mobile communications, its highly secure data centers, its global presence around standardized data centers, its global presence in the cloud, as well as new business models and innovative projects in the area of the Internet of Things.

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As a top IT services provider and digitalization enabler, we are the backbone for the world's leading companies. Our clients span across regions and industries. How can we help you successfully digitalize your business?

Company news, event forecast can be found here, follow us and learn more about us!

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

We are delighted to share our innovative ideas and projects in our newsletter. Will you join us?

URL: https://www.t-systems.com/de/en/about-t-systems/t-systems-certificates

Certified processes and services make it easier to navigate our wide range of products and services

T-Systems operates data networks and processes data on behalf of its customers worldwide in its own data centers, giving absolute top priority to data protection and data security. The ICT provider therefore has its services audited regularly by independent institutes. Furthermore, the provider has its compliance with global standards accredited, for instance, through respective certifications.

Sustainable corporate management is the basis for the wide range of certificates awarded. T-Systems subsidiaries thus currently meet standards ranging from quality management, information security management, and service management requirements to environmental management, occupational safety, and health care.

T-Systems achieves excellent scores in surveys, for example, on customer satisfaction. In the current TRI*M study by TSN Infratest, the Deutsche Telekom subsidiary is once again among the top 10 percent of European ICT service providers.

All activities relating to ISO management system certifications and regular reviews in

accordance with international standards are managed by the DTAG Group's global Certification Management Team. T-Systems is an integral part here, which ensures that customers worldwide are aware about the high standards and can enter into a trustworthy working relationship.

As an internationally established standard, ISO 9001 outlines the minimum requirements for a quality management system that an organization must fulfill in order to provide products and services that meet both customer expectations and legal requirements.

As an international standard, ISO/IEC 27001 defines requirements for the rollout, implementation, monitoring, and optimization of information security management systems (ISMS).

This ISO/IEC 27701 standard specifies requirements and provides guidance for establishing, implementing, maintaining and continually improving a privacy information management system in the form of an extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management.

The internationally valid ISO standard 22301 provides the framework for holistic business continuity management in the company in order to minimize potential damage in the event of a disruption.

ISO/IEC 20000-1 specifies requirements for service providers for the enhanced planning, rollout, implementation, operation, monitoring, review, maintenance, and improvement of their SMS.

This certification is proof of a cost-effective and efficient environmental management system. ISO 14001 identifies weaknesses in the environmental management system, thus laying the foundation for a continuous improvement process.

The emphasis of the ISO 45001 standard is on the protection of people, their occupational safety, and health care. Preventive measures must be implemented to avoid accidents and illnesses.

ISO/IEC 27017 provides guidance on the information security aspects of cloud computing. The standard gives guidelines for information security controls applicable to the provision and use of cloud services by providing:

This standard provides controls and implementation guidance for both cloud service providers and cloud service customers to help make cloud services as safe and secure as the rest of the data included in a certified information management system.

ISO/IEC 27018 establishes commonly accepted control objectives, controls, and guidelines for implementing measures to protect Personally Identifiable Information (PII) in accordance with the privacy principles in ISO/IEC 29100 for the public cloud computing environment.

In particular, ISO/IEC 27018 specifies guidelines based on ISO/IEC 27002, taking into consideration the regulatory requirements for the protection of PII which might be applicable within the context of the information security risk environment(s) of a provider of public cloud services. The standard provides guidance aimed at ensuring that cloud service providers offer suitable information security controls to protect the privacy of their customers' clients by securing PII (Personally Identifiable Information) entrusted to them.

With the TCDP 1.0 certificate, T-Systems is the first IT Service Provider to recieve a legally compliant data protection certification for defined cloud services. A certificate based on the Trusted Cloud Data Protection Profile (TCDP) makes it much easier for companies to fulfill the control obligations for commissioned data processing. The TCDP formulates objective criteria that can be used to compare the security level of different cloud services. These criteria are grouped into clear protection classes. By selecting a service with the TCDP certificate, the control obligations are fulfilled according to the German Federal Data Protection Act. TCDP is based on ISO 27001 and ISO 27018.

Advantages for our customers:

See the official listing at TCDP (German)

The IDW PS 980 defines the basic elements of a compliance management system and other terms in a very structured form. The standard provides compliance officers in companies with a guideline and the basis for compliance with laws, regulations, and self-commitments within the framework of a compliance management system and provides companies with possibilities to demonstrate their own compliance and also to place specific requirements on their business partners.

An audit according to this standard allows an independent statement of the company's own CMS in comparison to a general standard.

To the audit report on the effectiveness of the compliance management system according to IDW PS 980 for the anti-corruption unit of T-Systems International GmbH.

Certified companies: Deutsche Telekom AG, Telekom Deutschland GmbH, T-Systems International, Detecon, Telekom Shop Gesellschaft, Vivento Customer Services, Deutsche Telekom Kundenservice, Deutsche Telekom Technischer Service, Deutsche Telekom Technik, Deutsche Telekom Regional Services and Solutions.

The security and performance of individual solutions and products offered by the trust center are assured through regular certifications. The team works in accordance with the requirements of the European Telecommunications Standards Institute (ETSI). TÜV Informationstechnik GmbH has successfully audited the Deutsche Telekom Security CA's: Server.ID and Business.ID.

Deutsche Telekom complies with EU requirements for electronic identification, authentication, and trust service (eIDAS). Pursuant to article 21(2) in conjunction with article 3(16a) of Regulation (EEC) No. 910/2014 (eIDAS Regulation) it was awarded the status of qualified trust service provider for the creation of qualified certificates for:

[1] Under the umbrella certificate of Deutsche Telekom AG

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/healthcare/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how companies and organizations from the healthcare sector use our solutions to increase the flexibility, productivity, efficiency and quality of their operations.

Thorsten Schütz and Sabine Fock from Klinikum Itzehoe share their experiences with the iMedOne hospital information system of Deutsche Telekom.

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

TrialComplete supports the work of the DZHK.

Heinsberg Hospital introduces online appointment bookings.

The company, apoplex medical technologies, offers diagnostic software from the Telekom Healthcare Cloud.

Hannover Medical School trusts TrialComplete for its clinical studies.

T-Systems is implementing a powerful vaccination management system for DRK Saxony in a very short time frame.

Ostseeklinik Schönborn-Holm optimizes patient service with the introduction of REHA.Complete.

The German Heart Center Berlin (DHZB) – How TrialComplete simply and securely creates the data exchange.

Indonesian hospital group Mitra Keluarga migrating its IT to AWS with help from T-Systems.

Fuse-AI facilitates medical diagnoses using artificial intelligence from the Open Telekom Cloud.

The challenge in the KAGes system conversion? To keep the downtime as low as possible; a hospital lacking access to patient information, plans, and management over an extended period of time would have dramatic consequences.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/industries/automotive/solutions/in-car-software

Discover what is important in vehicle software for driver assistance, infotainment, connectivity as well as convenience and how your company can best benefit from the shift towards a software-driven industry

The car is increasingly evolving into a rolling computer on wheels. For a long time now, most innovations in the automotive sector have been centered around electronics and software.

Developments such as mobility services, autonomous driving or automated driving, as well as connectivity, infotainment and e-mobility all contribute to this. With the number of software-led functions in the car, the IT architecture in the car is also changing, moving towards central, virtual high performance computers.

Volkswagen was the first OEM that appointed a software board in the management team. At the same time, the group bundled its software development department into an independent business unit. This is a significant indicator of the direction automotive development is going in. The functions in cars are becoming increasingly interconnected, with more and more sensors and electronics. The proportion of software in cars is growing significantly. According to the group CEO of Continental, the sales price of the software in a premium car in 2023 will be around 40 percent. This also shows how the professional fields are developing. At the OEMs, the proportion of engineers in the IT and software departments has doubled. The various innovation cycles of cars and electronic applications also have consequences for the development of electronics.

Over 100 control units, up to eight kilometers of wiring: cars have become rolling networks. According to a study from the Wiesbaden consultancy firm, Invensity, 90 percent of automotive innovations today are in the areas of electronics and software. However, the increase in software components in cars is posing a challenge for the existing software architecture. Car manufacturers are therefore looking for new ways to manage software efficiently, develop new functions more quickly, to guarantee scalability and reduce costs with more efficient development processes.

Electronics and software are the basis for new functions in the car. The variety of functions and proportion of car software in car electronics is growing. This increases the complexity of the system and software architectures in the car. The number of customer-specific trim levels makes the systems even more complex. Modern cars have over 100 control devices, in which computer programs control specific in-car functions. As the number and complexity of software functions will continue to rise, current standard software architectures are reaching limits. The proportionate cost of electronic components compared with the rest of the components will potentially grow from the current 16 percent to around 35 percent by 2025, according to a study by Roland Berger. For a half-autonomous driving, electric vehicle, these components equate to costs of around 7,000 dollars per car.

Details from the PAC study "Fast-track to software-defined vehicles" and the expert discussion are now available as a webinar recording.

The introduction of the software-controlled car will lead to significant changes across the entire value chain.

Falk Meissner, Partner at Roland Berger and co-author of the study Computer on Wheels / Disruption in Automotive Electronics and Semiconductors

The increase in electronics and software in cars poses great challenges for electric and electronic (E/E) architecture. At the very latest, automated and autonomous driving will surpass the limits of existing E/E architectures. It will be confronted with huge streams of data and will grow significantly in volume – for example, installation space, weight, number of control units, bandwidth. Until now, electronic architectures in cars were made up of decentralized control units (ECU: Electronic Control Units) that controlled individual functions, and which contained tightly integrated hardware and software. Today, the trend is moving towards centralized

systems with dedicated controls that are becoming increasingly virtualized. These central control devices will then carry out multiple functions in different areas of the vehicle. Along with this, hardware and software will be increasingly disconnected from one another. Instead of trying to cover 120 separate electronic control units (ECUs), they will be less widely distributed and more centralized.

Over the next few years, the architectures will be arranged into certain domains, made up of multiple different, combined data groups. In the long term, they will be further centralized into zonal clusters of high performance computers. And ultimately, specific functions will be incorporated to ensure consistent connectivity in the cloud. In future architectures, the control units will be consolidated into just a few high performance computers (HPC). IT system architectures are coming to cars. With these architectures, hardware is being increasingly separated from software. To limit the number of additional control units, virtual control units will run on the high performance computers. Through this central architecture, many calculation steps travel directly to the sensors and actuators, thus creating intelligent sensors and actuators.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/manufacturing/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how companies from the manufacturing industry use our solutions to increase the flexibility, productivity, efficiency and quality of their operations.

Discover how T-Systems helped metal supplier MCB with their cloud migration.

The 5G campus network enables the use of automated guided vehicles.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Vitesco Technologies migrates Windchill PLM system to AWS.

T-Systems is developing a state-of-the-art AWS Landing Zone for a chemical group as part of an agile project.

The integration of various areas such as information security, risk management and data protection makes it possible to take advantage of synergies.

The Dürr Group now benefits from optimized manufacturing processes – Universal Data Converter makes it possible.

T-Systems and Stahl join forces to realize a successful SAP migration.

ECKART relies on Salesforce for an integrated market presence and sales success.

For an internationally operating consumer goods enterprise, T-Systems developed a solution based on public cloud services.

Xelera makes enterprise applications up to 100 times faster and uses FPGA flavors from the

Open Telekom Cloud.

RUD is using the Industrial Internet of Things to enhance transparency in conveyor systems.

All business-critical SAP core applications from Clariant run on infrastructures operated by T-Systems.

How the foundry moved its SAP services to Amazon Web Services with minimal downtime.

How the machine manufacturer is achieving efficiency gains through automation.

How SAP S/4HANA at Grupo Schettino ensures greater efficiency and transparency in business processes.

Once Celulose Irani S.A. took the decision to tackle the digital transformation, it quickly became clear that the ideal basis for this was offered by SAP® S/4HANA.

Schwan Cosmetics works with virtual reality glasses.

Siemens relies on T-Systems for its digital transformation: A modern SD-WAN increases the available bandwidth, and expands and simplifies the management options of the network – while decreasing costs.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/akamai-cloud-services/akamai-

How you can protect your entire ecosystem with T-Systems and Akamai

Cyberattacks are a real threat to company security. They frequently cause extensive damage and threaten the existence of small and large companies around the world. To ensure that it doesn't get to that point, you should consistently put a stop to any and all cybercriminal activity.

For some while now, cybercriminals have been breaking into company networks for more than just stealing data and business ideas. They extort ransoms, plunder accounts, bring production facilities to their knees – and use the widest range of attack points and tools to do this. It's therefore all the more important to keep all potential weak points in mind – and protect them accordingly. T-Systems and Akamai are offering a comprehensive security package for this: it contains solutions based on industry-leading core technologies and wide-ranging consulting services.

How can you ensure robust security in the cloud? Check out our deep-dive videos that explain how you can reliably defend yourself against malware, phishing, spam, ransomware, botnets and DoS and DDoS attacks and what is needed to protect yourself against cyber-attacks in a timely fashion.

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Phishing emails, fake websites or careless users: hackers are constantly finding loopholes to infiltrate malware into companies. This can lead to data theft, blackmail and damage to the company's image. Our video shows how you can best protect yourself from cyberattacks.

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Defending against insider attacksMany companies have security solutions in place to protect themselves from external hacker attacks. But what do you do when the attack comes from within your own system?Such perpetrators possess company-specific information, know the security weaknesses, and can therefore remain undetected for a long time. From sabotage to data theft, many scenarios are conceivable. Find out how hackers attack, how you can detect them and why T-Systems and Akamai may be your first line of defense, in the following video.

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Closing loopholesThere were over 623 million ransomware attacks in 2021 alone - more than twice as many as the year before. One major reason for this explosive increase: Ransomware is now available on the darknet for download from the cloud.Expert knowledge is thus no longer necessary to cause grave damage to companies. Find out which vulnerabilities and loopholes hackers can exploit, in the below video, along with how T-Systems and Akamai can provide essential protection.

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Securing API interfaces properlyIT security vulnerabilities are like a game of cat and mouse; once one threat has been averted, the next one is already lurking. Web applications are often the target of hackers. According to studies, the number of attacks in this area tripled between 2020-2021. API interfaces, for instance, can easily become a gateway, as their protection is often neglected in favor of a fast time to market. Learn how T-Systems and Akamai can help you eliminate attack vectors, and secure your apps and APIs, in the video.

Don't wait until your company becomes the victim of a cyberattack. Protect it using the comprehensive security package from T-Systems and Akamai. Our experts answer your questions and find the perfect protection together with you.

URL: https://www.t-systems.com/de/en/events/webinar-ai-analytics-and-iot-591100

Experts from Intel, IDC, and T-Systems will teach you how to use AI, analytics, and IoT to your advantage

The internet of things continues to be one of the technology trends par excellence. Under the

buzzword "smartification", more and more everyday objects, machines, and digital devices are becoming just that: smart. This is all thanks to ongoing networking and sensor technology. Whether in the stores of large production halls, in modern parking guidance systems, or at home in the living room – IoT has long since begun its triumphal march. But it is only with artificial intelligence that the full potential of the IoT can be leveraged.

AI makes it possible to analyze IoT data based on past decisions, thereby predicting future events, and improving the performance of devices in the long term. "AIoT", or the internet of things enriched with AI algorithms, applies to a wide range of industries and business scenarios. The financial sector, industry, transportation, retail, and the health industry are already benefitting from its real-time decisions. But how can these industries optimize and scale their AIoT landscape? Our experts will provide you with the answer in the recording of the webinar "How AI and analytics are revolutionizing IoT developments".

* Field required

URL: https://www.t-systems.com/de/en/careers/why-t-systems/benefits-you-get-with-us

We are all special and have individual focuses. They can change depending on the phase of life. Our employer benefits accompany you in every phase of your life.

At T-Systems, we work continuously to offer our employees an outstanding benefits package. Everyone is individual and so the demands placed on the employer are also different. Our benefits* have been carefully developed, offering a variety that allows you to shape your career and life according to your needs. Our goal is to enable you to have everything you need, to become everything you want to be and perform at your best.

We know that it is a challenge to bring a demanding job together with a fulfilling private life. We help you to balance and manage this, in order to take care of your beloved and recharge.

They say money can't buy you happiness, but we know it does buy you peace of mind, which is why we support you with an attractive salary and a host of additional benefits.

Efficient, agile employees are the prerequisite for our economic success. For this reason, our workplace health promotion focuses on identifying and reducing the risk of illness at an early stage.

Life-long learning is essential for us. We offer a wide array of further education and training options, ranging from seminars to on-the-job degrees to optimize performance and realize your potential in every stage of your career.

* Please note that while our philosophy is the same across the board, services may vary by company, division and employment status. Please direct specific questions to your recruiting contact for the respective job advertisement.

Find your dream job with T-Systems now!

URL: https://www.t-systems.com/de/en/partners/cisco

Whatever connectivity challenges you face - from legacy and data centers to multi-cloud – our specialists help you realize your ambitions faster. T-Systems and Cisco add value to your business with a customizable portfolio of solutions and services underpinned by security. By

increasing operational efficiencies and transforming your customers' experiences, we ensure that your traffic steers your network, not the other way round.

We connect and power your business and customers through:

T-Systems credentials include:

Broadest solutions designed for your success:

Wondering how on-premises and cloud infrastructure are going to be managed in the future? In this white paper, we not only explain how we manage them, but also how to get maximum benefit from the cloud and the heterogeneous IT infrastructure.

For the seamless deployment of network connectivity between private, public cloud, and legacy platforms, enjoy portal access to pre-defined and customizable connectivity templates. Customers stay in complete control of connection type, size, and duration, while T-Systems manages quality and reliability.

Together we build the bridge for our customers – for over 20 years.

Multi-disciplined teams at T-Systems and Cisco are ready to discuss your connectivity challenges and goals. Allow us to take care of your digitalization needs so you can focus on the growth of your core business.

URL: https://www.t-systems.com/de/en/application-value-management/solutions/managed-container-stack

Increase your agility with Managed Cloud Container Services on AWS based on Kubernetes

Containers are a major component for the successful implementation of a cloud-native strategy but many IT teams struggle to deploy container management due to lack of skills and expertise – and they fear additional management efforts; not to mention additional long-term costs for licenses. Furthermore, containers present special challenges with regard to security. Do you have the appropriate skills to operate them securely?

With T-Systems' Managed Cloud Container Services (MCCS) on AWS, you can rely on a bundle of services that unleashes the power of containers for your enterprise. Our MCCS bundle comprises: Managed Elastic Kubernetes Services (EKS), Red Hat OpenShift (ROSA) and – for those who already jumped on the container/Kubernetes bandwagon – a well-architected review for Amazon EKS. These services allow for a cost-efficient usage of containers and give enterprise access to certified container expertise in AWS. Furthermore, the MCCS are deeply integrated with AWS services.

Kubernetes is the benchmark for container orchestration. With MCCS, enterprises can use Kubernetes as part of AWS ROSA. Alternatively, AWS cloud offers a platform-native variant with its Amazon EKS. Both services are provided quickly, on demand, and with complete scalability. There is no need to purchase licenses. Additionally, Managed EKS comes with additional AWS services to automate and ensure efficient and secure container usage: Key Management Service, IAM (Identity and Access Management), Cloud Watch, Open Search, and Prometheus.

Amazon ECS is a powerful tool that can streamline your deployment, management, and scaling of containerized applications. As a fully managed container orchestration service, it simplifies

the process of running applications in containers by handling the underlying infrastructure for you. With the help of T-Systems container experts, you can leverage Amazon ECS to modernize your applications and implement a microservice-based architecture that is scalable, highly available, and ready for the future. By combining Amazon ECS with other relevant AWS services, you can build a robust and efficient application that meets the needs of your business. In addition, AWS Proton amplify platform engineering impact by implementing scalable self-service capabilities for developers and accelerate adoption of DevOps best practices within your team.

You are using containers and Kubernetes in the AWS cloud, but not sure whether you deployed up-to- date best practices and security for Amazon EKS? Revisit your container deployment and consult with an AWS Premier Partner. Our certified experts will conduct a well-architected review for EKS and evaluate your container workloads in a structured way to find potential for optimization.

You want to check your Kubernetes workloads? With MCCS, we support you along your container journey.

We are happy to have chosen the managed EKS offer from T-Systems. It enables us to focus on application development, while being sure that everything runs on a secure infrastructure. The onboarding went smoothly, and the T-Systems colleagues took care of meeting all our specific requirements in a very short timeframe.

Kai Kreuzer, Product Owner, Deutsche Telekom

Unburden your IT teams from container management by relying on T-Systems' expertise for Kubernetes with AWS.

An analysis based on five pillars shows the status of your container/Kubernetes architecture.

Find the best way to exploit containers and Kubernetes on AWS infrastructures for your business - cost-efficient, secure, and future-proof. Our experts and managed services can help.

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/collaboration-services/cloud-pr

Encrypt sensitive data on SaaS applications and hyperscaler networks to remain compliant with European standards

Are you looking to enjoy the benefits of a more flexible and scalable IT ecosystem but concerned about the cancellation of the Privacy Shield?

Protect your IT investment and your sensitive data to European standards through T-Systems' Cloud Privacy Service. This standardized, managed services solution encrypts all sensitive data within our own German datacenters before it is seen by US SaaS applications. This ensures compliance throughout Europe.

Every single day, many major organizations trust T-Systems to handle their sensitive day in the most secure way. Our Cloud Privacy Service combines secure cloud management with deep knowledge of European regulations, privacy, and security requirements. With encryption delivered as a managed service, complete with key management and backup, you benefit from compliance and peace of mind that your data is in safe hands.

Cloud Privacy Service

Initial one-off set-up fee

Plus, relevant user price per month recurring fee (see more details) 1

per user/month (250 to 2,499 users)

per user/month (up to 4,999 users)

per user/month (up to 9,999 users)

per user/month (up to 49,999 users)

per user/month (> 50,000 users)

Trial starter pack

One-time fee 1

Not ready to sign up yet? Why not try our non-productive trial starter package4 week trial including setup, rampdown; M365 trial tenant (non-productive) for testing and use cases. All information will be deleted at the end of the four-week trial.

This offer is only valid for business customers of T-Systems International GmbH. All prices are net prices quoted exclusive of VAT at the applicable rate.

All offers and information about our T-Systems Cloud Privacy Service in one document

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/enterprise-content-managemer

Into the digital future with our Enterprise Content Management experts

Knowledge – in documents, data, or e-mails – forms the core of every company, whether in Development, Production, HR, Finance, or Controlling. Both the quantity of and requirements for handling content are increasing significantly. A well thought-out information management system is required to make this knowledge available efficiently, in line with requirements and in a simple manner. This is exactly where Enterprise Content Management comes in.

Then you are in exactly the right place.

MasterFamily combines digital solutions for companies – TypeMaster simplifies homologation, ImageMaster transparently manages documents, and NormMaster supports you in managing standards.

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The MasterFamily combines #digitalsolutions for the #automotive sector, which facilitate your daily work in homologation, document, and standards management. Click through the interactive video and find out which advantages you can expect with the #MasterFamily and whether you would make the right decision as a company.

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This video gives an initial insight into where ImageMaster is used and also how versatile it is.

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Searching for and exporting client-related GDPR data, and legally adhering to rules when deleting GDPR data. How can this be easily mastered? – T-Systems has the answer with ImageMaster.

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Digital long-term preservation is essential for most of the companies in many areas – as well for the management of 3D-CAD-objects. How to cope easily with this? – ImageMaster of T-Systems is the right solution.

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Safeguarding of access to E-Mails of employees retiring the company is generally not in focus – an often underestimated risks! How to cope easily with this? – ImageMaster of T-Systems is the right solution.

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Keep an eye on all of your relevant standards with NormMaster. This is how standardization management works with T-Systems!

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With NormMaster, the software solution from T-Systems, you have direct access to the standards you need and all additional information.

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With NormMaster's workflow module, authors can easily publish documents themselves via self-definable workflows and also benefit from many other advantages such as automatic information about changed citations.

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What exactly is homologation? – T-Systems explains

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Turning the struggle with vast amounts of documentation into an automated process: this is how TypeMaster changes homologation.

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How and where exactly TypeMaster supports the homologation process is explained in this video.

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TypeMaster PRINT

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TypeMaster SUMS (Software Update Management System)

Whether national or international – as an Enterprise Content Management unit we digitalize the

information management of medium-sized companies, corporations, administrations, and organizations. Not only do we introduce new technologies, we also master the digital transformation with them.

Our ECM experts provide advice, integrate solutions into existing IT landscapes, customize them if required, accompany projects from the initial idea to going live, and manage solutions as a complete service – on premises or in the cloud.

Increase work efficiency with direct access to relevant documents and information

Reduce costs through lower processing and administration costs

Optimize work quality through automation, transparency, and compliance with industry and company standards

Create employee satisfaction by simplifying the exchange of information and documents and reducing routine activities

We would be happy to provide you with the right expert and answer your questions on Enterprise Content Management. Get in touch!

URL: https://www.t-systems.com/de/en/analyst-ratings/cloud-services/isg-provider-lens-2023-google-cloud

T-Systems is recognized as a leader in ISG Provider Lens™ for Google Cloud Partner Ecosystem 2023 in Europe

In the report, ISG has positioned T-Systems as a leader in managed services and a rising star for implementation and integration services at the Europe level.

As per ISG analyst Mark Purdy, "With its Sovereign Cloud offering, consulting experience, and extensive client experience, T-Systems is emerging as a leader in managed services for GCP in Europe. The introduction of T-Systems' Sovereign Cloud powered by Google Cloud to address data sovereignty issues, combined with its extensive track record with major enterprises in Europe, makes T-Systems a rising star in implementation and integration services for GCP in Europe."

T-Systems provides a wide range of consulting services for Google Cloud. With its managed cloud services, the provider addresses Google Cloud starters and landing zone design, as well as the development of horizontal and vertical solutions and use cases. ISG sees good momentum for T-Systems, especially client traction. Furthermore, T-Systems offers high platform flexibility.

ISG has highlighted T-Systems' sovereign controls offering which incorporates a host of infrastructure and data controls to help clients meet infrastructure and data sovereignty requirements on GCP. T-Systems recognizes the importance of digital sovereignty regulations at the EU and national levels, and has created a sovereign cloud offering, namely T-Systems Sovereign Cloud powered by Google Cloud.

In this report, ISG explains T-Systems' key strengths and differentiators that make it a leader in Google Cloud ecosystem. The report also provides a comparison of the standings of various IT service providers in Germany.

* Field required

Kick start your journey of business transformation with T-Systems' Google Cloud services and do so in a sustainable way! You can also check how other clients have benefited by partnering with us.

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions/sap-on-aws

How companies with managed cloud services for SAP® on AWS secure their operational business and reduce operating expenses

SAP® solutions such as the SAP HANA® database or the SAP S/4HANA® ERP system form the backbone of important business processes for more than 440,000 customers[1] worldwide. However, this is often a curse and a blessing at the same time, because a failure would be fatal, and a loss of sales the direct consequence. If SAP® operations come to a standstill, due to a cyberattack for example, then this often means everything else stops working. As a result of this, countless companies worldwide are directly dependent on the trouble-free operation of their SAP® systems.

[1] Source: SAP®

You do not need to put up with disruptions when operating your SAP® systems: T-Systems migrates SAP® instances to the secure and redundant public cloud from AWS – this protects against outages and ensures greater agility. Especially in times of rapid change, companies need resources that can be scaled flexibly to accelerate innovation. And a solid cost plan: thanks to the pay-per-use model, you only pay for the service you actually utilize.

Our AWS and SAP® experts ensure smooth operation of your SAP® landscape, keep it up to date, and offer 24/7 support. We work with you to develop and implement high-availability and disaster recovery concepts – worldwide if required: thanks to our expertise as an international service provider and the approximately 70 availability zones in 22 regions of AWS.

Thinking of migrating to SAP S/4HANA? Get detailed insights on the strategies, deployment options and how hyperscalers like AWS can be a great fit. Our latest SAPInsider benchmark report covers it all.

Merely having resources available in the public cloud does not ensure stable operations or agility. Intelligent management, the right strategy, and comprehensive expert knowledge are essential. This is where managed cloud services for SAP® on AWS from T-Systems come into play.

To allow you to quickly take advantage of all of the benefits of AWS, we migrate your SAP® applications to the public cloud in the shortest possible time. Our experts determine the best path into the AWS world for you, and automation tools ensure a smooth "lift and shift" of the systems. Our employees will advise you on any questions regarding your migration to the cloud. Regardless of whether you want to migrate some or all of your SAP® landscape, or if you want to migrate to SAP® for the first time: we can manage the operation of both cloud-only and hybrid infrastructures according to your individual requirements.

SAP transformation is constantly increasing in importance. The white paper provides insights into managing costs during SAP S/4HANA and AWS cloud migration.

Why choose AWS? More than 5,000 SAP® customers worldwide already successfully rely on this public cloud. The two providers have enjoyed a close partnership since 2011. No other hyperscaler has such a long history or experience with SAP® solutions. The result: modules tailored to the requirements of SAP® users, which include traditional cloud capacities for computing and storage as well as components for the Internet of Things (IoT) or machine learning.

And why choose T-Systems? Because with over ten years of experience as a managed services provider for solutions on dynamic platforms, and by working with world-class technology partners like AWS, we offer real benefits to our customers.

As the world's largest SAP® hosting provider with a HANA database volume of over 800 TB, we have over 4,000 SAP® experts worldwide and operate the most comprehensive SAP® system with 850,000 SAP® users. Well over 1,000 successful SAP® projects annually and over 15 years of experience in operating SAP® systems on multi-cloud platforms enable us to provide competent advice and to take over the integration and operation of SAP® environments. We have proven our capabilities with certifications from SAP®, of which we currently hold seven. As a result of this, we are the only provider in the world with such a broad spectrum of services.

Would you like to know more about the design, migration, and operation of your SAP® landscape in the AWS public cloud? Our experts will be happy to answer any questions regarding your project. Contact us, we are here to help.

URL: https://www.t-systems.com/de/en/industries/automotive/topics/software-defined-vehicle

Expertise in the in-car services: a decisive factor in future competition. Are you ready?

The automotive industry is experiencing a paradigm shift where software is taking the lead. Our mission is to empower OEMs to unlock the complete potential of software-defined vehicles. It is determined by three critical aspects: distinguishing through software, enhancing functional safety, and navigating the intricate yet indispensable software development, deployment, and upgrade processes.

Software-defined vehicles (SDVs) are revolutionizing the mobility landscape. In the future, it will be software that would shape the mobility experience. Automakers are enhancing their vehicles with services, such as ADAS, creating new opportunities for drivers and passengers alike. Efficient management of vehicles and services in the era of connected mobility requires robust platforms and systems, often powered by technologies like cloud. This transformation positions software-defined cars as integral IoT endpoints.

An analysis by PAC shows how OEMs can overcome the obstacles on the road to the software-defined vehicle.

We craft top-tier embedded software, delivering millions of global over-the-air updates. Our expertise shines in security, connectivity, and open source solutions, making us your perfect partner for unlocking innovation across software, platforms, and infrastructure.

Delivering connected car services within vehicles is a multifaceted endeavor that demands a holistic approach. Only those automakers are poised to succeed in future, who are equipped with the necessary capabilities of software development that can adhere to stringent quality standards (such as Aspice, ISO 26262, AUTOSAR) for in-car services. It also involves ensuring reliable, scalable, and secure backend provisioning, coupled with essential connectivity to facilitate over-the-air software updates for software-defined vehicles.

Bring your vision to reality with our profound expertise and cutting-edge digital solutions tailored for every facet of the software-defined vehicle. Accelerate your journey to market readiness by harnessing our capabilities to streamline your software-defined journey. Whether it's in-car services or service delivery, we uphold the highest standards that will set you apart in the fierce competition among OEMs, ensuring an exceptional driver and passenger experience.

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Join us in Automobilwoche's cockpit talk, where we delve into the "Digital Loop Showcase" featured at IAA MOBILITY. Let Christian Hort, Senior Vice President of Automotive at T-Systems, take you through the virtual homologation demonstration. This showcase illustrates the collaboration between project partners Kontrol, dSPACE, FEV.io, TÜV SÜD, Microsoft, Berylls, and T-Systems. It showcases Operational Design Domain (ODD) extension for an SAE Level 3 vehicle equipped with an automated lane-keeping system. This demonstration highlights the critical role of over-the-air software updates in safety validation.

URL: https://www.t-systems.com/de/en/application-value-management

Application value management (AVM) concentrates on managing applications to improve their business value

Every modern enterprise depends on numerous cloud applications to support its processes and projects and operate efficiently. Application value management concentrates on continuous development to reduce costs, improve decision-making, and enhance user experience. Simply adopting applications is insufficient; an effective value management process ensures that they continue to meet business objectives.

How can you ensure a comprehensive approach to application management across the entire lifecycle? From selection and implementation to continuous optimization to retirement, how can you manage your apps to guarantee performance, security, and cost-effectiveness?

Discover the power of data to accelerate innovation, and bring agility into your business and enterprise culture.

We're more than a provider; we can partner with you throughout your application modernization journey and beyond.

Is data hidden in documents, e-mails, pictures? How to use this potential for data-driven business models.

A cloud is only as good as its applications. Find the right applications for your workloads.

Automate the management of containerized apps with the Managed Red Hat OpenShift Service on AWS (ROSA).

With over 3,000 Application Management Services (AMS) experts, coverage across 20+ countries, and strategic alliances with industry-leading technology providers, we can help you unlock your application's true potential.

URL: https://www.t-systems.com/de/en/analyst-ratings/digital/pac-radar-2023-sustainability-services

PAC ranks T-Systems as best-in-class in 8 categories in sustainability-related IT consulting and services in Europe 2023

T-Systems is positioned as best-in-class in eight categories in PAC INNOVATION RADAR for sustainability-related IT consulting and services in Europe 2023. With this recognition, T-Systems has proved its credentials as a top vendor for sustainable IT services in Europe. PAC evaluated 26 vendors in total.

Aida Oganesov, Analyst at PAC: "T-Systems firmly embeds its sustainability-related IT consulting and services offering in its overall portfolio. Through its consulting subsidiary Detecon, it offers a holistic, dedicated, sustainability-related consulting approach. T-Systems' breadth and depth of case studies and projects are very convincing – in terms of designing sustainable IT and IT-supported process optimization to achieve sustainability. We consider T-Systems as 'Best-in-Class' when it comes to collecting, monitoring, controlling, and reporting sustainability-related data."

T-Systems is positioned as best-in-class in this category. T-Systems performed well in key evaluation criteria such as strength in IT operations (infrastructure), sustainability-related services embedded in the overall portfolio, IP (tools, templates, framework) and dedicated sustainability-related services offering to name a few. PAC acknowledges T-Systems' strong competence and market strength.

T-Systems is positioned as best-in-class in this category. T-Systems performed well in key criteria such as sustainability-related partnerships with start-ups/specialists, overall commitment to sustainability, competence and experience in supporting customers' "sustainability through IoT" strategies, and availability of relevant case studies to name a few.

In this report which contains detailed insights on two of the eight categories, PAC explains T-Systems' key strengths and differentiators in sustainability that make it best-in-class amongst the top IT vendors in Europe. The report provides a comparison of the standings of various IT services providers in Europe.

* Field required

Kick start your journey of business transformation with T-Systems' digital and cloud services and do so in a sustainable way! You can also check how other clients have benefited by partnering with us.

URL: https://www.t-systems.com/de/en/security/topics/smarter-security

Create optimal working conditions for your company with Secured Agility – supported by state-of-the-art AI technologies

Your employees will only deliver the best results if you ensure efficient working conditions that adapt in an agile way to the individual needs of each person. Hybrid working powered by cloud computing and cloud services is made for this, but it also poses new cloud security risks. All of a sudden, your team is accessing sensitive data from their own smartphone or answering private emails from the company laptop – which is a compliance problem This opens the door to cyber attacks, and your IT infrastructure could be exposed to a risk or a threat creating a vulnerability.

We offer you tried-and-tested AI-based methods with which you too can master the balancing act between agility and security and turn remote work in your company from a problem child into a productivity driver. This ensures that it makes no difference which end device people use to access business-critical data. We provide visibility, threat detection and a security foundation for your organization, so that your employees can use modern cloud applications with security policies and access controls to further improve your security posture to minimize risks like data breaches or data loss. Machine learning and AI thus enable more efficient processes, reduce overhead in daily business, automate responses, and give your team the capacity to focus on critical tasks.

Learn more about the specific risks of the cloud and our specific cloud security solutions. This will give you a comprehensive overview of how an effective cloud security strategy can be built for your organization.

Constant change is not an invention of our time. What is new, however, is the dynamic with which it is progressing. And this presents your company with enormous challenges. Because economic trends, labor market demands, and customer requirements – to name just a few examples – are changing more rapidly than ever before. This in turn requires you to constantly adapt corporate strategies, processes, and technological and legal frameworks.

Your IT security must anticipate and enable every change instead of restricting your ability to react, adapt, and innovate. For this requirement, your organization needs highly agile security concepts supported by artificial intelligence.

To give your IT security architecture the highest possible flexibility while providing the greatest possible protection against malware and cyber attacks, T-Systems draws on extensive industry expertise and perfectly adapted technological solutions like AI. Your benefits: You get closely integrated solutions from a single source, from a team of experts who know your industry and business areas particularly well. This means that your security requirements can be flexibly adapted on a permanent basis – from threat detection and endpoint protection to a comprehensive cloud security concept. So you will always stay one step ahead of future changes.

Combine contemporary agility with the necessary highest IT security standards in your company. Our team of experts will be happy to advise you on our comprehensive, state-of-the-art security concepts.

URL: https://www.t-systems.com/de/en/imprint

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Trade Register:District Court Frankfurt am Main, HRB 55933, Registered Office: Frankfurt am

Contact

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/itg-graz-outsourcing-of-the

ITG Informationstechnik Graz benefits from outsourcing commodity services to T-Systems

Ulfried Paier, the Managing Director of ITG Informationstechnik Graz GmbH, and Johannes Hochmeister, Head of SAP, talk about their collaboration with T-Systems in this video. Due to the increase in complexity in the SAP area, ITG was looking for a partner to outsource commodity services so that its own resources could be better deployed and focused.

Based on the convincing references, the regional proximity and the personnel resources, ITG decided on T-Systems as a partner. The first and most important step was both the migration of data from the legacy systems to the new servers at T-Systems and a major service pack upgrade of the systems. By outsourcing to T-Systems, peak server workloads can be handled much better.

What ITG appreciates about working with T-Systems is the technical expertise of the specialists at the T-Center on the one hand, and the fast response times and good personal contact with the contact persons on the other.

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(Video in German with English subtitles. Please click "Settings" at the bottom right of the video to turn on English subtitles.)

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/locations

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URL: https://www.t-systems.com/de/en/newsroom/news/t-systems-offers-nvidia-omniverse-619150

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform

T-Systems International is now offering its customers NVIDIA Omniverse, a platform for connecting and developing complex 3D pipelines and Universal Scene Description (OpenUSD) applications for industrial digitalization.

With Omniverse, enterprises can unify their 3D tools and data with the OpenUSD standard, allowing teams to collaborate remotely via photorealistic visualizations and simulations of, for example, production lines and industrial facilities. T-Systems will provide the migration and management of a secure, sovereign, European cloud platform for customers interested in Omniverse. A major German automotive producer is T-Systems' first customer already live on the platform.

By connecting their various CAD tools and data to NVIDIA Omniverse, via a unified USD-based data pipeline, manufacturers can create digital twins that allow their cross-disciplinary and geographically-dispersed teams to collaborate in real-time and simulate their facilities and production processes rapidly, cost-efficiently, sustainably and at scale. Using digital twins and connecting teams in this way can deliver transformative outcomes in areas such as product development, safety and quality testing, as well as staff training, with many further possibilities. By offering Omniverse to its customers across the manufacturing and automotive industries, T-Systems aims to help them boost innovation, increase the efficiency of their planning process, eliminate costly errors, and reduce barriers to rapid industrial digitalization. The Deutsche Telekom business customer IT subsidiary will also provide DevOps, data intelligence and consulting services.

Offering NVIDIA Omniverse at T-Systems will enable digitalization, innovation and sustainability. T-Systems' delivery of secure and sovereign cloud platforms is a be a big step for European industry and for our customers to make full use of Omniverse.

Adel Al-Saleh, T-Systems CEO and Board Member at Deutsche Telekom

"Simulation and digital twins bring a myriad of opportunities to the industrial manufacturing sector. T-Systems' offering of NVIDIA Omniverse will help manufacturers accelerate their journey to digitization", said Markus Hacker, Regional Director Enterprise Business, DACH, at NVIDIA.

This is exactly where T-Systems supports as a thought leader with inspiration on innovative topics. Learn how we can shape the next steps into our digital future together.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/mainframe-services

Professional mainframe services simplify operations, save costs, and create space for innovation

Efficient, secure, and reliable: These features make mainframes such as IBM Z indispensable for many companies. This is most applicable where numerous business-critical applications are still running on mainframes in the company's own data center and database. At the same time,

companies are reeling under the burden of high operating costs. However, the risk of migrating such workloads to modern platforms or the cloud is too great for most managers, who are concerned about long downtimes and possible disruptions. In addition, companies lack the expertise, and the projects are complex and expensive.

T-Systems operates a standardized, highly efficient infrastructure for mainframe workloads in its own redundant data centers. Advantages for customers: The costs are based on actual demand; users benefit from economies of scale. This comes in addition to high scalability and the use of the latest hardware. In terms of performance, the stand out features of the mainframe operations are their quality and stability with an availability of 99.998 percent. The quality assurance program certified by TÜV Germany ensures this high level of operational stability, and companies don't just benefit from this in times of crisis. The T-Systems mainframe infrastructure is available globally. To enable this, T-Systems operates one of the world's largest sysplex environments at its main hub in Munich. T-Systems also has additional production sites in South Africa, Spain and operating personnel in Hungary, Brazil, Slovakia, and India. In total, the company has more than 900 experienced mainframe specialists. A professional partner like T-Systems can provide companies with vital assistance in this area: With zFuture mainframe services, companies operate and modernize their legacy systems easily and cost-effectively – whether under zOS, zLinux, or in the cloud.

How mainframe platforms are able to find their place in modern IT and become incorporated into the cloud.

With zFuture, T-Systems will help you navigate the right path to the future. Does your company want to continue using mainframe technology? Or would you prefer to modernize legacy applications and connect the mainframe world with the cloud through migration? T-Systems supports companies that need to retain their mainframes with state-of-the-art IT infrastructure, hardware, and platform optimization. At the same time, T-Systems offers its customers state-of-the-art IT infrastructure with innovative services such as Docker containerization or zLinux. T-Systems also provides its customers with advice and support throughout the mainframe migration to public, private, and hybrid cloud environments. Together with the customer, T-Systems analyzes the current situation to identify which applications should stay on the mainframe and which should migrate to the cloud. A roadmap is used to illustrate the individual migration steps. T-Systems also calculates the costs of transformation, potential mainframe outsourcing, and future operations.

With zFuture you can face future demands with confidence: Our services modernize aging mainframe applications and make them fit for the future. We provide companies with advice and support throughout the migration from Cobol to Java or, with software development, in the transition from the waterfall model to agile models such as DevOps or Scrum. In addition, applications such as blockchain, internet of things (IoT), and artificial intelligence (AI) can be implemented with mainframes as well as the latest container technologies.

We will happily provide you with advice and support for modernizing your mainframe applications and the migration to the cloud. Contact us, we are here to help.

Does the chosen cloud strategy in your company match the situation in the mainframe environment?

T-Systems is leader for Mainframe as a Service on a European level.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/partners

Partnerships with leading technology and software enterprises are among the many strengths of T-Systems

By collaborating with specialists in joint development projects, not to mention in technology and sales alliances, we are expanding our target markets and creating genuine benefits for you as our valued customer.

Best-in-class solutions are based on the best components available in all segments. The purpose of our partnerships is to pave the way to digitalization and promote growth and innovation for your business enterprise. T-Systems is certified to participate in key strategic partner programs conducted by industry leaders such as SAP and Microsoft.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Together we enable companies to bring business-critical workloads into the cloud and accelerate their digital transformation.

T-Systems and its partner Cisco have been cooperating in the areas of collaboration and VPN for years.

With 15 years of experience as an approved Citrix Systems Integrator, we are your one-stop shop for services and tools.

5G campus networks combine advantages of public and private mobile networks.

Reliable protection: T-Systems and Fortinet combine top security expertise with leading technology.

T-Systems is a Google Cloud Premier Partner and certified expert on the platform for developing new business value.

If you want to future-proof your legacy mainframe or innovate in the cloud, as an IBM Platinum Partner, we can help.

Our collaboration with Intel® runs deeper than using its chipsets; we explore opportunities to add value to our clients.

A hybrid cloud which combines security, stability, and flexibility with the experience of T-Systems and Lenovo.

With the versatile cloud solutions from Microsoft and T-Systems, companies can digitalize their processes in an uncomplicated and effective manner.

Simplify and accelerate system integration with ready-made standard APIs.

T-Systems and Palo Alto Networks secure your path into the digital future – with flexible and comprehensive services.

Together with the market leader for CRM solutions, T-Systems offers customers a complete package consisting of licenses, project services, and complementary cloud products – all under one German contract.

As a long-standing certified SAP partner with numerous awards, we can help you modernize and succeed with SAP.

Use the ServiceNow platform as a comprehensive control center for company-wide process automation.

Together with VMware, T-Systems will modernize your IT resources transparently and efficiently in the cloud.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/cloud-services/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

Audit validated T-Systems' capabilities in delivering customer solutions and services on the Microsoft Azure platform.

ISG Provider Lens™ – AWS Ecosystem Partners 2023: "Leader" in Consulting, Migration, Managed Services, and AWS SAP Workloads.

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

What is the meaning behind the buzzword and what significance does sovereignty have for digitalization?

What is microsegmentation, and how does it protect your enterprise from malicious activity and cyber threats?

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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Data sovereignty in the automotive industry | Sovereign Cloud Use Case | T-Systems

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The T-Systems Sovereign Cloud powered by Google Cloud enables a digital patient journey in the healthcare industry.

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In this Open Telekom Cloud Community webinar we will give you an insight of the new security service Dedicated Web Application Firewall (DWAF).

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In this Open Telekom Cloud Community webinar we will give you a summary of the delivered features and functionalities of 2023.

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/artificial-intelligence/topics/ai-strategy

Unlocking data-driven excellence with AI-powered solutions in an efficient and agile manner across industries

Global AI footprint is at its peak and the convergence of strategy and implementation has become essential for enterprises seeking to harness the transformative power of artificial intelligence. Developing a well-defined AI strategy provides a roadmap and implementation breathes life into strategy, translating it into tangible actions. Together with Detecon and T-Systems, our strategy and implementation create a synergy that guides enterprises towards AI-driven innovation, efficiency, and competitive advantage.

Our collaborative AI approach at T-Systems and Detecon harnesses the power of three robust methodologies:

This integrated approach empowers us to drive innovation, user-centricity, and efficiency in our data-driven solutions and projects. As a strategic component within the T-Systems portfolio, Detecon has a proven track record of collaborating effectively with T-Systems on numerous projects. Our offerings, including the AI Solution Factory and the Telekom Data Science

Platform, facilitate smooth AI training, development, and effortless deployment through cloud platforms.

Our team can help you aptly implement AI, establish your organization's AI strategy, foster a culture of AI adoption, or answer any AI-related issues. Contact us and we can guide you to AI success.

An all-encompassing strategy delineating the organization's utilization of AI to realize its business goals. This plan encompasses tasks ranging from pinpointing viable AI applications, allocation of resources (both human and financial), infrastructure enhancements, implementation schedules, and metrics for gauging achievements. "Assessment of Preparedness: A methodical evaluation of an organization's readiness for the effective integration and embrace of Artificial Intelligence technologies. This assessment scrutinizes the current state of IT infrastructure, governance, organizational structure, and roles that may either facilitate or impede AI adoption." Reach out to us to know more!

Responsible AI:

Leadership and oversight:

Roles and responsibilities:

Risk Management and Compliance:

Organizational and change management

Monitoring

Today, organizations are increasingly becoming AI-centric enterprises, guided by a holistic approach that transcends traditional silos and embraces change. This transformation revolves around democratizing data, surmounting challenges like data discovery, and nurturing a data-centric culture. At its core, it places data in the spotlight, fostering a culture and mindset built on data-driven decision-making while ensuring universal data access and usability. These enterprises understand that their data strategy is inseparable from their business strategy, with those leveraging AI insights being 2.8 times more likely to achieve double-digit growth. Through AI, they gain the capability to analyze data at scale, unearth valuable patterns, and make predictive strides, driving innovation, efficiency, and competitiveness in an increasingly AI-infused world, extending their product optimization and business model expansion into new market realms.

URL: https://www.t-systems.com/de/en/industries/public-sector/topics/digital-public-administration

Digital transformation offers the public sector opportunities to modernize public services and reduce government bureaucracy

Germany's public authorities must actively address digitalization initiatives. There are many arguments in favor of greater digitalization: Digital technologies make life easier for citizens and public authorities, and digital services accelerate administrative procedures for the private sector. Government agencies down to the municipal level are setting the course for the future. Germany must implement digital services now to position itself for the future.

Do you want to develop digital technologies for modernizing administration? Talk to us.

As a service provider, we have been supporting the administration with digital services for decades and have successfully implemented numerous technology projects. We have the specific expertise to understand the modernization needs of the public sector and to develop or evaluate suitable solutions. For the digitalization of administration, we draw on a broad portfolio of options, including new technologies such as artificial intelligence as well as IT infrastructures and cloud solutions, which we can provide with confidence.

With digital innovation and communication, the German administration can position itself as a pioneer for greater proximity to citizens and as a supporter of businesses. Digital solutions would speed up processes and increase efficiency in administration. Digital processes relieve government employees of time-consuming standard tasks, opening up entirely new opportunities for interaction. Of course, digitalization in administration must satisfy European and German framework conditions. T-Systems combines the opportunities of digitalization with the demands of sovereignty and security of the administration for future-oriented solutions.

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/topics/retail-supply-chain-mar

How retail companies increase end-customer satisfaction with flexible logistics

Empty shelves in stores, waiting for ordered products, and delivery of damaged goods cause customer dissatisfaction while flexible logistics and transparency about the location, deliverability, and condition of the goods help it significantly. Digitally connected logistics help keep inventories and supply chain costs low. Furthermore, they ensure smooth coordination between logistics, headquarters, and online and stationary retail within the company.

Retail companies can gain cost-benefit ratio along the entire supply chain with our digital solutions. Dashboards help retailers stay on top of things and get real-time recommendations for action, with harmonized goods logistics and product data interfaces. Cloud-based supply chain management (SCM) solutions help optimize SCM processes and supply chains from inbound and outbound goods to warehouse management, resulting in increased on-time delivery, shorter warehouse lead times, and lower logistics costs.

Discover how retail and logistics industry can build a secure and resilient supply chain.

Discover how to take full advantage of a completely digital supply chain in your company! Contact us to see what which solutions are ideally suited to your requirements.

One of the core objectives of digitalization in transport logistics is achieving a transparent and end-to-end view of the entire supply chain. The digital supply chain plays a decisive role in this. In addition to data from classic IT systems such as CRM or ERP, Internet-of-Things solutions are increasingly being used to track vehicles and transported goods. When combined with artificial intelligence, this data enables timely adjustments to workflows and the optimization of logistical processes. This provides cost benefits and improves customer satisfaction.

Thanks to supply chain 4.0 digital solutions, including IoT and blockchain, T-Systems and its partners have connected the physical and financial supply chains. The technology automates all processes involving financial transactions or services and ensures that payment targets are met on time. This is crucial in solving daunting challenges around procurement, payment automation, inventory management, and end-to-end supply chain visibility.

Apart from the sustainability aspect, the 'Digital delivery note' solution dramatically speeds up delivery processes and saves several days of work. The contactless handover using QR-code scan, the digital signature, and no delivery physical note needed to be printed. The adaption and standardization of digital delivery notes will decisively increase supply chain efficiency.

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The digital service button ensures that shelves are replenished quickly, trucks are unloaded safely, and technical faults are reported immediately.

Download this white paper to understand the business value and impact of 'Supply Chain Act' as companies must report human rights data from 2023.

URL: https://www.t-systems.com/de/en/data-intelligence/solutions/big-data-analytics

Cost efficiency and quick data analysis in construction, testing, and production

How can complex, globally distributed data sets be efficiently stored and used for integrated data analysis? An end-to-end solution from T-Systems provides the answer: signal data is compressed by up to 90 percent without loss of information and stored in edge devices. The data is processed in an optimized big-data format, resulting in the processing time of the data being 40 times faster than the standard procedure. Engineers send analysis requests to the edge clusters distributed around the world for calculation. Only the results – i.e. the relevant data – are transmitted via secure connections, which leads to significant time savings, since the big data can be used for ad-hoc analyses. Measurement data is enriched with metadata during processing, so that engineers can search for the data relevant to them semantically and easily.

The big data & global edge analytics lowers costs for companies and increases the scope for processing and working with large amounts of data. With Big Data Signal Processing, raw data are read out on site, compressed without loss of information, and prepared for analysis. They remain in the edge device, a kind of mini data center on site. The edge devices are part of an integrated database which is available to companies through all cloud storage systems. Globally distributed development teams submit semantic analytics queries that are distributed worldwide via federation for calculation. Only the analysis results flow back, which significantly reduces response times and uses less bandwidth.

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How can companies efficiently process complex, globally distributed data sets and use them for integrated analyses? The automotive development sector is also facing this challenge. When testing vehicles in the snow of Finland or in the desert of Dubai, several terabytes of signal data are collected daily for each prototype. All this information should be available to globally distributed engineering teams for diverse and spontaneous evaluations as soon as possible following the test.

T-Systems' new end-to-end edge computing solution is setting standards in this area. The innovative software Big Data Signal Processing captures and stores the data without loss of information and up to 90 percent compressed. The data remains where it was created, in a mini data center on site, the edge device.

Here's the trick: data are no longer transferred to a central cloud for analysis. Instead, analysis requests from engineers are sent via federation to globally distributed edge clusters and calculated locally. The results flow back via a secure network connection. This has two advantages: firstly, parallel analysis queries are possible from any development site and, secondly, this method accelerates data processing by a factor of about 40. T-Systems has already planned and implemented the customer-specific big data infrastructure for a company and operates it across the entire ICT stack from a single source.

Big data and global edge analytics offer added value to all companies that wish to work with large volumes of data in a decentralized manner and for whom speed and cost efficiency are important. For example in the areas of construction, testing, production, or logistics.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/sovereign-cloud/solutions/sovereign-cloud-powered-by-google-clou

Full public cloud functionality for your digital transformation – full sovereignty included

It used to be legacy IT that hindered the quick realization of innovative services. Today it is the legal framework governing cloud usage. It prevents the full potential of cloud technology from being used in digital transformation projects. The T-Systems Sovereign Cloud powered by Google Cloud removes all such obstacles.

Many companies are already relying on the cloud and have discovered that many use cases with excellent business advantages turn out to be more challenging with a second look – since hyperscaler clouds are not easily deployed. Additional time and costs for legally compliant usage delay digitalization projects – or prevent them entirely. It's no wonder that the call for sovereign clouds is getting louder and louder. This is one of goals of Europe's GAIA-X initiative: the sovereign and legally compliant usage of cloud resources.

The T-Systems Sovereign Cloud powered by Google Cloud is the first of its kind on the German market. As a joint product from T-Systems and Google Cloud, it offers full compliance with the requirements of German regulators – while retaining the public cloud functionality of a hyperscaler. This will enable the drastic acceleration of digitalization projects.

This scalable cloud solution meets a wide range of sovereignty requirements and allows T-Systems to offer all companies, but especially the public sector and healthcare sector, cloud usage while simultaneously fulfilling various compliance requirements. Explore the digitalization potential the Sovereign Cloud leverages in selected industries.

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The T-Systems Sovereign Cloud powered by Google Cloud enables a digital patient journey in the healthcare industry.

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Data sovereignty in the automotive industry | Sovereign Cloud Use Case | T-Systems

The Sovereign Cloud addresses all three aspects of sovereignty right from the start: data sovereignty, operational sovereignty, and software sovereignty. Adherence to these principles is continuously monitored by T-Systems. This means that companies from regulated industries such as healthcare, the public sector, and finance can use cloud services in compliance with GDPR and Schrems II.

Data sovereignty means that the owners of data have certainty that their data will not be manipulated, deleted, copied, or viewed in the cloud by unauthorized parties (this includes the cloud operator). To this end, T-Systems handles the management of the keys in an external key management system so that the cloud operator does not have access to the keys. This means that clients in regulated markets and clients working with personally identifiable data can use the Google Cloud ecosystem to successfully implement their digital transformation without any reservations.

Within the framework of operational sovereignty, users are given complete transparency and control over the provider's operations. In this particular case, T-Systems will monitor Google as the provider of the platform and ensure that adjustments to the platform do not undermine its sovereignty. This ensures the future sustainability and full performance of the platform.

The Sovereign Cloud is designed as an open platform. This prevents users from becoming dependent on the Sovereign Cloud (vendor lock-in). Applications and services can be consistently orchestrated across multi-cloud landscapes – and thus can be moved away from the Sovereign Cloud to any other IT infrastructure at any time.

What are sovereign clouds? Why are they important for the sourcing mix, how are they created, and what added value do they offer?

Sovereignty requirements vary from industry to industry and from workload to workload. In order to meet the various requirements, Google Cloud and T-Systems will be offering a portfolio of sovereignty solutions. In addition to the basic "Sovereign Controls" variant already available today, the T-Systems Sovereign Cloud powered by Google Cloud will, in the future, be extended to include two further variants with a higher level of sovereignty: the "Supervised Cloud" and the "Hosted Cloud".

With the sovereign controls operated by T-Systems for the most popular Google Cloud Services, requirements for access control and transparency as well as data residency are met.

This "semi-connected" version of the cloud will be physically operated by T-Systems, separate from other Google Cloud infrastructure. Updates made by Google Cloud will be carried out at agreed times and exclusively under the control of T-Systems staff.

This variant is designed for users with the highest sovereignty requirements and is based on the Google Distributed Cloud. This ensures complete operational control and independence thanks to dedicated hardware and complete separation from the Google Public Cloud ("air-gap" capability). On request, T-Systems can also operate it from a customer's data center.

Find out how T-Systems is addressing the challenge of digital sovereignty with its cloud solution.

Take advantage of public cloud without compromising on data security and compliance requirements. Start your journey towards digitalization today!

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/airport-management

In its role as master system integrator, T-Systems implements and is responsible for the digital transformation of modern airports

T-Systems has been developing and delivering airport solutions worldwide for more than 30 years, ensuring smooth airport operations and logistics. Up to 110 individual systems are integrated in one Airport Suite. The suite is also open for integration with solutions from other vendors. It includes big data analytics and dashboards for managing the airport ecosystem.

From Miami in the USA, to Amsterdam, Dublin, Frankfurt, and the enormous Beijing Daxing Airport in China: Around 50 major international airports worldwide place their trust in airport solutions from T-Systems.

Click here to find out where you can fly with T-Systems.

The wide range of technology found in a modern airport combined with the large number of stakeholders poses a major challenge. Emerging aspects such as biometrics and cloudification must be considered at modern airports and integrated across the large number of disparate IT systems from different vendors. T-Systems, acting as a master systems integrator, brings the necessary expertise to the table with its airport consultants and the Telekom Partner Network, enabling the company's own systems and those of third parties to form a modern, integrated end-to-end solution.

Airport Collaborative Decision Making (A-CDM) facilitates better coordination between the airport, air traffic control, ground handling services and airlines, significantly reduces emissions and fuel consumption, and minimizes environmental impacts. Passengers benefit from fewer delays. An average of around 92 kg of CO_2 is saved per departure.

#GreenMagenta

The digitalization strategies and technologies from T-Systems mean that we are ideally equipped to guarantee the operation, security, and maintenance of the airport infrastructure at a high level at all times.

Beijing Daxing Airport

Beijing Daxing Airport, a mega-airport which opened in 2019, asked T-Systems to tailor its

Airport Suite to the operational control of air traffic at the Beijing airport.

The modular Airport Suite delivers complete visibility of the highly complex airport ecosystem. It maps all flight-related activities based on real-time data, enabling better decisions as well as more efficient collaboration between parties involved in flight operations. This improves the optimization of flight handling processes and provides reliable information for passengers and staff.

Like many other organizations, Frankfurt Airport is not immune from the need to switch the mobile communications generations, ranging from 2G to 5G, to a common hardware platform (single RAN). Getting our mobile sites at Germany's largest airport ready for 5G is a mammoth task.

The Airport Suite from T-Systems integrates special solutions from several partners. Frequentis supplies communication and information systems for control centers with safety-critical tasks. Materna IPS develops solutions for all passenger stations from check-in to baggage claim and boarding. PSI software is used for passenger and baggage handling. Sittig is a market leader for automatic airport announcement systems.

Are you looking for modern Airport IT? Or are you looking to update an existing airport with intelligent IT? Our airport experts are happy to show you which IT solutions will help you master your challenges.

URL: https://www.t-systems.com/gb/en

You'll learn the state of Zero Trust, why it's here to stay, and how to start putting it into practice.

Planning to migrate your SAP S/4HANA to AWS? Find key recommendations in the free report.

Adel Al-Saleh to leave the Group and become new CEO of satellite operator SES.

ChatGPT amazes people with its knowledge. But is that enough to deliver sustainability strategies as well? More about this in the blog.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

Planning to innovate in the cloud? Find recommendations in the free report.

How companies command their business strengths and future challenges by taking the optimal route to SAP S/4HANA.

How to use AWS also for sensitive data? Our e-book shows a way with a focus on Data Protection as a Managed Service.

This is exactly where T-Systems supports as a thought leader with inspiration on innovative topics. Learn how we can shape the next steps into our digital future together.

Do you have any questions concerning the planning, implementation or maintenance of your digitalization project? Contact us and one of our experts will be in touch with you to answers all your questions.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/intelligent-automation

Software robots that perform specific actions are increasingly supporting people and 'New Work'

Against a backdrop of skill shortages, the desire to increase competitiveness, be more sustainable and resilient, and respond quickly to changing market conditions or unpredictable events, intelligent automation tools are evolving and enjoying great popularity. Workplace solutions include robotic process automation (RPA), business process management (BPM), AI, machine learning, and software robots.

Elevate productivity and efficiency with digital workplaces.

Find out in our trendbook, the benefits that automated processes bring to your company.

A key to putting your business into digital fast-track with experts from Pegasystems and us #Fastlane2Digital.

T-Systems has achieved these together with its customers within the shortest possible time.

We are linking the physical supply chain with the financial supply chain to increase resilience, automation, and value creation.

Learn how to realign technology solutions to offer an immersive & personalised employee experience.

From boosting efficiencies to CX, achieve your intelligent automation goals with T-Systems. We can advise you on use cases and provide managed services and tools for a great digital workplace experience.

URL: https://www.t-systems.com/de/en/migration-and-modernization/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how our migration and modernization solutions are used to increase flexibility, productivity, efficiency and quality.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Discover how T-Systems helped metal supplier MCB with their cloud migration.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

The 5G campus network enables the use of automated guided vehicles.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

The founders of Sosias Data set the course for growth.

The State of Brandenburg relies on T-Systems for SAP application management.

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

T-Systems driving business innovation for Cargodian with AWS consulting and solutions.

Migrations into AWS and private cloud as well as taking on the application management for SAP, non-SAP, and PLM.

Vitesco Technologies migrates Windchill PLM system to AWS.

Federal company accelerates software development with Future Cloud Infrastructure and cloud containers.

The company, apoplex medical technologies, offers diagnostic software from the Telekom Healthcare Cloud.

Simple questions are answered automatically and quickly by the e-bot7 chatbot thanks to secure resources from the Open Telekom Cloud.

Hannover Medical School trusts TrialComplete for its clinical studies.

Deutsche Telekom trusts in T-Systems and a DevOps approach for stable and agile operation of the Magenta Speaker.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

Managed firewall services relieve the strain on the internal IT team and secure a lasting high level of security.

Ostseeklinik Schönborn-Holm optimizes patient service with the introduction of REHA.Complete.

T-Systems is developing a state-of-the-art AWS Landing Zone for a chemical group as part of an agile project.

The German Heart Center Berlin (DHZB) – How TrialComplete simply and securely creates the data exchange.

The integration of various areas such as information security, risk management and data protection makes it possible to take advantage of synergies.

Highest performance and maximum high availability for critical infrastructures.

How the Haufe Group exploits its data treasures to develop the business in a targeted manner.

How the Fiber Factory accelerating fiber optic expansion with flexible and secure resources from the Open Telekom Cloud.

With a new asset management system based on ServiceNow, T-Systems Hungary's service processes are gaining in transparency and speed.

With user-friendly analysis software and secure services from the Open Telekom Cloud, FORSIT can manage the company more effectively.

ECKART relies on Salesforce for an integrated market presence and sales success.

How EUVIC meets the security and privacy requirements of the financial industry in the public cloud.

T-Systems supported a logistics company as managed service provider.

Setting up a Threat Management Assistant (TMA) System according to AWS best practices.

The modular toll platform collects road tolls without the need for an additional infrastructure.

Indonesian hospital group Mitra Keluarga migrating its IT to AWS with help from T-Systems.

For an internationally operating consumer goods enterprise, T-Systems developed a solution based on public cloud services.

T-Systems offers its customers interactive workshops in the virtual world. The Open Telekom Cloud is used as the basis for this.

Through the migration to Microsoft Azure, Aethra has lowered its operating costs by 60 percent and improved its performance by 30 percent.

Fuse-AI facilitates medical diagnoses using artificial intelligence from the Open Telekom Cloud.

platform3l makes companies fit for the digital future. The IT resources required come from the Open Telekom Cloud.

With Particulate's donation platforms, companies can support social projects of their choice with so-called SocialCoins.

Customer acquisition with the Open Telekom Cloud: this is what the artificial intelligence of DATAlovers AG offers.

Xelera makes enterprise applications up to 100 times faster and uses FPGA flavors from the Open Telekom Cloud.

Film production is becoming increasingly digitized: UFA integrates the cloud into its filming data process.

Expand IT with flexibly scalable resources: brodos.net has succeeded in doing this, with the Open Telekom Cloud.

How the foundry moved its SAP services to Amazon Web Services with minimal downtime.

The private cloud serves as a solid foundation for shopping and the customer experience.

How T-Systems and VDV eTicket Service use the Open Telekom Cloud to simplify travel between regions.

How Daimler's digital service platform enhances the driving experience and customer loyalty with T-Systems solutions.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/security/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how international companies are using our solutions to reduce cyber risks and secure their business success.

T-Systems and Deutsche Telekom IT have accelerated the secure introduction of public cloud AWS together.

Verkehrsbetriebe Zürichsee and Oberland AG practice penetration tests.

Security training for Verkehrsbetriebe Zürichsee and Oberland AG.

Church organizations benefit from Cloud Privacy Service for Office 365.

T-Systems develops security architecture and realizes SOC for Vitesco Technologies.

The cyber security experts are able to detect attacks at an early stage and provide support for defense strategies.

Managed firewall services relieve the strain on the internal IT team and secure a lasting high level of security.

Setting up a Threat Management Assistant (TMA) System according to AWS best practices.

Telekom protects itself and its customers from Bonn with its largest Cyber Defense and Security Operations Center.

KAESER KOMPRESSOREN SE has mobilized all of its business processes together with T-Systems.

Using the GRC (governance, risk, compliance) cloud, T-Systems provides an enterprise risk management system for the Otto Group.

A high-performance encryption solution from T-Systems protects the German state of Saarland's IT service center.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/success-stories/security/vzo-ag-transparency-for-network-security

Verkehrsbetriebe Zürichsee und Oberland AG practice penetration tests

The Covid-19 pandemic also saw a shift in work environments within VZO – there was a significant reduction in passenger numbers as employees were increasingly working from home. The managers were aware that the new work situation posed cybersecurity risks. A successful cyberattack could pose massive difficulties to operations. They decided to review their IT security capacity and enlisted the security experts at T-Systems/Deutsche Telekom Security to help them do so.

At a glance

VZO took the opportunity posed by the changed situation to subject its cybersecurity to a critical review. Its approach involved raising awareness among employees, as well as putting its IT technologies, processes, and methods to the test. Potential vulnerabilities were to be identified, evaluated, and eliminated, to ensure that the company could maintain its business operations reliably despite a constantly increasing threat level. The company commissioned experts from T-Systems/Deutsche Telekom Security to perform a security check and risk assessment.

Penetration testing from T-Systems/Deutsche Telekom Security gave us transparency for our network and enabled us to improve our security level.

Dominik Trachsel, Head of ICT, Verkehrsbetriebe Zürichsee und Oberland AG

External penetration tests are an efficient, proven method for testing the current security level of (information) systems, technically and objectively. Penetration tests are used to review networks, systems, and/or applications. Before the test, VZO's managers and Deutsche Telekom Security defined the scope, the targets, and the procedure in a "permission to attack".

Over the course of two months, the security experts scrutinized VZO's network intensively. Initially, public sources of information were perused to identify potential attack vectors. Automated port scans provided information about the services and operating systems.

Based on this information, the security experts assessed the risks posed by the identified vulnerabilities. To minimize the company's risks and mitigate the identified vulnerabilities, the experts presented a prioritized list of suggested solutions. The outcome of the tests was documented in a report containing a summary of the results and a description of the approach used, along with an analysis of each vulnerability. It also contained a risk assessment, a list of

the affected systems, a description of each vulnerability and its impact, recommended measures, and documentation of the weak points.

Thanks to the analysis by external experts, the managers at VZO gained transparency regarding the strengths and weaknesses of their network. The prioritization and risk assessment enabled them to eliminate weak points efficiently and purposefully, permanently increasing the company's security level. With this step, VZO helped safeguard business operations despite a constantly increasing threat level.

Verkehrsbetriebe Zürichsee und Oberland AG practice penetration tests

Every day, more than 60,000 passengers trust the transportation services of Verkehrsbetriebe Zürichsee und Oberland AG (VZO), the Zürichsee and Oberland transportation service company. With over 300 employees, the company ensures that commuters, school children, and occasional passengers within 250 km2 of the Zürcher Oberland and the right bank of Lake Zurich reach their destinations reliably and on time. VZO provides optimized transportation services to the population of the Zurich economic region – while helping to protect the environment. The quality of its services is confirmed by measurements by ZVV, the Zurich Transport Association, which acts as the contracting entity for VZO. The transportation company operates an ultramodern fleet of more than 100 buses and invests heavily in its employees. It was recognized with the Swiss Arbeitgeber Award in 2021, Switzerland's most significant prize for employer attractiveness. Regular training courses for staff and occupational health support are among the many services that VZO offers its employees.

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We will be happy to provide you with the right security experts and answer your questions on planning, implementation, and maintenance of your security concept.

URL: https://www.t-systems.com/de/en/careers/why-t-systems/how-to-apply

Tips and tricks for your application

Applying is very easy and uncomplicated, when you know how. Please apply exclusively online via our Job Portal. To help you plan, you should reckon with 6-8 weeks from application to acceptance. This process may be longer or shorter depending on how full your and our appointment calendars are.

Your cover letter: this is essential to any application portfolio. Here you explain why you are interested in the position and why you are the right candidate for us. Get straight to the point: use one A4 page to highlight practical experiences and qualifications that make you perfect for the position.

Your resume: short, structured and impressive – this is what your resume should be like. Concentrate on positions relevant to the advertised role. Organize your resume in reverse chronological order to provide a quick overview. Want to tell us more? Then simply include the link to your Xing or LinkedIn profile.

Certificates and references: please only send us documents relevant to the role. Additional qualifications are welcome, as long as they are useful for the position advertised.

On every job advertisement, you will find a link to apply online. Please register and create your applicant profile. Your advantage: once your profile has been created, you can quickly and easily apply with your application portfolio in a matter of clicks to every job opportunity at T-Systems worldwide. In the applications overview, you can view the status and next steps in your application process. You can also save your progress on an application to finish and submit later.

Congratulations! We were impressed with your application – now we would like to get to know you better in person. If you prepare well, you can go into the interview feeling calm and relaxed. Which projects have you worked on? Why did you apply to work with us? What would you like to know about your future manager?

Around two weeks after our interview you will receive your feedback. Should we wish to employ you, we will of course give you some time to consider the offer. If you would like to work for us, we will have another meeting to discuss the details of your contract. After up to five weeks, everything will be sorted. Once we agree on the details, we will welcome you to our team.

We make your start and orientation in our group as easy as possible, even before your first day with us, so that you can throw yourself into your role right from the beginning. As well as this, we continue to guide you, with regular review meetings and personalized training options, even after the first few weeks.

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We offer attractive jobs for every career level – in a global network, with innovative technologies and a new-work environment.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/aws-managed-services

Adopt, build, migrate, manage and secure with T-Systems on AWS

Amazon Web Services (AWS) is one of the most comprehensive platforms providing cloud services. Yet, daily changes and updates make the system complex. With our Managed Cloud Services we support and assist you with strategic planning and transformation of your IT into the multi, hybrid or public cloud.

Being an AWS Cloud Managed Services Provider, we manage large and complex deployments to help our customers scale new heights. As a Premier AWS Consulting Partner, we ensure enterprises with uninterrupted business operations and proactive round-the-clock support to pre-empt and tackle outages, attacks, and performance issues. Backed by a strong cloud experience and expertise, our aim at T-Systems is to help our customers in reducing costs, accelerating business processes, and minimizing time to value. We can support you in reshaping your business and in creating a cloud-enabled future.

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our privacy policy.

With T-Systems Managed Cloud Services, you can get started on your cloud transformation journey without any worries. Our team can support you on all levels. Watch the video to learn more.

Do you have all the skills and capabilities to exploit the wealth of AWS? Managed Services can fill the gaps.

As a Premier AWS Consulting Partner, T-Systems offers professional services providing strategic advice, full (cost) transparency and comprehensive managed services. Our cooperation begins with the selection of suitable services and tools from the AWS universe. Tap into the unlimited scaling potential of the AWS cloud with our strategic consulting approach with expert guidance at every step of your cloud journey.

Explore Managed Services on AWS. Benefit from our Starter Package with a credit balance of €2,000 for 3 months.1

The conditions in the "Get started quickly with AWS Cloud" flyer below apply.

T-Systems and AWS come together to tackle data compliance issues with a unique offering.

Looking to modernize your legacy systems to the cloud? Work with T-Systems and AWS towards cloud migration.

Address security vulnerabilities in real-time on AWS cloud with T-Systems Security Services.

Avoid downtimes, increase agility and reduce costs with managed cloud services for SAP® on AWS.

Flexible, simple, and fast: Into the public cloud with VMware Cloud on AWS.

Optimize your cloud architecture with an AWS Well-Architected Framework Review conducted by T-Systems.

Would you like to make the step into the AWS universe or are you already part of it and you're looking for assistance? Our team of AWS professionals can assist you with the right solution according to AWS best practices.

1. FC Köln is modernizing its website with AWS and T-Systems.

T-Systems is developing a state-of-the-art AWS Landing Zone for a chemical group as part of an agile project.

How the foundry moved its SAP services to Amazon Web Services with minimal downtime.

Indonesian hospital group Mitra Keluarga migrating its IT to AWS with help from T-Systems.

Transition of a traditionally hosted application to AWS by leveraging cloud-native services.

Managed Cloud Services save time, cost, and adapt the performance to the new setup. DTIT

profits from the expertise of T-Systems in implementing solutions on AWS.

With their expertise in Managed Cloud Services, T-Systems helped the client get started with AWS and enabled the seamless transformation of the SAP business to the cloud.

From setting up a secured landing zone, consulting and migration support, to chaos engineering and night-time savings – it covers all.

Using Infrastructure-as-Code in a multi-account environment, T-Systems builds a secure landing zone for T-Mobile Netherlands on the AWS platform.

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/imedone-hospital-informat

In the testimonial videos, the experts share their experiences with the iMedOne® hospital information system

The iMedOne® hospital information system (HIS) supports processes in various ways and considerably simplifies the job of healthcare workers. Klinikum Itzehoe, one of the largest hospitals in Schleswig-Holstein, has been using iMedOne® hospital information system from Deutsche Telekom Healthcare, the healthcare division of T-Systems since 2007 and has successfully transitioned from a "non-digital world" to a digital solution that can support clinical workflows and significantly accelerate data processing.

(Video in German with English subtitles. Please click "Settings" at the bottom right of the video to turn on English subtitles.)

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Sabine Fock, Head of the HIS/EPA team and Deputy Head of IT and Business Organization at Klinikum Itzehoe, speaks about the iMedOne® hospital information system from the perspective of the medical profession.

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Thorsten Schütz, Head of IT and Business Organization at Klinikum Itzehoe, talks about the iMedOne® hospital information system of Deutsche Telekom, its associated challenges, and starting points from an IT perspective for the future benefit of patients.

Itzehoe Hospital is one of the largest hospitals in Schleswig-Holstein and a teaching hospital of the universities of Kiel, Lübeck and Hamburg. With around 2,300 employees, including more than 200 trainees, the company offers innovative medical care to patients at a high level and individual care according to the latest standards.

Klinikum Itzehoe (german website)

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

URL: https://www.t-systems.com/de/en/client-portal

Omnichannel interaction for our customers.

Login with your existing access data.

Login

Interested?

Contact us now!

URL: https://www.t-systems.com/de/en/industries/automotive/topics/automotive-customer-experience

Digitally enabled customer journeys and refined solutions are the new battlegrounds for automakers

Research shows that 80% customers are ready to switch brands, dealerships, and service providers for better experience. Therefore, companies must have the resources to integrate digital experience connected to all aspects of customer touchpoints. Using primary and secondary data to rethink the offerings, change operational and business models with customers at the center.

of current value is dominated by the car's software and digital content[1]

of potential buyers will simply abandon the brand if experience does not measure up[2]

Customers value experience 3X more than then vehicle design in purchase decision[3]

of buyers are willing to pay more for a great customer experience■

Digital customer experience touchpoints and interactions are fast replacing the older traditional interactions. Mega trends in the automotive industry, shared mobility, autonomous driving, car leasing without ownership, etc. are forcing the OEMs to create new business models giving rise to challenges like:

Adapting digital technologies can enable OEMs, dealerships, and all stakeholders in the supply chain with a decisive competitive advantage.

OEMs, dealerships, and service providers need seamless interlocking systems with digitalized workflows to enhance their own productivity and deliver great customer service experiences. They need solutions that can give 360° view of customer with ability to integrate all customer touchpoints to create memorable brand experience, digitally enabled sales and service experience. T-Systems offers a solution stack to meet all these requirements and more with -

Enable business objects (e. g. vehicles and deliveries) and their process flows to be graphically

displayed and analytically evaluated in real-time.

If you want to provide shared information for internal and external access, e.g. product and marketing information, then use our central platform.

This highly scalable and configurable system supports the creation and management of sales advertisements on online vehicle exchanges such as Mobile.de and Autoscout24.de.

Our web-based service makes it easier to design sustainable vehicle fleets by recommending possible vehicle constellations based on predefined parameters and displaying potential CO_2 savings.

Make images stand out by customizing them and turning them into eye-catchers for customers.

With our app, you can find the best recycling option for used vehicles from an ecological and economic standpoint.

Together with partners from the VW dealer environment, T-Systems is currently investing in the successor system to Vaudis and in doing so is setting new standards in product development. In close collaboration with retailers, VaudisX is being gradually developed in design workshops. The design of the interfaces, features, and user interfaces are all discussed with the customer. With VaudisX T-Systems is offering VW retailers a continuous DMS with an intuitive web user interface as well as open interfaces. The lean core of VaudisX can be expanded with market and brand-specific systems. To this end, VaudisX offers a completely new interface architecture for quickly connecting with existing or new systems. This includes a tablet-based chat in which a customer service adviser determines and documents the condition of the customer's vehicle directly at the lifting platform.

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

[1] Toptal Insights "How software will dominate the automotive industry", 2020, www.toptal.com

[2] Smoke Customer Intelligence "7 opportunities to differentiate through CX in the automotive industry", 2021, www.smokeci.com

[3] Smoke Customer Intelligence "7 opportunities to differentiate through CX in the automotive industry", 2021, www.smokeci.com and Deloitte "Automotive customer service becomes a relationship-based consumer experience", 2021, www2.deloitte.com

■ PWC "Experience is everything: Here's how to get it right", 2021, www.pwc.com and blog.clerk.io

URL: https://www.t-systems.com/de/en/cloud-services/solutions/private-cloud/future-cloud-infrastructure

On-premises infrastructure, private cloud and public cloud on one platform, with little effort and needs-based costs

Cloud computing is part of the strategy of many companies – as the preferred operating model of business departments and corporate IT alike. In many cases, however, there are still legacy and on-premises systems that map critical processes and cannot simply be replaced. This is why CIOs are posing the question: how can IT be modernized in the direction of "cloud-native" without jeopardizing ongoing operations or going over budget?

It couldn't be easier: Use up to 100 virtual machines in the private cloud and benefit from 15 days of free consulting or technical support. Try Future Cloud Infrastructure now for 4 weeks.1

This offer is aimed at new business customers (no resellers or partners) in Germany, Switzerland, Austria, Spain, Nordics, Netherlands, France and North America. The prerequisite is that the customer already uses VMware stack (more than 800 VMs). Costs are only incurred when the customer places an order. From the 5th week onwards, the free use expires automatically.The test environment includes a Software Defined Data Center (SDDC) consisting of a cluster. If there is no upgrade to a production SDDC, the test SDDC including all data will be deleted after 30 days. If the customer continues to use Future Cloud Infrastructure, additional fees (as specified in the contract) will then be charged. Minimum contract term 12 months.If the contract is not terminated in due time, it is automatically extended by one year. All prices quoted are net prices per month plus statutory VAT.

"Digital transformation is not possible without consistent IT modernization" – a central finding of a recent Lünendonk study*. According to the study, more than two-thirds of users see "connecting cloud solutions to existing IT systems as a challenge". The main reasons they cite are poor compliance and security requirements and lack of interoperability. The IT landscapes have grown historically, the systems are hardly synchronized with each other. The exchange of data is only possible with difficultly, if at all, which slows down digitalization projects and puts data controllers under enormous pressure to act.

* Source: Fit für die digitale Transformation – Status quo und Ziele bei Legacy-Modernisierung und Cloud-Migration, Lünendonk

Do you also need to manage a heterogeneous on-premises cloud infrastructure? Our technology partners explain how.

With the Future Cloud Infrastructure, you can bring IT systems together on one platform and reduce the complexity of your IT landscape at the same time. The managed private cloud service bridges the gap between legacy and on-premises systems as well as private and public clouds. This offers numerous added values: you can use a highly secure private cloud environment with the look and feel and all the features of the public cloud. This includes agility, flexibility, cost transparency, and speed, but also maximum security and data protection compliance. The future cloud infrastructure can be used as part of a hybrid cloud in your company's data center or in T-Systems' twin-core data centers.

This accelerates and simplifies your IT operations – securely and reliably, with less effort, less complexity, and at costs that are in line with your needs. Because – as is typical for the cloud – in the as-a-service model you only pay for the resources you need and use at any given time.

Once procured, license costs for software are quickly forgotten about. One reason for this is a lack of transparency. Using our "Private Cloud Appliance" service can change this. We work with you to analyze your license situation for all your Oracle applications and show how you can massively lower the license and operating costs for Oracle while keeping the same capacity.

Our secure and certified private cloud appliance is available for your Oracle applications and databases. This allows to you to flexibly roll out and manage your applications and combine them with other applications.

More than 301,000 US dollars loss within 60 minutes: that's how much a one-hour server outage would cost estimate 91% of the respondents in 2021 in a research on server reliability**.

No wonder that stable IT operations is one of the most important challenges for IT decision-makers. However, the trend towards using different clouds in combination with legacy and on-premises systems makes IT management complex and infrastructures more susceptible to disruptions.

The solution: smoothly interlocking processes. Applications must be able to be moved securely from one infrastructure platform to another, and resources must be easy to allocate and remove. In the Future Cloud Infrastructure, these processes run completely automatically. Your advantages:

** Source: ITIC 2021 Global Server Hardware Server OS Reliability Report, Lenovo

A veritable flood of applications is rolling towards us: according to IDC, by 2024 more business applications will be rolled out than in the past 40 years thanks to the greater number of developers and agile methods. This also affects the underlying IT infrastructure, which must be expanded accordingly in the companies. The result: a complex mix of owned IT infrastructure and various cloud offerings.

Reduce complexity and bring all operating models together in the Future Cloud Infrastructure – be it legacy IT, hybrid clouds, or multi-clouds:

Design and operate a flexible, easy-to-use IT landscape with the Future Cloud Infrastructure. Our experts will be happy to answer all of your questions.

Although the legislators were still reluctant to impose penalties after the final entry into force of the GDPR in May 2018, they are now punishing violations with a strict hand. Fines amounting to millions are no longer a rarity.

Regulatory requirements do not stop at infrastructure operations, such as when it comes to processing sensitive customer data. How to make IT operations compliant with the rules and regulations:

Regardless of whether the future cloud infrastructure is located in your data center or a T-Systems data center – we rely on a strong partnership approach and work with leading manufacturers to support you with current and innovative technologies. Our most important partners are:

Would you like to know how the Future Cloud Infrastructure can help you move your IT towards the cloud, ensure stable operations, and keep costs under control? Then get in touch.

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions/multi-cloud-for-sap

Control workflows with SAP S/4HANA in real time, and dependably manage data, systems and applications with the cloud.

Companies benefit from SAP S/4HANA as a platform for digital transformation. Cloud solutions and services help when starting out in intelligent technologies such as analytics, internet of things, AI, or machine learning. When it comes to automated workloads, the right mix of private, hybrid, and public cloud and in-house infrastructures – and thus the need to manage and align several platforms in parallel – is crucial.

T-Systems is there to support companies with the right methods and tools as well as experience and expertise in order to sustainably modernize IT infrastructures and SAP-ERP landscapes. As part of our cloud-first strategy, we have already been successfully supporting companies for more than twenty years on their road to greater performance. Our cloud experts are offering cloud solutions tailored to the needs of the markets: from in-house private cloud solutions, which are hosted in German data centers, to our ecosystem which incorporates digitalization partners such as Microsoft Azure, Amazon Web Services, or Google Cloud.

T-Systems also realizes hybrid scenarios: these allow the linking of various SAP installations (private/public), the incorporation of data from SAP-external data sources, or the integration of third-party applications, such as Office 365, Teradata, Hadoop, and Oracle Exadata with SAP. Companies can also use this to link production lines with SAP systems. T-Systems offers:

By operating SAP applications in the public cloud, companies save costs and significantly reduce the total cost of ownership (TCO). At the same time, you can quickly react to changes in the market with flexibility and press ahead with innovations. T-Systems offers agile hyperscaler solutions which allow SAP applications to be used flexibly from a public cloud at any time. The predefined SAP software appliances are prepared in the same operational quality as on a private cloud – as certified managed SAP PaaS, GDPR compliant, and with pay-as-you-go pricing models.

SAP transformation is constantly increasing in importance. The white paper provides insights into managing costs during SAP S/4HANA and AWS cloud migration.

Businesses need a reliable, secure hybrid cloud environment that includes the right public and private cloud components in addition to their own infrastructure components. T-Systems helps assists with the management of complex SAP landscapes and business-critical applications on a standardized, highly secure private cloud. Our complete packages (Full Time, High Availability, Disaster Recovery) and usage-dependent pricing models reduce SAP operating costs by up to 30 percent. The most up-to-date security technologies in our data centers offer maximum data security and comprehensive data protection.

Tomorrow's climate goals cannot be achieved with yesterday's technologies. We help companies to implement sustainability solutions such as Multi-Cloud for SAP as well as Product Footprint Management and SAP S/4HANA.

#Green Magenta

Get advice on which cloud would be the best fit for your business model and your SAP landscape. Drop us a line.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/private-cloud/vmware-managed-services

You want to move workloads to the VMware Cloud - securely and fast? We show you how.

Loads of applications still run on established VMware technology in owned data centers. Their destination is clear: the cloud. But how can these workloads be migrated easily? How can workloads in a multi-cloud universe be managed efficiently? VMware and T-Systems provide a comprehensive set of tools, methods, and services to safeguard a smooth, fast, and risk-minimized cloud migration and operation, irrespective of wherever your cloud journey might lead to.

A strong VMware ecosystem provides everything you need for your cloud journey. Starting with a unique migration methodology and toolchain, applications move to the cloud cost-effectively and in a risk-minimized manner benefitting from a holistic security architecture. Receive a unified management plane that automates delivery, optimizes resource consumption, provides observability and insights on any cloud, be it private, hybrid or public. Enable container usage as well as application modernization by embracing cloud-native methodologies. Check out our Center of Excellence of VMware and T-Systems.

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Existing systems are still a major hurdle on enterprises' way to the cloud. The VMware ecosystem offers a broad range of services, products, methods to easily pave your way into the cloud. In the VMware Center of Excellence, T-Systems and VMware bundled their expertise for migration, cross-cloud management, application modernization and security to provide a holistic service suite for legacy moving to the cloud. Check out our video.

You want to move workloads to the cloud? Here is the methodology that VMware recommends.

The easiest way to transform your application landscape: Use your VMware technology and know-how.

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/sovereign-cloud/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how our sovereignty solutions are used to increase flexibility, productivity, efficiency and quality.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Discover how T-Systems helped metal supplier MCB with their cloud migration.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

The 5G campus network enables the use of automated guided vehicles.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

The founders of Sosias Data set the course for growth.

The State of Brandenburg relies on T-Systems for SAP application management.

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

T-Systems driving business innovation for Cargodian with AWS consulting and solutions.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/application-value-management/solutions/managed-container-stack

Secure container platforms for enterprise efficiency and reliability with comprehensive coverage of all managed Kubernetes scenarios and 24/7 support.

Our Managed Container Stack (MCS) enables the operation of containerized applications and middleware on any private or public cloud platform. Customers can choose to run the managed Kubernetes platform for container orchestration on the basis of either Red Hat OpenShift or SUSE Rancher. With support available 365 days a year and a defined service level agreement, companies are benefitting from the highest level of reliability.

In contrast to the Kubernetes services offered by hyperscalers, the Managed Container Stack provides a series of integrated services that are typically necessary for productive use. Based on open-source software, services for logging, monitoring, backup and restore, and container registries with vulnerability scanning are ready for immediate use. Customers have the flexibility to use their own tool stack or the services provided for their applications.

Our MCS is based on security-approved components and cloud architectures that have been tested according to T-Systems' stringent standards. The platform is preconfigured and ready for use as production environment. We can build upon the know-how and best practices acquired from operating hundreds of customer projects since 2015. In order to meet the highest security standards, our solutions are BSI:C5 and SOC 2® compliant.

Our professional services team can help you get the most out of Kubernetes by providing expert guidance, design, and implementation services. We offer Site Reliability Engineering (SRE) expertise to ensure the availability, scalability, and performance of your Kubernetes infrastructure. Whether you are just getting started or looking to optimize an existing

deployment, we can help you achieve your goals quickly and efficiently. Our team of CNCF-certified Kubernetes experts have extensive experience working with a wide range of industries and can help you design and implement a solution that meets your specific needs. We can help you succeed with Kubernetes.

Developers value flexibility: companies can choose between a managed service or a self-service model. The self-service model enables cluster creation and integration according to customer preference, while T-Systems can manage production environments with the managed service model to guarantee SLA and support.

Your company clusters can be distributed across private and public cloud infrastructures. MCS can be set up on virtually any infrastructure – in line with T-Systems security standards and with consistent user administration.

Our solution design team will be happy to prepare an individual and competitive offer for you.

URL: https://www.t-systems.com/de/en/sustainability/topics/sustainable-future

Rethink the system: Growing digitally and investing in sustainability at the same time

Sustainable transformation is an important focal topic for nations, companies and citizens. But how can we develop and build our future with limited resources? In order to achieve a more sustainable future, by 2030 the EU wants to reduce CO■ emissions by 55 percent compared to 1990 levels. Companies are also called to act more sustainably. T-Systems supports this with innovative ideas and technologies on the way toward net zero.

The European Green Deal provides the EU with a comprehensive set of measures for the protection of the climate and the environment in business and industry. These include new regulations on sustainability reporting. Significantly more companies will be required to submit reports from 2023 onwards. As an experienced IT provider with in-depth sector and industry expertise, we don't just act sustainably ourselves. We rethink the status quo in order to actively promote future changes. Together with our customers, we face ecological challenges and implement their ecological goals using sustainable digitalization.

Consumers are becoming more sustainable in their purchases, and climate protection is becoming a key factor in choosing an employer: a new mindset in society is requiring companies to rethink. Stakeholders today expect a genuine commitment to sustainability. And investors prefer to invest in sustainable developments and projects. This is a matter of urgency, as new technologies are the only way to achieve the energy transformation and the net-zero target. There is also a demand for transparency and independence from suppliers in order to make the circular economy flexibly sustainable.

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Green - With a net thats leads the way! | Sustainability | Deutsche TelekomBy 2025, Deutsche Telekom will reduce all direct and indirect emissions in the company to zero. And by 2040 at the latest, Deutsche Telekom will be completely climate-neutral along our entire value chain. By 2025, we will be climate neutral in corporate emissions.Learn more:

https://www.green-magenta.com/en/green/#GreenMagenta

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Why corporate sustainability is important for T-Systems"We aim to be a leading sustainable IT-provider and make a significant contribution to lowering CO2-emissions, by speeding up our clients' digitalization journeys. […] Let's serve the whole society. We won't stop until our sustainable ICT-services are a winning argument for our clients – and the environment."Adel Al-Saleh, CEO T-Systems, December 2020

Striving for Sustainability: HannoverMesse 2021Sustainability in a digital world - Harness the power of digital to reduce your carbon footprint Steffen Roos explains in his presentation at the Hannover Messe 2021 how a sustainable digitalization strategy can help companies on their own path to better climate compatibility and sustainability.

Digitalization as a booster for sustainability! In this trend book, you'll learn how digital technologies can help you to reduce energy consumption, use resources more efficiently, and optimize supply chains.

In order to meet global sustainability goals, new technologies and service models are required, as well as materials and products that promote a low-carbon circular economy. We as an IT provider can accelerate this change with holistic digitalization that minimizes the negative ecological impact of corporate activity. For instance, by leveraging the potential of Industry 4.0 or smart logistics. Or help to implement sustainable offers with the digitalization of business models using platform economies, concepts for sharing, or the intelligent use of resources.

Rethink the system: With climate-neutral cloud and data-based analyses.

Rethink the system: Thinking and shaping innovations sustainably with customers and partners.

How we become a climate neutral company, and how we support clients in their sustainable digital transformation.

It's not just virtual hives that benefit from digital image recognition: it can be used in many industries.

The Digital Guardian Angel helps to make cycling in the city safer and more attractive.

Cross-sector data ecosystems and data transparency support OEMs or suppliers to comply with complex requirements.

Sovereignty alone is not enough. Cloud services must also be sustainable. Only then are they fit for the future.

T-Systems is switching its global business fleet to electric from 2022.

Because we have to go green: we support you on your way to becoming a sustainable company with innovative ideas and technologies. Get in touch!

URL: https://www.t-systems.com/de/en/analyst-ratings/security

With 'Magenta Security', T-Systems sets the standard for security services for large companies in Germany

The Information Services Group (ISG) sees T-Systems as a leading provider of security services for large accounts.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/5g-campus-networks

Successful with high-speed thanks to a local 5G campus network

5G is more than just a further technological leap for the network of the future. The future mobile communications standard and successor to LTE Advanced will make the mobile communications network more powerful than ever before. What is also to be considered: the Internet of Things (IoT) presents companies with major digital challenges.

According to IDC forecasts, around two billion internet-connected smartphones will be in circulation in 2020. Depending on the forecast, there will be in addition to this, up to 50 billion connected devices, cars, and machines, the majority of which will be in production. These connected devices all communicate with one another, with the cloud, and with users. This is, above all, of great significance for smart factories in Industry 4.0. In the smart factory, self-driving robots transport components from station to station. Machines report the deterioration of their components in sufficient time before they break down in production. Service technicians in the intelligent factory identify defective parts in seconds using augmented reality.

Experience new edge digitalization of intralogistics with T-Systems' 5G autonomous logistics solution.

To facilitate all of this, the network connection between the networked "things" and the backend server must correspond to the requirements of the applications. Data for remotely controlled machines has to be transmitted extremely quickly and reliably. In addition, a smart factory needs a network that simultaneously supports a high number of terminals. And all of these requirements are also increasingly becoming mobile – as a result, radio connections instead of classic cables become more important. The current mobile communications standard, LTE Advanced (4G), meets these manifold demands with data rates of up to 1 gigabit per second, latencies of about 20 milliseconds, and connectivity for up to 10,000 devices per square kilometer.

The mobile communications standard 5G will offer in the future even higher bandwidth

compared to UMTS, LTE (Long Term Evolution), and LTE Advanced (4G), the mobile communications; the data transfer between base station and connected device is therefore carried out significantly quicker than on the LTE network. The combination with edge computing additionally provides a significant acceleration of response times, which is particularly important for time-critical applications such as self-driving transport systems and, for example, future machine controls. The technology transfers the data analysis from a remote cloud near the base stations. If two devices communicate with one another over the mobile communications network within range of one of these base stations, this shortens the data transfer distance, and the number of intermediary network components is significantly reduced. This also reduces the transfer time (latency).

The term 5G doesn't just conceal a fast wireless protocol. In contrast to LTE, the mobile communications standard of the future has new, intelligent features in the mobile communications network. "5G is a complete ecosystem consisting of many sub-components," says Michael Einhaus, professor at the University of Applied Sciences in Leipzig.

Thanks to intelligent network slicing technology, several virtual networks can be installed on the same physical network infrastructure. In this way, data from each application class is transferred over its own virtual mobile communications network which has been specially optimized for this application class. This stops other data streams from interfering with them and each application can be set up with the most optimal network functionality. This is critical for the success of many applications – and is usually not possible with Wi-Fi.

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Together with Ericsson, Telekom offers solutions for industrial data traffic. Data intended for the operational processes remains on the factory premises. Data directed to the customer goes where it is needed.

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Find out, how the technology of network slicing can run for example a private slice of a 5G network and the public 5G network in addition to that.

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In this video you can see how a 5G stand-alone network works, live from the Center Connected Industry (CCI) in Aachen.

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our privacy policy.

See how a campus network supports the BMW factory in Leipzig regarding flexibility and automation.

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In its smart factory, the company Osram is remotely controlling robots for the production of its lighting products. The first campus network of its kind is making this possible. Osram is operating this together with Telekom. An IoT example for the Industry 4.0 smart factory in which robots communicate with one another over the internet.

5G campus networks combine advantages of public and private mobile networks.

The majority of networked "things" in Industry 4.0 are still communicating at close range over Wi-Fi. But the technology is reaching its limits. At the same time, the transmission quality of wireless communication is improving. T-Systems is taking advantage of this and offering companies 5G Campus-Networks as a Managed Service.

As part of the 5G Campus-Network, Deutsche Telekom is offering its customers a private, local 5G network, completely separate from the public mobile communications network. Industry 4.0 companies therefore have exclusive use for their smart factory. To implement this, Telekom installs additional wireless technology on the company's premises.

In addition to setting up and operating the local infrastructure with higher bandwidths and extremely short latency periods, T-Systems ensures the quality of demanding wireless connectivity. After all, reliable, fast, and secure data transmission is critical to the success of many IoT applications in the smart factory.

Depending on the selected service option, the data from the private wireless network on site is transferred directly to a campus edge cloud or the local company network with very minimal latency. It is then transported to an operator edge cloud in the mobile communications network close to the site. Alternatively, the data can be sent encrypted over the internet to the company's Wide Area Network.

Employees and visitors to the premises also benefit. At the smart factory site, they receive significantly better speech and data communication reception compared to LTE. External service providers and suppliers can likewise connect via the public network. This allows, for example, system maintenance to be carried out. If necessary, the company can additionally secure this connection using special software. 5G campus networks are therefore the ideal solution for mobile communication in the smart factory. They are likewise suited for modern Industry 4.0 intralogistics and can generally be applied anywhere where performance, range, and security requirements exceed the scope of the existing networks.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

What features does 5G have? When will the new mobile network be launched? And which

applications will benefit from it? Read all the news and background information on the next generation mobile communications standard in the 5G topic special.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/industries/public-sector/topics/digital-sovereignity

Digitalization is the order of the day, but digital solutions must also fulfill sovereignty aspects

Digital technologies pave the way to the future for businesses in the economy and for public administration. Federal administration, federal units and municipalities try to avoid IT dependencies to a large extent when using IT, which is why Europe is increasingly relying on the use of sovereign technologies, in terms of both software and infrastructures such as the cloud.

Digitalization undeniably has the potential to solve many of the pressing challenges in public administration. Digital processes facilitate work in administration, relieve the burden on employees, and simplify interactions with public authorities for citizens and companies. And the possibilities are increasing every day: Artificial intelligence can take over many manual tasks and perform them much faster and more reliably than humans. Automated digital processes from the cloud accelerate workflows.

Do you want to digitize while retaining maximum sovereignty? Talk to us.

But it's not just about innovation and flexibility. Digital solutions also need data sovereignty as well as the highest possible transparency and future viability – even if modern cloud solutions and cloud services are used. Digital sovereignty has different faces, however, and sovereignty can arise in a variety of ways: The choice of sovereign clouds offers powerful platforms for development and operation, but the use of open standards, interoperability or encryption technologies also makes contributions to digital sovereignty.

Last but not least, reliable national partners are a core element of digital sovereignty for the public sector. Partners like T-Systems, which offers its own digital solutions and platforms made in Germany, but also taps into opportunities from market-leading innovative ecosystems from the United States. With our partners, we are opening up hyperscale clouds in a sovereign mode for Europe – and with them the digitalization of administration.

URL: https://www.t-systems.com/de/en/careers/students-and-graduates/trainee-program-start-up

The individual program of Deutsche Telekom Group in Germany in which you actively shape your project assignments according to your interests.

With our individual trainee program, you can find exactly the field that suits you. In just 18 months, you will get to know our corporate group in Germany in up to five project assignments (including one assignment abroad), you will network within our community and work in challenging projects.

Have we awoken your interest? Find your trainee entry in Germany now.

As a trainee with us, you can choose to focus on one of the following:

Our 18-month trainee program begins every three months, giving you flexibility over when to start. Within a short period of time, you will get to know our working world and develop your own ideas and projects in the trainee community. Regular discussions about knowledge and experiences as well as individual training sessions and workshops give you room to develop personally. You will gain new impressions and perspectives during your three-month foreign placement in one of our subsidiaries in Europe or worldwide. After completing the trainee program, you are ready to take on a position of responsibility within the Group.

Our infographic shows you the program's schedule in detail.

Are Technology and innovative IT solutions what you're passionate about? Are you full of drive? Do you like to be challenged, are you curious and do you have the courage to think differently and set things in motion? Great, then we offer exciting topics in fields such as Smart City, Internet of Things (IoT) and IT Security, which will have a lasting influence in the digital future.

We welcome international applicants who speak fluent English and B1-level German.

You can submit your application for the trainee program at Deutsche Telekom throughout the year. To be on the safe side, we suggest that you submit your application at least four months before your planned starting date.

The application for the trainee program is made online, directly via the job description. The application should be as carefully prepared as possible so that we can form the most authentic impression of you right from the very start. For instance, we are interested to learn why you would like to work for Deutsche Telekom and what you expect from us.

We would also like to learn about your skills. This includes your qualification, practical knowledge, and international experiences that could be relevant for your desired position at Deutsche Telekom. Are you involved in social projects or have you even done some of your own projects? Then you must tell us more about them! This helps us immensely to gain an insight into your personality.As an alternative to a conventional application, you can tell our recruiting team more about yourself as part of an exposé. This is an opportunity for you to make us curious with interesting facts that you couldn't include in your CV. Important: The exposé is entirely voluntary.

Once we have received your application, our recruiting team will begin to view your documents. We gain an insight into your skills and professional qualifications. However, we believe it is very important to learn more about your personality.

We require around two weeks for this process. You will then receive a response from our recruiting team.

Hiring day is the core of our recruiting process. In a single day, you will decide on your future at Deutsche Telekom.

All done! As a trainee, you are now part of Deutsche Telekom and can get ready for interesting professional challenges. Of course, the decision as to which quarter you will join us is as individual as the trainee program itself.

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Do you have questions regarding the trainee program in Germany?

I am happy to help.

Recruiter Trainee Program Start up!

URL: https://www.t-systems.com/de/en/industries/public-transport

Our digital solutions improve reliability, efficiency and environmental sustainability of public transport systems

Passenger safety and comfort have always been the top priority of public transport companies. To regain momentum in public transport, it is of utmost importance to increase the capacity of the whole system and to further drive multimodal transportation. Our products precisely do that. They enhance the overall digital and physical mobility experience of our passengers. We extend our services beyond mere transportation, encompassing railways and urban city transit systems.

Achieving ambitious public transport growth efficiently needs careful planning. Explore key trends, actions, and digital innovations for smart, sustainable transport.

Efficient digital infrastructure is the backbone of modern public transport systems, ensuring seamless connectivity, real-time data management, and enhanced operational control. Here's how we leverage digital infrastructure to build a reliable foundation for the future, improving the overall quality of service and passenger satisfaction.

Digital change is changing public transport. IoT, AI, and data help transportation businesses optimize routes, monitor vehicle performance, and improve fleet management. Our solutions boost operational efficiency, lower expenses, and protect the environment.

Public transport depots are transitioning into digital hubs where predictive maintenance, remote monitoring, and automated repair processes are becoming the norm. Know more on how by adopting digital depot solutions, transport providers can minimize downtime, extend the lifespan of vehicles, and ensure safer and more reliable services for passengers.

The passenger experience is paramount in today's transportation landscape. Mobile apps, contactless payments, and real-time updates empower passengers with convenience and information. Learn how by embracing digital passenger experience solutions, transport authorities can attract more riders, increase satisfaction, and build a sustainable future for public transportation.

Over the course of the last decade, we worked closely with our customers and partners to develop a service portfolio that reflects current technological trends and truly energizes public transport. It consists of three main pillars:

Our portfolio serves the needs of big players of public transport as well as regional rail and bus companies.

Driver-less automated buses could help relieve the emissions pressure and make travel cost-effective.

Networked mobility with central data management that is mandatory by law offers a way out of the problems of public transport in terms of overcrowding and searching for connections.

T-Systems and Goal Systems enter partnership.

Innovation against climate change.

GeoMobile bundles transport services onto an IT platform for barrier-free mobility.

Reach out to us today to discover how our expertise can empower public transportation companies in navigating their digital, cloud, and security challenges.

URL: https://www.t-systems.com/de/en/disclaimer

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URL: https://www.t-systems.com/de/en/about-t-systems/in-focus/chief-tomorrow-officer-439178

Let's shape the future together!

Who could have a better answer to this question than the generation that is affected by it – Gen Z. Therefore, we at Deutsche Telekom and T-Systems started the Chief Tomorrow Officer journey. Find out now what a CTO does, what requirements they should have and how you can become one or find one for your company.

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The best way to predict the future is to invent it! That is why we at T-Systems listen to those to whom the #Future belongs. We listen to the #QuestionsForTomorrow that #GenZ are interested in and together we solve these questions to get ready for our Future. Find out more about the CTO Questions in this video.

Chief Tomorrow Officer is not a job in the traditional sense – we use it to describe a new generation of leaders who are positive, forward-thinking, and exert influence across divisions in the company. The job of a Chief Tomorrow Officer is to encourage employees to find new solutions by asking pressing and challenging questions. These questions have short-term relevance, but also lead to long-term change.

We believe in people who ask big questions that have the power to unlock the potential of the future.

Then you've come to the right place! In this section you will find all the information how to become a Chief Tomorrow Officer.

Also, be part of our Tomorrow Board community and join fellow Gen Z to challenge the status quo and to share your views about the future@Deutsche Telekom.

What to expect after submitting your application?

After submitting your application with your #QuestionForTomorrow, we go through 4-phases to ensure we select the best leaders for tomorrow in our Chief Tomorrow Officer Program. Your #QuestionForTomorrow should be related to one of Deutsche Telekom working areas such as:

We're hiring

After applying, you will go through these 4 phases

This community of fellow Gen Z inside and outside of Deutsche Telekom comes together on a regular basis to discuss topics that have an impact on the environment, organizations, and our society. With the diverse set up the Tomorrow Board Community creates innovative concepts for the future led by our CTOs holding office.

Get a sneak peek of our up-and-coming green application to reduce your office building's environmental impact quickly.

A sedentary lifestyle is linked to many health problems. Learn about MagMoves and join us on a journey to better health.

As one of the biggest drivers of CO_2 emissions, it´s time to rethink and seize opportunities with green IT and mindset.

Corporate sustainability is not just about being green. So, what should the workplace of the future look like?

In 2022, companies are operating in a highly competitive climate. However, rather than developing new ideas and expanding into new industries, organizations are concentrating on their present areas of expertise.

Combining the Blockchain Technology with IoT offers a lot of opportunities in the mobility sector.

While companies are fighting for suitable talent, the upcoming generation does not know what will await them on the job market, what they can expect, and what is required. How can these two problems be approached and solved together?

Who are our Chief Tomorrow Officers, and why were they cycling around one of Europe's biggest science centers?

What makes a superb customer experience (CX), what turns customers off, and how can you create a winning CX strategy?

Get your company ready for Gen Z and their #questionfortomorrow! We can help you to establish your Chief Tomorrow Officer program and build a community of Gen Z that helps your company to become futureproof. The right time to start is NOW.

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/topics/digitalization-for-utilities

How utilities companies are embracing renewable energy safely, effectively and in line with modern consumers' needs

With production facilities that can last 40 years, a high cost of installing new infrastructure, and heavy regulation, the energy industry has historically been slow to transform. But this is not the case anymore. Established industry leaders are heavily engaged in key transformation objectives, including emission reduction and digitalization – and using them not just to become sustainable but to create entirely new business models and services.

The primary driver of energy transformation is our global need to switch to renewable, non-polluting power sources. Cost is no longer a factor here: wind and solar have achieved 'grid parity' in many areas, paving the way for a full-scale transition.

Sustainability is now a strategic issue for utilities companies. They are going beyond installing individual solutions: they are also investing in dispatchable technologies that enable consumers to reduce their carbon footprints and decarbonizing production. Implementing these technologies can save energy and optimize grids to minimize wastage.

Transformation is also accelerating at household level. Consumers are steadily turning into prosumers, generating their own energy as well as consuming it from the grid.

Suppliers need to be prepared to manage this bi-directional network, which is far more complex in nature than a traditional model. Resilience and flexibility are the keywords. But they also need to acknowledge that this deepens the customer's need for a complex, multi-touchpoint relationship rather than a basic linear one. Suppliers need to meet this need with a suite of instant and automated services, from price estimation to payment.

Once, we only knew how much energy people used in total. Now, with bi-directional flow and smart meters, we know when and how energy is produced and used, and what patterns of supply and demand exist.

How can this data be combined, analyzed, and used to its full potential to deliver a more efficient

and reliable grid on the one hand, and insight into customer preferences and business opportunities on the other?

Additionally, how is this data kept private and secure? And what sovereignty regulations must be followed?

These are the questions that must be answered as we enter the age of Big Data

Amid these seismic shifts, the role of Europe's leading energy companies is changing. As the market diversifies, their business models are also diversifying. They are expanding into new business areas such as mobility and security, leveraging their expertise in managing critical infrastructure.Companies are working with new partners outside their regular industry to achieve these new objevtives. Digitalization partners are enabling them to manage complexity, to optimize their operations, and to adapt quickly as the commodity energy market changes and becomes more sustainable.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Get advice straight to your inbox with our newsletter, full of best practices, offers, and digitalization trends.

How energy sector can secure its infrastructure against the growing threats? Also, discover Zero Trust Security Model.

URL: https://www.t-systems.com/de/en/migration-and-modernization

More and more organizations are unlocking the potential of a well-planned-and-managed cloud migration

If your organization is considering moving from on-premises to cloud-based IT, it is far from alone. The power of the cloud is more evident than ever: replacing legacy systems with efficiency, flexibility, and cost-effective scalability. But these benefits don't come automatically. It takes careful planning, expertise, and partnerships to master your cloud migration strategy.

With T-Systems by your side, you can realize the benefits of cloud migration, while we handle the challenges. In our white paper, we show you how to get the most out of the cloud for your business.

Cloud migrations can be a complex undertaking. Varying landscapes, cloud environments, regulations, processes, and people mean one cloud transformation isn't the same as the next. What kind of cloud migration plan and target cloud platform is best for your business? Read our guide now.

T-Systems bundles methods and processes for cloud migration and thus sets a new standard for company digitization.

You want to move workloads to the cloud? Here is the methodology that VMware recommends.

When charting your course to the cloud, what migration method should you choose for your applications?

When moving your applications to the cloud, what method should you choose?

What are your migration options, and does it always make sense to move your applications to the cloud?

Our cloud migration framework has a track record of delivering customer success in many different industries. Get in touch for a consultation on applying it to your organization.

URL: https://www.t-systems.com/de/en/application-services/topics/application-lifecycle-management

Our IT contribution assisting you throughout your applications' entire lifecycle

Introducing, operating, and developing SAP and other applications in the cloud is a regular challenge for many companies. The necessary tools, skills, and experience are often limited. Insufficient time and concerns over spiraling costs can also be barriers to improving services. This results in lost opportunities to optimize applications, deliver better user experiences, and enhance the customer journey.

From evaluating whether legacy apps are suitable for migration to selecting the right platform for application modernization, our portfolio of solutions, managed services, and microservices has you covered. With a focus on enterprise application services and efficient IT support, our strategic partnerships with providers such as SAP, ServiceNow, AWS, and Salesforce enable us to offer a genuinely holistic service aligned with best practices and incorporating the latest tools and technologies.

Our white paper lifts the bonnet on site reliability engineering (SRE), a proven methodology to automating IT operations tasks and reducing errors, and how it aligns with DevOps principles.

Whatever your challenges or current stage of IT modernization, we can wrap our application modernization and management services around your circumstances, needs, and ambitions.

Automation is not new, but historically, it has been restricted to specific, well-understood processes. But this is changing; now, it has a core role in shaping how organizations function across numerous areas. And then there is hyperautomation, connecting entire systems through an all-inclusive approach to automation. With hyperautomation, organizations can advance many goals, such as cutting operating costs and developing new applications faster.

URL: https://www.t-systems.com/de/en/success-stories/security/saarland

Authorities and the police use BSI-compliant encryption

In cooperation with T-Systems as well as security company Rohde & Schwarz Cybersecurity GmbH, Saarland is the first federal state to implement a modern, flexible, and comprehensive encryption of the state authorities in accordance with the Federal Office for Information Security (BSI). This encryption now allows classified information to be exchanged with the note 'VS-NfD' (classified – official use only).

With the new multipoint-to-multipoint encryption, Saarland is the first federal state in Germany to have a modern layer 2 encryption solution that meets the strict BSI provisions for the transfer of VS-NfD documents. The site-to-site encryption effectively prevents exchanged documents, data streams or emails from being intercepted by third parties. The concept is now considered a

blueprint for use in other federal states. Also particularly noteworthy is the fact that the users do not notice any performance losses caused by the integration of hardware in these boxes. The central management server in the data center of the police and of the IT-DLZ creates the foundation to be able to independently manage and operate the solution. T-Systems provides support services 24/7 – malfunctioning boxes are also quickly replaced at the weekend in the event of an emergency. "With this solution, Saarland is not just consistently implementing "cybersecurity first". It is also providing a template for Germany, showing how complete encryption of all the state's authorities can be implemented across the board," summarizes Ammar Alkassar, Authorized Representative for Innovation and Strategy and Saarland CIO. With the comprehensive encryption, Saarland has laid the foundation to implement its digital vision.

Digitalization in Saarland is not just an idea or an opportunity to improve people's lives. Digitalization is a management issue. Minister-President Tobias Hans has convened a Digitalization Council with experts that is responsible for monitoring Saarland's digitalization roadmap. New structures were specifically created at the Ministry for Economic Affairs and Labor in order to drive the digital agenda forward. "My vision is for Saarland to become the epitome of digitalization, cyber safety, and artificial intelligence with its Digital Saarland brand," explains the Minister-President of Saarland, which comprises around one million citizens. In the meantime, Saarland has passed one of the first milestones on the digitalization roadmap. As the IT communication of the state's authorities is uniformly and strongly encrypted, a secure foundation has been established on which further digitalization can be advanced.

With this solution, Saarland is not just consistently implementing 'cybersecurity first'. It is also providing a template for Germany, showing how complete encryption of all the state's authorities can be implemented across the board.

Ammar Alkassar, CIO for Saarland

The state data center at the IT service center (IT-DLZ) in Saarbru█cken processes huge amounts of data from public institutions every day. The redundant connection with 10 gigabit lines speaks volumes for the data traffic. Some of this data is confidential or for internal use only and some of it is personal – such as citizens' financial data. The current regulations stipulate that such data may only be transported within the state's network with a strong encryption. However, the BSI goes one step further and requires a specific, deep encryption in accordance with advanced standards. So this is not just a challenge for Saarland; it is actually an opportunity to demonstrate its capacities in terms of IT security. The existing IPsec-based encryption is to be replaced by a modern, high-performance encryption, thus raising it to a new level. This will create the foundation for further secure digitalization in the federal state.

Our experts can support you with the planning, implementation, financing, operation and maintenance of your security project. Don't hesitate to contact us!

In cooperation with hardware supplier Rohde & Schwarz Cybersecurity GmbH, the Saarland IT-DLZ developed a basic concept for the encryption solution. As the encryption and highperformance demands could not be met using software, the idea was to implement a high-performance hardware solution: the plan was to install an encryption box in each of the decentralized public administration sites and for the redundant clusters from the encryption boxes to be integrated in the redundant 10 gibabitlines in the central data center. The boxes encrypt all data traffic on the layer 2 level. This concept had to be implemented on two separate occasions: once for the police and once for the IT-DLZ with its connected authorities.

T-Systems came into play for the detailed planning of the concept and the actual rollout. T-Systems implemented the security measures. This not only included preparation and provision of support for the commissioning of the hardware boxes during the project, it also comprised the customization of them to meet the specific requirements of the state's data network and its authorities. After the original IPsec solution reached its performance limit, the layer 2 boxes in the data center provide a 40 gigabit encryption in the line speed which will also be able to cope with Saarland's increasing requirements in the medium-term. In addition to the general security management, T-Systems also designed and integrated features such as certificate management (users, devices) as well as the monitoring and logging of the new security platform. T-Systems is also responsible for the quick replacement of hardware and provision of support.

130 sites are currently being supported and an additional 75 sites will be added in the coming months. The solution is a highly-complex but equally flexible multipoint-to-multipoint layer 2 encryption. This means that not only the exchange of information between the sites and the central data center is secure; the sites can also communicate directly with each other with the highest security standards.

First-class security for Saarland with BSI-compliant encryption.

Saarland, with a population of around one million, is the smallest state in the Federal Republic of Germany – but it's big when it comes to digital innovations. With the brand 'Digital Saarland', the state government wants to make it the epitome of digitization, cyber security and artificial intelligence.

Visit website

URL: https://www.t-systems.com/de/en/strategy-and-consulting/solutions/technology-consulting

Furthering business performance and outcomes through digital technologies, analytics and operating models – with Detecon

Management of technology evolution and obsolescence to maintain an up-to-date technology portfolio and technology operating model is a major challenge technology leaders face. At T-Systems, together with Detecon, we understand this and address this problem through our technology workshops that help customers evaluate the latest technical advances, added value, and business impact, perform a cost-benefit analysis and take timely decisions.

With the development of new, digital business models, competition vectors as well as success factors are changing. We help customers simulate optimal scenarios, define customer value propositions and formulate optimum strategies to win in the market. Our advisory portfolio brings together the people expertise, tools and frameworks to evolve long and short-term strategies, ease organizations through a technology driven transformation.

We are here to help you formulate your digital strategy, provide implementation support throughout the project and after. Our flexible delivery mindset offers new techniques to implement business approach with digitalization. Get in touch!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/artificial-intelligence/solutions/telekom-data-science-platform

Managed cloud service based on open-source tools like Kubeflow and Jupyter plus enterprise

security and EU-based support

Do you want to bring the power of predictive analytics to your application? The Telekom Data Science Platform is an end-to-end platform for data science and AI development as well as production. It is built from community-driven open sources products such as JuypterLab and Kubeflow and was additionally extended and security hardened by T-Systems. We bring the platform to any cloud provider of your choice and operate it as a managed service based on our enterprise SLAs.

All product information and offers about Telekom Data Science Platform offer in one document.

With Telekom Data Science Platform, our experts will help you seamlessly build AI and ML models for data science easily on any cloud. Want to know how? Get in touch!

Our secure container platforms with 24x7 support cover all managed Kubernetes scenarios in the enterprise environment.

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/mainframe-and-cloud-transf

T-Systems offers companies end-to-end support in migrating their mainframe landscape to the cloud

T-Systems' services ensure flexibility, efficiency, and transparency in application landscapes. Business processes are automated independently of the existing infrastructure. The modernization of the system landscape is achieved in an infrastructure-independent manner with the help of smart technologies and tools.

Within large companies, over a period of many years applications are often developed which are connected to each other via various interfaces and managed by different providers. As the size of a company increases, the number of applications it uses across its various business areas also grows, and with this the complexity of the system landscape as well. Application Management & Modernization (AMM) from T-Systems offers companies end-to-end support, providing them the transparency they need when assessing their range of applications – covering both classic business applications and cloud solutions. Increasing time-to-market requirements in particular mean that automated processes such as DevOps and continuous integration/deployment are required. Automation of the requisite test stages is a core aspect of these technical solutions and is realized using various methods (BDD, TDD, MBT) and automation tools.

Digitalization of business processes sets industry giants on the path toward a cloud first strategy.

The high flexibility and scalability of application platforms and data access places major demands on the quality and reliability of mainframe systems. Many other systems are dependent on mainframe systems. Doing nothing is not an option.

A cloud first strategy is the right approach, with the maintenance of operational stability, smooth business continuity, and transparency for a future-proof and cost-effective modernization strategy. How to bridge the gap between mainframe and cloud?

Does the chosen cloud strategy in your company not always align with the situation in the

mainframe environment? Do you also notice the gap between mainframe and cloud? This white paper gives you guidance.

Today, a company's competitiveness is determined by the extent to which it has undergone the digitalization process. Flexible automation plans which can be implemented quickly are in demand.

Robotic process automation (RPA) and intelligent process automation (IPA) are the key to successful implementation of business process automation with minimal investment risk. This does not change the existing IT structure. End-to-end services on the basis of leading RPA platforms and ServiceNow are jointly opening up all opportunities for an agile implementation based on standardized methods and tools through test automation.

How companies can modernize business-critical legacy mainframes and future-proof their IT.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/partners/vmware

Together with VMware, T-Systems makes the planning and use of high-performance IT resources easier than ever

IT must remain flexible to assist companies in the best possible way in their response to fast-changing market demands.

With the right mix of VMware Software-defined Data Center (SDDC) technology, complemented by tailored Magenta Services from T-Systems, virtual resources can be provided on a hybrid platform: Performant and globally scalable, compliant and meeting the highest security standards. For VMs, Kubernetes and containers. We call this IaaS 2.0 powered by T-Systems.

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Flexible cloud resources to test applications or evaluate new features: Use our affordable test environment for 30 days without any further obligation and see the benefits of VMware Cloud on AWS for yourself.1

The test environment includes a single host SDDC. If there is no upgrade to a production SDDC, the test SDDC including all data will be deleted after 30 days.

Do you have a cloud strategy in place, but legacy systems are slowing down the transition? How to modernize your IT without wasting time and money.

Expand capacities from the private cloud simply and securely with a cloud solution using IT infrastructures virtualized by VMware technology.

Flexible, simple, and fast: migrate to the public cloud with VMware Cloud on AWS

URL: https://www.t-systems.com/de/en/iot-and-edge/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

T-Systems is supporting the state of North Rhine-Westphalia in digitalizing its fire and rescue services' control centers.

T-Systems brings manufacturers and suppliers into the automotive industry's data ecosystem.

ServiceNow dedicates its growth trajectory to T-Systems' diligent business methods.

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

Stable SAP landscapes and maximum performance are crucial for success. Why SAP Application Management is the basis.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

Learn from our IDC, Intel, AWS & T-Systems experts on how to build a digital strategy.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/newsroom/news/t-systems-named-aws-offering-leader-by-industry

ISG Provider Lens™ – AWS Ecosystem Partners 2023: Leader in Consulting, Migration, Managed Services, and AWS SAP Workloads

Analyst ISG has recognized T-Systems in its Provider Lens™ analyst report on AWS ecosystem partners. Deutsche Telekom's business-customer IT affiliate achieved the top "Leader" status in four of the five categories in the report. The categories were Consulting, Migration, Managed Services and SAP Workloads.

T-Systems' distinct strengths include an unwavering commitment to security, extensive multi-cloud expertise and its trust advantage as a German provider. The highest "Leader" status confirms T-Systems' proven track-record in providing holistic guidance to customers for their AWS Cloud needs: From migration to the cloud, managing operations and leveraging its targeted industry knowledge for consultancy services, as well as decades of experience in SAP applications, T-Systems is a reliable partner for its customers. The Telekom affiliate also offers a well-established Cloud Migration Framework, as well a comprehensive end-to-end portfolio,

extending beyond AWS into multi cloud environments. The independent consulting firm ISG regularly compiles the Provider Lens™ benchmark report. For the current edition, 47 well-known AWS providers on the German market were examined.

We're very pleased to be recognized once again as an AWS Leader by ISG. We see this as recognition of our commitment to security and our deep knowledge of our clients' industries.

Helena Herselman, Vice President AWS Powerhouse at T-Systems

In the report you will find a comprehensive presentation of the providers of AWS services in the German market.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/public-transport/topics/public-transport-infrastructure

Experience seamless digitalization of infrastructure and vehicle operations with our comprehensive 360° solutions

The future of mobility depends on efficient digital infrastructure. A robust digital transport system enables real-time data sharing and integrated transportation modes for efficient travel. This reduces congestion, enhances safety, and supports emerging tech like autonomous vehicles and smart cities. T-Systems drives innovation in public transport digital infrastructure through cutting-edge digitalization and technology.

In today's context, railway infrastructure plays a crucial role in ensuring efficient, reliable, and sustainable transportation. Explore how T-Systems can assist you in navigating the complex realm of public transportation and digital infrastructure technology. We excel in providing comprehensive solutions like precise positioning of assets in depots or on track, and IT/OT security consulting to optimize infrastructure design and performance. Our services also cover platform management and operations, tailored to the unique needs of rail operators. Partner with us to embrace the latest innovations and elevate your public transport network to new heights of performance and security.

A digital train station gathers and analyzes data in real-time, enables dynamic passenger information, and steers processes in an intelligent manner.

Turnkey, integrated operation control systems or digital train stations – also from the cloud: We are happy to inform you about digital solutions for rail and local public transit. Our experts show you which IT solutions will help you master your challenges.

T-Systems leads the way in smart station and smart vehicle solutions by harnessing the power of AI-based workload management, optimizing operations for both stations and vehicles. Our cutting-edge AI-powered object and threat detection systems enhance safety and security. Furthermore, our proficiency in Vehicle-IoT ensures seamless integration of vehicles into the broader Internet of Things ecosystem, enabling data-driven insights and efficiencies for modern transportation systems.

A leader in digital communication infrastructure, our specialized services span from deploying digital communication infrastructure to consulting on PMR (Professional Mobile Radio) and radio

planning. We're at the forefront of the 5G evolution, offering expertise in crafting and putting in place 5G campus networks. These networks are vital for delivering swift, low-latency connectivity to a wide range of businesses and organizations. Our comprehensive solutions in digital communication infrastructure highlight our dedication to enabling advanced, dependable, and secure connectivity in today's digital era.

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Deutsche Bahn and T-Systems have revolutionized train travel with real-time information updates. Unlike the past, where identified delays were inflexibly propagated to all stations on a route, the "Prognoseautomat" Forecasting Machine now enables minute-by-minute dynamic adjustments based on actual influencing factors. Explore this innovative technology in action in our short video, showcasing how automated real-time forecasting enhances the entire train journey experience.

(Video with English subtitles: Please click the button at the bottom of the video to show English subtitles.)

URL: https://www.t-systems.com/de/en/content-and-collaboration/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how international companies are using our cloud and collaboration solutions to improve worldwide teamwork and secure their business success.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Discover how T-Systems helped metal supplier MCB with their cloud migration.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

The 5G campus network enables the use of automated guided vehicles.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

The founders of Sosias Data set the course for growth.

The State of Brandenburg relies on T-Systems for SAP application management.

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

T-Systems driving business innovation for Cargodian with AWS consulting and solutions.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/telekom-it-aws

T-Systems has supported Deutsche Telekom IT in implementing security solutions on the public cloud AWS

Together with T-Systems, Deutsche Telekom IT (DTIT) has established an AWS Landing Zone that complies with the DTIT's high security requirements and standards and simultaneously facilitates the use of the public cloud's agility.

T-Systems has helped us to accelerate the introduction of the public cloud for applications at Deutsche Telekom by supporting us with implementing a secure AWS Landing Zone that is adapted to our high security requirements.

Torsten Jester, Senior Manager DTIT Cloud Center of Excellence (CCoE)

Since 2018, DTIT has been undergoing an IT transformation program that aims to increase acceptance of agile methods and create digital hubs. This should allow the whole spectrum of public cloud functions to be used for in-house applications. The biggest challenges in the highly regulated Telco business are the comprehensive security requirements and standards, such as Deutsche Telekom's own strict Privacy and Security Assessment (PSA). Within the framework of the project, DTIT wanted to construct a secure and compliant platform for the applications, combining the advanced AWS-native automation and security services with the best practices and standards of Deutsche Telekom for secure system and network operation. Since T-Systems is a proven supplier of solutions which complies with high security requirements and simultaneously maintains the agility of the public cloud, the ICT provider was selected by DTIT as a partner to support and accelerate their project.

For Amazon Web Services (AWS), security is a key focus of every offer in order to allow companies to make the most of the speed and agility of the cloud. AWS integrates comprehensive security controls, effective scaling, transparency, and automated security processes into its cloud infrastructure to create a secure basis for companies to build on. The shared responsibility model (SRM) makes it easy to understand decisions made to protect the unique AWS environment and offers the company access to resources that help them to implement end-to-end security quickly and easily. Companies can choose from many cloud-capable software solutions from AWS and AWS Security Competency Partners in order to fulfill the high standard of data security in the cloud.

T-Systems can look back on years of experience in the provision of solutions that comply with high security requirements and simultaneously make use of the agility of the public cloud. The telecommunications company offers the following:

It is for these reasons that DTIT chose to work with T-Systems. Their expert knowledge and experience with the security requirements of Telekom also contributed to this decision.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

T-Systems has constructed an AWS organization system specifically for DTIT. The security guidelines on the accounts are a combination of T-Systems' security standards and an additional level that reflects the specific requirements of the customer.

The basis for this was derived from the central SecOps account from T-Systems. This enables encryption and decryption of S3 data stores based on a classification tag and the use of provided KMS keys. It also makes sure that there are structured IAM roles and password guidelines, and that multi-factor authentication is enforced, as well as ensuring an appropriate protocol (CloudTrail) is present. Access for forensics and audits is also possible. Regional limitations were used with the help of service control policies (SCP) that ensure geographical limitation in line with customer requirements. T-Systems also implements a strict and verifiable process for root-level access. Other AWS services, such as CloudFormation, CloudWatch, and CodePipeline were also central to building, provisioning, and activating this native cloud solution. This solution, provided by T-Systems, has passed the strict Telekom Privacy and Security Assessment.

This solution enables the DTIT AWS DevOps team to work seamlessly in a pre-configured and secure AWS environment and to concentrate on specific requirements. T-Systems then advised and supported DTIT in the highly automated definition, construction, and expansion of their own security guidelines (with CloudFormation stack sets, step functions, and Lambda, provided by the code from the Corporate Gitlab environment). GuardDuty forms part of DTIT's security system, encrypting all existing data using KMS and a dedicated logging and monitoring stack. T-Systems has also implemented a secure interface (using API Gateway) to allow DTIT to order a new AWS account that can be automatically made available through a central cloud management portal.

One of the most important aspects of security is a secure identity foundation. Limiting the number of different identities or users is a recommended best practice for companies of all sizes. The main reason for this, alongside the convenience for the end user, is that it solves the mover/leaver problem. T-Systems was therefore commissioned to support DTIT with the design and setup of a user management system for AWS. As an interim solution, a central user management with IAM in a dedicated user management account was started. On this basis, roles were implemented in the project accounts that facilitate cross-account relationships.

Parallel to this, T-Systems prepared the connection with Telekom Active Directory using the company's own ADFS Farm to take advantage of the company's existing user pool and to avoid the setup of a separate, isolated user management system for AWS. ADFS is the solution used in most companies to facilitate single sign-on with SaaS solutions and the cloud. In DTIT's case, the ADFS serves as a SAML2.0 (Security Assertion Markup Language) provider for AWS. This high-level setup is very simple and is described here in detail.

In summary, the client receives an SAML token from ADFS in-house, which allows them to obtain temporary login information from AWS and to sign in to their AWS account. The permissions for environments will be controlled by groups in the Active Directory – on the ADFS side, a relationship must be established with AWS. The most difficult part of this activity was defining the solution on the customer side (concept), to collect the authorizations, carry out the tests, and go live with the changes. T-Systems has also automated the roll-out of identity providers and roles on the AWS side, and integrated the solution into the application and

processes that manage the group.

In terms of connectivity, T-Systems has created a highly secure, centrally managed network environment that is connected with the company network (see T-Systems AWS Direct Connect Case for DTIT). In this way, AWS functions such as VPC end points and VPC sharing were used, as well as other typical functions essential to network security, such as NACL and security groups. T-Systems has also created secure provision templates for projects to simplify the use of the centrally managed network environment. As well as this, a secure standard VPC will be introduced in regions on the whitelist to simplify the introduction to AWS in new projects. All networks will be managed as code (CloudFormation templates) in the central DTIT Gitlab.

T-Systems will continue to support the DTIT client and the Telekom applications, for example through consulting, structured reviews, and Managed Services for containers (EKS, ECS).

With a presence in over 20 countries, T-Systems is one of the world-leading manufacturer-independent providers of digital services with a headquarters in Europe. The Telekom subsidiary offers everything in one package: from the secure operation of legacy systems and classic ICT services and the conversion to cloud-based services, down to new business models and innovation projects in the Internet of Things. T-Systems is part of the AWS Partner Network (APN) and an Advanced Consulting Partner of AWS.

Further information

DTIT is the in-house IT service provider for Deutsche Telekom AG. DTIT is responsible for the design, development, and operation of all the group's own and transferred IT systems to support the business processes of Deutsche Telekom AG. DTIT creates user-friendly web portals with intelligent self-service functions, which form the basis for an integrated, cross-channel customer experience with the brand Telekom Magenta.

Address security vulnerabilities in real-time on AWS cloud with T-Systems Security Services.

URL: https://www.t-systems.com/de/en/data-intelligence

Discover new opportunities for transparency, access, and growth through continuous data analytics insights

Today, the unprecedented growth of data has thrust data intelligence into the spotlight aiming to enhance enterprise-level decision-making, processes including routine operations. Through a combination of innovative methodologies in predictive data analytics, big data, data mining, machine learning, and state-of-the-art framework and domain-specific expertise, T-Systems empowers businesses to harness the power of data intelligence effectively.

Learn about recent trends, technologies, and best practices in data application development

Data industries face hurdles: data volume, privacy, silos, tech evolution, ethics. At T-Systems, we harness cutting-edge data technology and extensive experience to deliver customized solutions for businesses grappling with the complexities of big data and AI.

How to get connected with data spaces with sovereignty protection and build novel data products and power disruptive super apps.

In the first step towards data science, RapidMiner founder Ralf Klinkenberg believes companies have to break open their data silos and connect data across all processes.

How decision-makers are approaching analytics and data management.

Banks are taking the next step towards Banking 4.0 with cloud computing, artificial intelligence and omnichannel structures.

With the Telekom Healthcare Cloud, companies in the healthcare sector finally have access to a public cloud that complies with data protection laws and regulations.

Have questions or need guidance on data intelligence, big data, and AI? Our team is here to help. Get tailored solutions for your business.

URL: https://www.t-systems.com/de/en/digital

Discover how digitalization can make your business more innovative, competitive, and successful

The journey to the digital future is constantly evolving. To remain competitive, companies must accelerate their digital transformation. New business models, the creation of unique customer experiences and the use of precise data analyses help in this process. This is where we can be your trusted partner on the path to seamless digital transformation and evolution.

More emotionality, a personalized approach, or the optimal linking of individual digital touchpoints: Customer experience has become one of the most important differentiators today. Well-informed and satisfied customers remain loyal to your company in the long term. Improving the customer experience is therefore no longer a nice-to-have, but a necessary measure to sustainably increase the company's image and sales with satisfied customers. We help you to develop and implement the appropriate, overarching strategy for the customer experience.

More convenience, more personalization and more speed: Can your current business model meet the increasing demands of customers? In order to retain customers in the long term, it is important to respond quickly and effectively to their individual needs. According to a study by the consulting firm Detecon, the companies which will be successful in this regard will be those which provide data-based products and services, enable digital interfaces, and digitalize their business processes.

Intelligent data analytics help companies better understand and respond to customer needs. They also help management and business departments to make the right decisions. To do this, data must be made transparent across the company and made available to all teams – as far as compliance and security aspects allow. If data analysis is an integral part of your strategy, you will gain a major competitive advantage. You can make more accurate forecasts, act more effectively, and make your company more resilient.

What does it take to become a data-driven company? Success does not depend on digital technologies alone. Organizational thinking and a coherent strategy are crucial. Our white paper describes the most important steps.

Making a company or business unit "digital" requires strategic planning, reliable technologies, and a competent partner. We can help you to integrate many different things optimally. No

matter where you are on your journey.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/about-t-systems/innovation-management/cloudhub-budapest

A place to cooperate, learn, and connect to shape the future

The CloudHub is a showroom in the Telekom Headquarters in Budapest, Hungary. It brings the current and future T-Systems cloud services portfolio closer to our customers. As a center of cloud innovation, it showcases cloud solutions and applications and brings use cases to life – but the CloudHub is not only a showroom. It is a place to collaborate, learn, network, and create the way of tomorrow. Get an idea of what we offer now with three exciting solutions: for road traffic, the agricultural industry, and virtual landscapes for a greener future.

Wanna get to know more about the roads you drive on? Luckily you only need your smartphone and the PARA – our Predictive and Adaptive Road Analyzer helps you monitor the status of the road infrastucture components by recording images, vibration, location and speed. You don't even have to worry about storing and analyzing these data – they are being sent to the cloud so you can see the results via a dashboard online.

Are you having a hard time keeping your plants alive? The Geek Gardener is here to the rescue! This solution uses a simple IoT application to guide through Azure's Arc enabled services deployed on a remote Kubernetes cluster. By using a microcontroller, it collects soil moisture data and sends the results every minute via WiFi – it can learn trends and patterns, and if you want it even notifies you when your plants need watering!

Get to know how our three OTC-based cloud solutions work and how they address the threats to our planet. See how they create photorealistic landscapes and take a closer look what we can offer to the health industry:

We also showcase public cloud technologies and software for educational purposes. For example:

Get all information about the innovative demos and T-Systems Cloud Services products showcased at the CloudHub in Budapest.

Get to know more about our service packages and customize them to your needs – whether you're interested in our demos and latest technologies, organizing a moderated event in our innovative space, or simply booking the CloudHub as a venue.

Would you like to visit our CloudHub in Budapest? Do you have questions about our examples of digital practice? Or would you like to book our showroom for your next company meeting? Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/security

With a wide range of security solutions, Deutsche Telekom is protecting data, networks, and systems

From a hotel's email correspondence to big data processing in an international corporation – the

more extensive the communication and data networks, the greater protection required by the system. For companies in digital transformation, well protected IT infrastructures are indispensable. With innovative security tools and highly available cloud services, Deutsche Telekom offers the right security solution for every requirement.

Security training for Verkehrsbetriebe Zürichsee and Oberland AG.

Verkehrsbetriebe Zürichsee and Oberland AG practice penetration tests.

Church organizations benefit from Cloud Privacy Service for Office 365.

T-Systems develops security architecture and realizes SOC for Vitesco Technologies.

Security consulting with ESARIS creates efficiency and transparency for DB Netz AG.

The cyber security experts are able to detect attacks at an early stage and provide support for defense strategies.

Managed firewall services relieve the strain on the internal IT team and secure a lasting high level of security.

KAESER KOMPRESSOREN SE has mobilized all of its business processes together with T-Systems.

Using the GRC (governance, risk, compliance) cloud, T-Systems provides an enterprise risk management system for the Otto Group.

A high-performance encryption solution from T-Systems protects the German state of Saarland's IT service center.

Telekom protects itself and its customers from Bonn with its largest Cyber Defense and Security Operations Center.

T-Systems has delivered a security-approved solution optimizing the analysis of anonymized data for congstar.

E-mail Protect Pro, delivered from the Telekom Cloud, protects Lindner Hotels' electronic correspondence from cyber threats.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/digital/transport-security-for-autonomous-shuttles-f

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems

Environmental protection issues, such as the government's climate goals and the 9-euro ticket, have put the spotlight back on local public transport for many travelers. It has also shown room for improvement. The authorities of the Rhein-Main-Verkehrsverbund (RMV) are thinking about how to make mobility more flexible and customer-oriented and to make stronger intermodal

connections.

In concrete terms, the RMV wants to test out a shuttle service on the outskirts of the tariff zone. This will involve the use of self-driving minibuses for six to eight passengers on routes where the number of passengers makes the use of a conventional bus economically nonviable. Autonomous transportation saves money on the costs of a driver.

As the operator of this on-demand mobility service, the RMV also holds the responsibility for monitoring passenger transport – just like other forms of transport. While driving staff assume this role on buses and trains, this challenge requires another solution when it comes to autonomous transportation. The RMV is testing a digital solution for this in the form of a proof of concept that was launched in November 2022. Its daughter company, the Rhein-Main-Verkehrsverbund Servicegesellschaft mbH, is working on this with T-Systems.

At a glance

Serving main traffic arteries in cities and metropolitan regions is just one side of public transport. The other side includes rural areas with weak infrastructure where passenger numbers are often low – meaning that transport frequency is also low. But large transportation authorities also need to consider how regions and zones with low passenger numbers can be economically and efficiently connected with the transport network. Transportation authorities are developing an increasing number of "on-demand" offerings like dial-a-buses and shared taxis for this reason.

With the advent of the first autonomous buses, the topic has gained new momentum. But do autonomous buses actually form a basis to operate these routes economically? And how can the Rhein-Main-Verkehrsverbund (RMV or Rhine/Main Regional Transport Association), as the responsible party, control operations sufficiently, fulfill its duty of care, and guarantee transport security? And how can this be achieved in line with legal regulations? As the RMV must also comply with the applicable data protection laws.

Computervision, the solution from T-Systems, allows us to test autonomous on-demand mobility and helps us to give our passengers a feeling of security.

Thorsten Möginger, Team Leader New Mobility, Rhein-Main-Verkehrsverbund

In November 2022, the RMV launched its pilot project to use autonomous shuttles on its own premises. A solution for person recognition is integrated into this: Computervision. RMV is a customer of Deutsche Telekom Business Services (DTBS), who put them into contact with T-Systems, who made the solution a reality.

It is essentially made up of an AI-based application, which is installed on a high-performance edge device, and can be connected to an onboard camera. This can either be a camera that is already integrated into the bus or one that has been installed specifically for this purpose. The solution also offers GPS tracking. The actual intelligence of the solution lies in the AI-based, pre-trained application. It can scan the passenger area for example. To be more specific, it can be used in four different ways. It recognizes how many people are on the bus, if they are wearing masks or are standing and whether a passenger has forgotten a piece of luggage.

A tablet or screen is integrated into the bus as an add-on. The type of communication with passengers is tailored to customer requirements. It can either be unidirectional or bidirectional. If a passenger is standing up or not wearing a mask, for example, they will receive a

corresponding message. The tablet also works as a source of information, in case of unusual traffic situations like congestion or accidents.

The application on board processes object recognition data and transmits these to the customer backend. There is also the option to use the "Open Telekom Cloud" as a backend including a dashboard from T-Systems. The important thing is that the onboard applications record and analyze videos, but images and videos do not get transmitted into the backend. The application only recognizes "three people". This completely anonymous number is added to the dashboard or database.

With the dashboard, the RMV is able to guarantee security in the shuttle, as well as determine capacity. Based on the data from the six-month proof of concept, the RMV can make business decisions regarding the wider use of the shuttles. At the same time, the RMV is gaining a solution with this that also ensures transport security in autonomous transportation. In this way, it fulfills its legal obligations as a people carrier and does so in compliance with data protection, as personal data is not transmitted.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

Every day, the Rhein-Main-Verkehrsverbund transports around 2.5 million passengers. In 2019, they had as many as 808 million passengers. With around 300 cities and communities in the network, the RMV provides transport services for around two-thirds of the state of Hessen. Regional trains, city trains, buses, subways, and streetcars produce over nine billion passenger kilometers per year – this makes the RMV one of the largest transportation authorities in Germany. It provides people in the metropolitan area of Frankfurt and beyond with the option of green mobility.

IoT connects people, machines, processes, and data, and leads to new opportunities for growth.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/public-sector/success-stories

Be inspired by the successful digitalization projects of our customers

Find out how authorities and public administration institutions use our solutions to increase their flexibility, productivity, efficiency, and quality.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

The State of Brandenburg is building on dynamic SAP operation.

The State of Brandenburg relies on T-Systems for SAP application management.

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape.

T-Systems is developing the platform Adeje DTI Smart Tourist Destination and the Smart Adeje app.

T-Systems is charting a new path to digital transformation for Tarragona City Council (Spain).

T-Systems supplies agile test environment for pioneering specialized procedure GeFa.

How IoT solution from T-Systems implemented sustainable water management.

The modular toll platform collects road tolls without the need for an additional infrastructure.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/strategy-and-consulting/solutions/operations-and-performance-con

Designing and optimizing organizational landscapes to create a competitive advantage

Without a clear focus on performance and operational readiness, a digital roadmap is ineffective. Therefore, we concentrate our efforts on designing/re-designing operating models, corporate governance, financial management, and procedures across a variety of industries around the world. The solutions of T-Systems and the advisory partner Detecon are designed considering dynamic processes to deliver higher efficiency, adaptability, and agility.

Digital transformation relies on robust, efficient and scalable digital operating models. The dynamism of these models in turn necessitates periodic rejuvenation of capabilities with the evolving tactical and strategic goals. The key to success thus, is solution-orientation, agility, flexibility, standardization, automation, and efficiency along the siloes in the operating model. Our consumer centric and capability driven operating model blueprints are here to change the way you operate digitally.

We are happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitization plans. Get in touch!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/contact

Would you like more information on our offers? Do you have specific questions? Would you like a personal consultation? We are happy to help you!

Call us free of charge*:00800 33 090300

* from the following countries: Austria, Belgium, Denmark, France, Germany, Great Britain, Luxembourg, Netherlands, Norway, Poland, Portugal, South Africa, Spain, Sweden and

Switzerland.

You can also contact us online – simply fill out the contact form. One of our experts will contact you as soon as possible – by email or telephone, however you like.

We are looking forward to contacting you!

Your T-Systems team

* Field required

URL: https://www.t-systems.com/de/en/sustainability

Our investment in a more sustainable and climate-neutral future

This is one of the key questions for a more sustainable future. This is why T-Systems is fundamentally challenging the status quo to actively promote change. After all, tomorrow's climate targets cannot be achieved using yesterday's technologies. In order to combine digital growth with investment in sustainability, T-Systems is supporting companies in their digital, sustainable transformation.

New climate protection targets and regulatory stipulations are placing companies' focus on sustainability. For example, net zero emissions, ecological transformation and climate neutrality are becoming the most important strategic targets for top management. The prerequisite for this is innovation, a green value chain and a sustainable, digital transformation that are influenced by ecological factors such as greenhouse gas emissions, CO_2 certificates and mobility concepts. A change in awareness is also guiding the behavior of consumers, investors and employees.

We can drive your corporate sustainability forward by supporting the digital transformation of your company – from consulting and strategy to the operation of innovative technologies. Our industry expertise helps in making decisions when it comes to climate neutrality and environment, as well as combining ecological measures with progress and business success. We guarantee provider independence, sovereignty and transparency and offer certified sustainable #GreenMagenta solutions.

Our solution Transparency Suite enables the creation of reports and transparent management to comply with ESG requirements, such as transparent supply chain and sustainable facility management.

Airport Collaborative Decision Making (A-CDM) facilitates better coordination between the airport, air traffic control, ground handling services and airlines, significantly reduces emissions and fuel consumption, and minimizes environmental impacts. Passengers benefit from fewer delays. An average of around 92 kg of CO_2 is saved per departure.

The Open Telekom Cloud is provided from the highly secure Telekom data centre in Biere, which with 1.3 PUE (Power Usage Effectiveness) requires 30 percent less energy than comparable data centres. A performance that the US certifier USGBC has awarded gold status according to the internationally recognised LEED rating. In addition, Telekom's data centre is powered 100 percent by electricity from renewable sources.

The total volume of data stored can be reduced by 85 percent by first analysing which old data

is redundant or unnecessary and can be deleted. A minimal amount of data is then stored on the high-security cloud servers, dramatically cutting energy consumption. The M.A.R.S solution uses climate- and resource-friendly Open Telekom Cloud data centers, powered exclusively with electricity produced from renewable sources and with zero emissions. They also use around 30 percent less energy than conventional data centers.

Start into the future now! The EU has agreed to deploy more than 1 million new public EV charging stations by 2030. Ambika harmonizes the expansion of your EV charging network and helps to harmonize fragmented IT landscapes.

Tomorrow's climate goals cannot be achieved with yesterday's technologies. We help companies to implement sustainability solutions such as Multi-Cloud for SAP as well as Product Footprint Management and SAP S/4HANA.

Bees make an indispensable contribution to the ecosystem. T-Systems takes care of over 20 bee colonies on Telekom outside areas. The special feature: Some of the colonies live in smart, digital beehives. Adapt our solution and protect bees at your company entities.

Deutsche Telekom wants to become a climate-neutral company. To do this, we're optimizing the CO_2 balance sheet, reducing direct and indirect emissions. These will be down to zero within the Group by 2025, and along the entire value chain by 2040. We are shaping our business fleet to be sustainable, are switching to electric cars across the globe, thus saving CO_2 emissions. We are choosing green IT and recycling, working on projects and services for greater sustainability. We are operating our data centers fully using green energy. To do this, in 2021, we joined the Climate Neutral Data Center Pact.

Our trendbook shows how responsible digitalization is turned into climate investment, and how you can speed it up.

Figures, dates, facts – how we are becoming greener. T-Systems' contribution to sustainability and environmental protection.

Reviewing the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

URL: https://www.t-systems.com/de/en/careers/why-t-systems/our-culture

Use freedom to achieve great things

Innovation is our driving force, an exchange-focused team spirit our inspiration: our culture is characterized by our collaborative work towards a digital future. When you develop integrated IT solutions for our customers with the newest technologies, you leave a lasting impression. With mobile and flexible work forms, we offer our employees an agile working environment, founded on trust and personal responsibility. This encourages a committed and innovative work ethic.

We are delighted to introduce our new Culture Magazine: peoplemakeithappen. The magazine showcases how we live our culture at T-Systems and gives a lot of practical examples from our colleagues around the world. In this launch issue, more than 25 colleagues from across the globe share their stories and insights on living the T-Mindset and demonstrate how their commitment to living our culture has contributed to their success. Take this great opportunity to learn more about our culture and find out whether it suits you.

Some links within the magazine are for internal use only.

Read more about our Culture

We are actively shaping the development of new digital technologies. Our guiding principles create the basic value system. They outline how we should treat each other and work together:

During Diversity Month in March, we asked all colleagues to look to the future: What do you want diversity at T-Systems to look like in five years? The result: a beautiful picture that is based on their wishes. At T-Systems, we believe that diversity and inclusion are not just a buzzwords or boxes to be checked. Diversity and Inclusion are the foundation for innovation, creativity, and overall success. By embracing diverse perspectives, backgrounds, and experiences, we cultivate a wealth of ideas that drives our collective growth and creates an attractive workplace.

Our Diversity Image

We have identified agile working as an important competitive factor. It is therefore paramount for us that employees are afforded the personal responsibility to collaborate cross-functionally in a highly-motivated way towards a common goal. This allows us to bring customers closer to the process of creating solutions.

Our success is based on integrity, appreciation, and compliance with the law. In our code of conduct, we specify clear and transparent guidelines for all employees.

We use digital tools to develop excellent IT solutions for our customers. We also use them to support collaboration across teams and functions. With our internal social network and innovative collaboration tools, cross-sector networking and sharing expertise couldn't be easier.

We offer attractive jobs for every career level – in a global network, with innovative technologies and a new-work environment.

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/topics/retail-it-modernization

Embrace the future: Transform your retail business with cutting-edge IT solutions

IT modernization is crucial in retail for staying competitive and meeting evolving consumer demands. It enhances efficiency, customer experience, and data-driven decision-making. Modern IT infrastructure leads to faster, more reliable services, while advanced analytics provide insights for targeted marketing and optimized inventory. This not only streamlines operations but also fosters innovation, opening new avenues for growth in retail sector.

The IT modernization in retail involves integrating AI, cloud technology, 5G campus networks, and robust cyber security. AI enhances customer service and inventory management through predictive analytics. Cloud technology offers scalable, flexible solutions for data storage and management. 5G campus networks enable real-time data exchange, ensuring seamless in-store and online experiences. Cyber security fortifies this digital infrastructure, safeguarding customer data and business operations. Together, these technologies pave the way for a smarter, more secure, future of retail.

How Google Cloud services help retailers to benefit from retail cloud solutions and be

future-ready.

Discover how retailers can take full advantage of IT modernization. Contact us to see which solutions are ideally suited to your requirements.

AI is revolutionizing the retail industry by enhancing customer experiences and streamlining operations. AI-powered tools offer personalized shopping experiences, predictive inventory management, and efficient supply chain optimization. These intelligent systems analyze vast data sets for insights into consumer behavior, helping retailers make informed decisions. From chatbots assisting online shoppers to AI in logistics for timely deliveries, it is transforming how retail functions, driving sales and customer satisfaction.

Cloud services are an increasingly important part of IT infrastructure and digitalization in the retail sector. T-Systems offers retailers the entire range of public, private, and hybrid cloud solutions as end-to-end services. In addition to Telekom's own Open Telekom Cloud, these also include managed cloud services for the hyperscalers AWS, Google Cloud platform, or Azure. This also includes the migration of existing IT systems such as SAP to the cloud.

There is a perpetual threat to IT systems from hackers using techniques like ransomware to blackmail their victims. The cyberattacks are becoming more professional and dangerous which cannot be warded off using conventional tools. T-Systems cyber defense centers, monitor company networks and IT systems around the clock and ward off attempted attacks. Our security experts audit the IT systems in advance for vulnerabilities with penetration tests and remedy them, thus preventing against attack.

Transform your business processes with SAP S/4 HANA to develop customized shopping experiences. Digitalize supply chains to efficiently procure goods and manage inventory. Improve demand forecasting with SAP Customer Activity Repository (CAR) and maximize impact of promotions. SAP for retail lets you design intelligent systems to transform business processes with AI from cloud or on-premises installations. Take advantage of T-Systems preconfigured business solutions and know-how from thousands of successfully implemented SAP implementation projects with SAP best practices.

5G campus network that connects public and private mobile networks as well as Wi-Fi and enables real-time data exchange is a great solution for multiple applications – AR VR, seamless shopping, self-checkout, or high-resolution multimedia streaming services. Also, for robots in warehouses, automated guided vehicles (AGVs) in production or intralogistics, IoT solutions such as condition monitoring, track and trace, digital price tags, or in-store analytics requiring real-time communication.

As modern retail players adopt newer technologies like data analytics, cloud, artificial intelligence (AI), automation, and more – are the cybersecurity measures enough? How can they secure their business? How managed cyber defense can help SMEs?

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/hosted-azure-vmware-solut

Set yourself up for business success by seamlessly moving your VMware workloads to Azure

It's not everyday that you come across a solution that lets you run and manage your existing VMware workloads in the cloud without any major modifications or associated risks. With T-Systems-powered Azure VMware Solution (AVS), customers can get scale, automation, and

fast provisioning of their VMware workloads on global Azure infrastructure – using exisiting VMware tools and skills along Microsoft Azure's integrated set of services.

You want to move VMware workloads to the cloud - securely and fast? We show you how.

As part of T-Systems' Managed Cloud Services, the Azure VMware Solution enables you to modernize your VMware workloads by integrating with native Azure services such as Azure Active Directory, AI, and Analytics.To implement the solution, VMware experts on the customers' side and T-Systems experts with their proficiency in migration, management, and operation of the Azure cloud environment, come together under one roof. By reducing the impact on existing processes and using customer invested skills and tools (including vSphere, VSAN, and Vcenter), we improve your productivity, agility, and time-to-market in a cost-efficient manner.

Migrate: Migrate vSphere-based workloads seamlessly via data center extension to global coverage of Microsoft Azure. Lift & shift to >14 locations via a highly standardized process with low latency and communication costs.

Integrate: Take advantage of seamless Azure experience and native integration along with the latest VMware technology updates, HCX Enterprise Edition, simplified NSX interface, and high-performance dedicated hosts.

Transform: Revolutionize applications at your own pace by leveraging native VMware or AVS / Azure services. For instance, build development/test environments that can integrate with modern CI/CD automation tools, native Azure IaaS or PaaS services once the application is deployed.

The solution not only enables customers to seamlessly integrate their VMware environment with Azure, but also ensures they reap the following benefits:

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/about-t-systems/innovation-management/data-center-biere

In Bördeland near Magdeburg, T-Systems operates one of Europe's largest cloud data centers

Around 20 kilometers south of Magdeburg, T-Systems has built a Fort Knox for the cloud: the data center Biere. The facility serves as a highly secure hub for Deutsche Telekom's global cloud infrastructure. Here we guarantee our customers the greatest possible level of security for their data in accordance with Germany's strict data protection laws. Companies of all sizes benefit from our IT services: large multinational customers, for example, use our private cloud solutions. For small and medium-sized companies, we operate public cloud services such as the Open Telekom Cloud. Whatever the service, we always maintain the highest standards with regard to the availability, quality, and protection of data. We have the possibility to expand our IT production area to 40,000 square meters – which would make it one of the largest cloud data centers in Europe.

We at T-Systems are working to ensure that our customer data is kept absolutely secure at all times. The Biere facility therefore maintains correspondingly high security standards. The building is protected by modern security systems with motion detectors and strict access

controls that employ personnel locks, chip card readers, and palm scanners. State-of-the-art encryption techniques ensure that only authorized persons can view sensitive data according to the "need-to-know" principle. If extreme circumstances do arise, powerful emergency power generators are on hand to take over the supply of power for the entire system. The data center is also designed as a TwinCore data center: at the customer's request, all data is stored in parallel at the T-Systems data center in Magdeburg, 18 kilometers away. If one of the twin systems fails, the other one takes over. Our TÜV-certified Zero Outage quality program is also implemented in Biere. In order to ensure maximum reliability, we employ this zero-defect strategy across the entire IT infrastructure.

The European Commission has presented the T-Systems data center in Biere with the European Code of Conduct Award.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions/sap-sustainability-solu

Our #GreenMagenta-certified managed SAP services and solutions are a sound foundation for environmental sustainability

The ICT industry generates greenhouse gas. But it's a nuanced picture. Overwhelmingly, the main route to reducing carbon emissions is through digitalization. Existing technologies can only reduce about 65 percent of emissions[1] – much more is needed to meet net-zero targets. In the face of growing regulations and heightened consumer awareness, what's the answer? Innovation with SAP S/4HANA.

The evidence is inescapable; global warming threatens our very existence. From nation-states to international corporations to SMEs, it is incumbent on us all to live and work more sustainably. New regulations, such as Germany's Climate Change Act, mean that hope and headline-grabbing promises are simply not enough. Increasingly, organizations are being compelled to do more. Did you know, for example, that from 2023 companies with over 250 employees will be mandated to report their sustainability measures?[2] But there are not only sticks; there are carrots, too. Let's explore them.

Three-quarters of investors prefer to invest in companies with a better carbon footprint, and seven out of ten consumers seek out sustainable products and suppliers. Companies with green credentials are also more attractive to prospective employees. Fundamentally, sustainability is vital to an enterprise's future viability and is the gateway to value creation and new business models. At T-Systems, we believe that talking the green talk starts with walking it, and we are proud of our environmental capability and initiatives. We are assisting businesses in doing more with less in collaboration with SAP.

In our coffee plantation concept showcase, the long tradition of growing coffee plants meets 21st-century SAP software solutions and blockchain. From planting the seed to nourishing the seedling to harvesting the beans, data is indelibly written into the blockchain. This way, our coffee producer can trace every aromatic pot of coffee back to the precise batch, guaranteeing traceability and protecting against manipulation. And using IoT devices that gather information on weather and soil conditions, we also help the producer grow a healthy crop – and they don't waste a drop of precious water.

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Germany is committed to reducing carbon emissions by at least 65 percent by 2030.[3] Can automotive and manufacturing industries improve recycling processes to produce high-quality end products that can even compete with the market prices for primary raw materials? T-Systems has developed a showcase in cooperation with an automotive manufacturer and an innovation lab to demonstrate the recycling process of plastic capsules in a circular economy. Learn how our end-to-end SAP solutions support companies with product footprint management to optimize resources and carbon footprint in their operation.

targets are at the heart of the UN's 2030 agenda for sustainable development■

of the world's carbon emissions come from supply chains■

of consumers are willing to pay a premium for traceability■

potential savings sustainability measures can add to the global economy by 2030■

Rethink the System: Uwe Birkenhauer, Head of SAP Portfolio at T-Systems, provides insights on using SAP solutions and operations to tackle carbon footprints.

This is a must-have handbook for driving sustainability in your organization. Alongside trends and insights, you will discover the top topics for action, gain practical tips, and learn how to create a roadmap for achieving your sustainability goals.

* Field required

[1] Smarter Service/Mind Digital, Trend book "Sustainability with digitalization", 2022, t-systems.com

[2] Grant Thornton "CSRD issues mandatory sustainability reporting for thousands of companies", 2021, grantthornton.nl

[3] Clean Energy Wire factsheet "Germany's greenhouse gas emissions and energy transition targets", 2021, cleanenergywire.org

■ European Commission, "Sustainable development", 2021, ec.europa.eu

■ Eco Business "Supply chains generate massive carbon emissions", 2020, eco-business.com

■ Wolters Kluwer, "2021 trends in supply chain sustainability", 2021, wolterskluwer.com

■ ESSNPS, "Sustainable supply chain management: Statistics, importance, best practices!", 2022, essnps.com

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/iot-solutions

How industrial revolution works

Today, there are already about 15 billion objects connected to each other via the internet. But what's known as the Internet of Things (IoT) is growing and growing and growing. Machine-to-machine, smart factory, and artificial intelligence are just three of the terms currently promising new and innovative business fields, especially within industry. But successful use of digital technologies is not a given: supposedly high investment sums, unqualified employees, and security concerns can all act as hurdles.

Whether it's thermostats, robots used in manufacturing or cars, in the Internet of Things, devices and machines are interconnected via the Internet. With the help of built-in chips, sensors or software, machines can exchange increasing amounts of data and information. An IoT platform coordinates the data analyses and makes the information usable for users via the cloud or the edge.

Thanks to machine-to-machine communication (M2M), such IoT solutions are becoming increasingly relevant, especially in the field of Industry 4.0. Production processes in a smart factory can be automated by networked machines which are fully autonomous.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Intelligent machines, storage systems, and operating resources that exchange data independently and control themselves are a dream in terms of the opportunities they present for greater productivity at lower cost. The Internet of Things enables companies to make their product portfolio more flexible and their production processes faster. This requires both the appropriate infrastructure and detailed process knowledge, however.

Together with the leading management and technology consultancy Detecon and our sister company T-Systems Multimedia Solutions, we provide you with fast, scalable access to the Internet of Things: from consulting and co-innovation, through the development of technical solutions, to complete integration and operation with the highest security standards – we have agile, interdisciplinary teams worldwide ready to offer you support tailored to your individual situation and task.

In addition, we also offer you a multi-IoT service platform, bundling the best platform providers in this area for you so you can enjoy their advantages from a single source. In this way, we ensure that you get the platform that best fits your IoT or machine-to-machine (M2M) project.

Get in touch.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/future-it-transformation

Catapult your digital systems into the modern age with a segmented, secure and comprehensive approach to IT Transformation with our Future IT Transformation Suite

Legacy IT systems can be costly and cumbersome. Since 2010, global businesses have spent an estimated $720 billion on failed IT replacement efforts[1].A fit-for-purpose IT landscape is key to business growth. At the same time, modernization cannot jeopardize critical functions or hog disproportionate time and resources.T-Systems offers a modern, segmented and secure,

proprietary tools-driven IT Transformation process, based on a modular set of services configurable to individual business needs. The Future IT Transformation (FITT) Suite empowers enterprises to scale new dimensions of IT modernization.

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Are you looking for ways to transition large legacy infrastructures towards state-of-the-art cloud solutions to streamline your IT capabilities? Dr. Andreas Greis, SVP, Digital Solutions, T-Systems, speaks on the potential of the FITT Suite in this video. Watch now!

Our Future IT Transformation Suite is designed to address all your IT transformation needs. The newly launched 6 IP offerings take care of your IT transformation at all layers with minimal risks and no disruptions to critical business applications.

Would you like to digitize your business, but your legacy IT is too sluggish? This is how the mainframe migration works.

The T-Systems' Future IT Transformation Suite can be used to address common IT pain points, including:

Are you looking to modernize and transform your legacy systems? Our expert team is here to help and get you started. Let's talk!

[1]IEEE Spectrum

URL: https://www.t-systems.com/de/en/iot-and-edge/topics/improve-efficiency-with-iot-integration

Improve the efficiency of IoT-based applications and processes with edge computing

The Internet of Things is a network of digital devices, autonomous vehicles, home appliances, and other items embedded with electronics, software, sensors, and connectivity. More companies are turning to IoT solutions and Industrial IoT (IIoT) to realize a host of benefits, including gathering rich data to gain insights, monitoring remote and hard-to-access machines, automating processes, and optimizing industry operations.

However, many companies are reaching their bandwidth limits as transmitting massive amounts of data causes delays and poses security risks. Three questions arise: How can latency be minimized? How can high volumes of data be processed and analyzed efficiently? And how can IoT security and data protection be ensured? The way out is edge computing, which is decentralized data processing close to the data source instead of remote data centers or the cloud, enabling faster real-time processing and responses.

Our comprehensive industry-specific solutions and proven knowledge can give you the digital technology and real-time capabilities you need to use IoT applications.

Almost a third of European organizations using or planning to use IoT already use artificial intelligence (AI) for some functions in their IoT projects (IDC Spotlight report, Nov. 2022). Adding AI to an IoT project can boost its commercial impact significantly. AI elevates IoT projects by

shifting them from data collection to data analytics exercises, using rich seams of real-time information to turn insights into action. Get the IDC Spotlight on AI, Analytics, and IoT for a deeper dive and recommendations.

What can we learn from digital leaders about cloud computing and edge? An authoritative IDC report is packed with insights on edge and cloud integration. Topics include the nine key challenges to overcome for cloud success, addressing the short and long-term challenges of edge workloads, and why a dedicated approach to edge computing is essential. Moreover, it outlines the top five most adopted edge use cases and has a checklist for edge success. Get the IDC Spotlight report here.

URL: https://www.t-systems.com/de/en/careers/students-and-graduates

With us, you can help shape IT solutions from the ground up

Do you belong in IT? Then this is the place for you. Discover the trends of tomorrow with us. T-Systems offers graduates and students all kinds of exciting career opportunities.

Are you interested in future-oriented IT projects on an international scale? Do you want to take on challenging tasks to help you grow? Do you want to get involved and can't wait to take on responsibility? We work in agile teams and are learning every day. Join in and become part of our team. We offer endless opportunities and development options. If you are a curious and open-minded person, you will never have a dull moment with us.

At T-Systems, I can work on future topics that have a really disruptive character. I can make a difference. At the moment, my professional focus is on software testing in the automotive industry. But I know that I can take many different paths in the future thanks to T-Systems' huge range when it comes to industry and technology.

Uzain, Automotive Software Developer

In an interview, Uzain tells us about his successful start to his career and which other tips he would like to give to other students and graduates.

As a founding partner of the Coding School 42 Berlin, we invest in training and attracting new tech talent and IT experts.

Our Graduate Program is intended for ambitious graduates. You have the choice between two development paths: Tech and Digital. In addition to exciting specialist training, you will also have practical assignments, supported by experts. Once you complete this program, you'll be ready to hit the ground running at T-Systems.

Our trainee program Start up! is an entry programm in Germany geared towards your needs. Over a period of 15 to 18 months, strategic-thinking individuals will get to know all of our company departments and work for three months in one of our European organizations. Innovative training programs are also included.

Do you have a degree under your belt and the desire to shape the future of companies that use SAP? With a one-year graduate program, we prepare you for the world of SAP. Here you won't just get to know us as a company, our processes, and our ways of working, you will also have the opportunity to work through various SAP associate certifications, including SAP Activate, the

implementation framework for the SAP S/4HANA business suite, in supervised learning groups.

Do you know exactly what you want? Then start your first job with us directly. We are looking for graduates with drive, curiosity and ambition, who see constant technological changes as a personal opportunity, and who want to actively shape these changes.

It's a while before you complete your degree, but you would like to start putting your university theory into practice now. An internship with us makes this possible. We are the first company to offer the option of a flexible internship (flexiship). You choose the timeframe for yourself – as you did your degree.

With us you have the opportunity to put your theoretical knowledge directly into practice. You take on your own tasks and can also finance your studies at the same time.

You are not sure yet where your professional journey will take you. Our Career Matcher will help you to find it out.

Do you want to meet us in person? We regularly attend trade fairs and events across Germany. We look forward to meeting you.

We offer attractive jobs for every career level – in a global network, with innovative technologies and a new-work environment.

Do you have questions regarding entry with us? I am happy to help.

URL: https://www.t-systems.com/de/en/industries/healthcare/topics/digital-health-insurance

How insured people can access healthcare services securely and quickly with the HealthID from T-Systems

The world is becoming more digitalized every day – from the electronic patient record (ePA) to the electronic health card (eGK). In such a scenario, how can we improve the safety and efficiency of healthcare services along with processing in the health insurance industry? The answer is digital identities: digital IDs that are used online to authenticate and authorize users. They ensure the protection of sensitive medical data and enable access to services.

The health insurance card is coming to the smartphone: based on the Law on Digital Modernization of Health and Nursing Care, (DVPMG), health insurers will have to offer digital identities to their policyholders from 2024. This health ID enables insured persons to access information and health applications, such as the electronic patient file (eGK) and the e-prescription. The big challenge: the ID must be extremely user-friendly and, at the same time, compliant with gematik's strict requirements in terms of security, data protection and interoperability. This will ensure smooth operation and acceptance of the technology.

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards.

The introduction of digital identities is an important step toward the digitalization of healthcare and gives insured persons sovereign control over medical information, such as their emergency data. The HealthID from T-Systems allows secure and convenient management of health data. It meets gematik's strict security requirements and provides insured persons with the central key

to healthcare applications. The technology is based on the "Confidential Computing" approach and ensures that data is encrypted during processing, which means not even operators can view it.

T-Systems was commissioned by BARMER to provide and manage digital identities for its approximately 8.7 million policyholders. These digital identities are offered via ID services, with T-Systems using the Verimi ID wallet as a secure method. BARMER plans to roll out this technology from January 2024, giving its policyholders easy and secure access to online services. This project is part of the requirements of the Law on Digital Modernization of Health and Nursing Care (DVPMG), which requires health insurance companies to offer digital identities from 2023.

BARMER provides secure digital identities in cooperation with T-Systems and Verimi. The ID Wallet from T-Systems and Verimi is seamlessly integrated into the BARMER app, securely stores identification documents such as the electronic ID card or the electronic health insurance card, and simplifies the login process by using a PIN or biometric features such as Face ID.

Digital identities create new opportunities in healthcare – Want to learn more or have questions about our HealthID? Our experts are ready and willing to help you!

URL: https://www.t-systems.com/de/en/about-t-systems/innovation-management/innovation-center

Our Innovation Center offers customers plenty of space for creativity and new ideas – in person or virtually in the metaverse

Innovative companies are more successful. In particular, if they use digitalization to implement ideas. You are increasing your resilience and securing business success by quickly adapting business models and products to changes. Which innovations bring you the greatest benefit? Our Innovation Center gives you the answers to this. Here we offer plenty of freedom for creativity and bring trends to life in an inspirational atmosphere.

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Our interactive, personalized workshops are at the core of the Innovation Center. Trained presenters prepare the workshop together with you. Depending on the objective, you use methods from the areas of design thinking or co-creation. The workshops can take place in the Innovation Center in Munich or in the Virtual Innovation Center. The latter is the digital twin of the Munich lab where experts and customers come together in the metaverse under purely virtual conditions. This also makes hybrid events possible.

Request digital innovation workshop

The experts from T-Systems and the customers take part as avatars in the virtual Innovation Center workshop. If the movements of the participants in the metaverse are a little clumsy to begin with, they soon pick up right after a short warm-up exercise. Then the work starts: product demos, presentations, workshops. Touch a drone here, start an IoT application there, all while conducting a short expert interview. Many people believe that the metaverse will become the future of our digital togetherness – in our case, augmented reality is already the starting point for

exciting innovations.

In the Innovation Center, we use the metaverse for collaboration and application cases to increase your value creation. This enables us to develop a smart health solution for the metaverse in a workshop: doctors from various specialties can discuss a patient's operation virtually. The patient's body floats as a hologram transparently in the center – all blood vessels, bones, and organs can be viewed and touched. A virtual tumor board gives doctors an insight into all medical data allowing them to find the best possible treatment.

Many innovative applications originated in the Innovation Center and came into being there as a co-innovation between T-Systems and customers. The examples range from smart greenhouses to forward-looking maintenance for construction machinery. Further innovative use cases are:

Use 3D animation to discover our Innovation Center in Munich: click through the rooms virtually and get information on interesting use cases. This includes highlights such as blockchain in the supply chain, smart farming and New Work.

Whether as an avatar in the metaverse, in person, or in hybrid form: our wide range of practical examples and showcases immediately bring innovation to life for you. In so doing, our experts give important inspiration and, together with you, determine which digital solution has the greatest benefit for your value creation. They accompany you on your digital journey no matter at which point you happen to be along the way: from advice and finding ideas to the development of prototypes and implementation, scaling, and operation.

The Innovation Center in Munich has an attached data center and offers plenty of space for co-working in addition to demo cases and exhibits. With a focus on creative cooperation, we also implement your ideas in further innovation hubs in Bonn, Utrecht (Netherlands), and Barcelona (Spain). In addition, we also offer flexible showrooms in many other cities where small personalized formats are possible, such as pop-up showrooms for one day.

Are you looking for new technological solutions for your company? In our interactive workshops, our experts work together with you to develop innovative concepts. Book an appointment at the virtual innovation center now!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/cloud-migration-framework

Modernize the way you work, make smarter decisions, and gain a competitive edge with a robust cloud migration strategy

Digitalization has caused a paradigm shift in business operations by making it imperative for enterprises to be agile, responsive, and adaptive to changing market conditions and customer expectations. In this context, a strategic decision on cloud migration to power business performance can be a game changer. Think modern, scalable enterprise IT, disaster recovery, efficiently managed workloads, and optimized spend in a secure cloud environment.

When you consider moving to the cloud, it raises a few questions:

The answer lies in T-Systems' Cloud Migration Framework. No matter where you are in your

cloud journey, we assess and advise you on cloud by analyzing your IT landscape and needs. Our automated assessments, best practices, and cloud-agnostic approach address real-world challenges to keep you on track to achieve your business objectives.

This white paper helps you learn about the various factors that are crucial for a successful cloud transformation and illustrates how you can maximize cloud's potential.

Whether you are moving the infrastructure or just a single application to cloud, it is a big step. To optimize the process, we follow a consultative approach by conducting a cloud readiness assessment. The assessment enables us to study your unique business challenges and goals, and recommend solutions – public, private, or hybrid cloud – to formulate an effective and customized cloud migration strategy that reaps the benefits of cloud.

Our agile and unified framework covers the entire spectrum of the cloud adoption process right from the first customer discussion to the migration and optimization of the cloud environment. Armed with the capability to support and integrate with hyperscaler platforms, the framework ensures strong security measures for a low-risk, highly automated migration and modernization.

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Watch Jonas Niessen, Director, Cloud Adoption Services, T-Systems, present a detailed account of our Cloud Migration Framework.

In the light of new digital initiatives and trends, such as eSports and gaming, the pressure was on traditional football clubs to reinvent themselves to gain consumer attention and loyalty.

Three important cloud migration questions answered via engaging infographics

Get in touch for a free Cloud Application Assessment and let our experts work with you to design the architecture and roadmap for future development.

URL: https://www.t-systems.com/de/en/industries/finance/digital-bank-branch

Optimizing processes with innovative solutions and tailoring them to current client needs

With digital solutions, branches can be restructured, costs reduced and adapted to changing customer requirements. This is due to the fact that while clients increasingly do their banking online, they still use personal advice in the bank branch. That is why banks need an omnichannel strategy and branch employees with CRM need a holistic view of client data so that they can also advise their clients online if necessary.

Companies need efficient process management to optimize costs and retain customers. The coronavirus crisis has highlighted the necessity of disruption-free communication with colleagues or customers in today's working world. Through consistent end-to-end consideration of the processes, we combine high automated usability levels with our solutions, low-cost operation and quick response to changed framework conditions.

Website, online banking, branch: Today, clients can get their information through all the

company's channels at the same time. This increases their expectation that client advisors will know instantly which service they want and what information or client data may be of use to them. Successful customer service and marketing can, therefore, only succeed with a 360-degree view - especially in the branch. As the largest reselling and integration partner of Salesforce, we offer banks a flexible Salesforce cloud platform that allows them to design their clients' individual journeys through Salesforce. The cloud operations comply with all applicable laws and regulations and the solution can be onboarded quickly.

Do you want to have a 360-degree view of your customers and always know what they are interested in? Find out more about our extensive Salesforce expertise.

The coronavirus pandemic has shown that anyone who wants to protect their employees and visitors and comply with policy guidelines must adapt their working conditions and processes: social distancing, limits on numbers of people in meeting rooms and quick identification of infected individuals are just a few of the measures designed to prevent sending the whole company into quarantine or a branch lockdown.

With innovative solutions and tools, new omnichannel strategies can be implemented while saving costs and reviving dwindling client engagement through online banking. We would be happy to advise you on the solutions you can use to future-proof your branches and omnichannel.

Which room is being used and when? Are doors and windows closed in the evening? How many people enter the canteen? What is the air quality like in the conference room? The all-in-one solution, Building Monitoring & Analytics, answers these questions and allows banks to monitor their entire building infrastructure easily online. Room sensors record the movement of people, the status of windows and doors, temperature, humidity, brightness or CO_2 content. Special software analyzes and visualizes the data in near real time. This reduces facility management costs and improves service.

Would you like to know how you can digitalize your facility management with the help of the complete IoT solution Building Monitoring & Analytics?

An ever-growing number of processes can now be run in their entirety online using the internet. Whether it is online banking, the conclusion of contracts or virtual health advice. A major challenge here is the secure authentication of users, which tends to be done mainly by entering a username/PIN and password. But this is reaching its limits and misuse is on the rise. With BehavioSec, T-Systems offers a new authentication method that uses machine learning to create individual user profiles from keystrokes, cursor movements, touchscreen pressure and other activities. It secures online processes by continuously recording user behavior from login to logout.

The coronavirus pandemic has accelerated the process: a growing number of bank and savings bank branches is closing. Especially younger bank clients conduct their financial transactions online. Even ATMs are no longer used as often, as debit or credit card payments have become mainstream. This carries the risk that banks lose important personal contact with clients, which is bad for customer loyalty. The alternative: virtual bank branches as an all-in-one solution with a 24x7 self-service platform including video advice, video identification and digital signatures using a sign pad.

URL: https://www.t-systems.com/de/en/about-t-systems/in-focus/tomorrow-board

Empowering and motivating Gen Z to leave an impact and share their insights about the future

We empower Gen Z, listen to their views about the future, enable generations exchange and empower innovation and creativity. We created 10 events last year to serve the Tomorrow Board community. We organize events, workshops, and roundtable discussions with experts from both within and outside of Deutsche Telekom.

Tomorrow Board is a community that consists of generation Z and wants to make impact by finding solutions for futuristic topics. It's led by our young Chief Tomorrow Officers (CTOs) at Deutsche Telekom. We come together every 4 to 6 weeks to discuss topics that have impact on the environment, organizations, and society. With the different cultures and backgrounds that exist within the Tomorrow Board, we come up with innovative concepts for the future. We already had more than 10 events in 2022 and we expect to do more events in 2023 with you and your inspirational ideas!

The Tomorrow Board is the perfect opportunity to gain experience within an international organization, even with a busy study schedule! Get insights about the business world while studying. Grow your professional network by meeting top experts from inside Deutsche Telekom and outside! Get inspired by the new technologies and products that Deutsche Telekom is working on. We empower and motivate Gen Z to leave an impact and share their insights about the future.

Meet and connect with experts from different areas such as:

So, are you enthusiastic and open-minded to shape the future with students from diverse backgrounds? Then, we would love to have you with us in the Tomorrow Board.

"The Tomorrow Board is an outstanding group of diverse people with a common passion for questions of the future. Every single attendee contributes valuable knowledge and is challenging the status quo. From my perspective every company should have a Tomorrow Board."

Vice President Digital Experience, T-Systems

"Being a part of the Tomorrow Board has helped me broaden my horizons and I feel very honored to be a part of this inspiring community."

Tomorrow Board Golden Member

"I do see the Tomorrow Board as a very important two-way street for the future. It is important, that we, as senior leaders, help the Tomorrow Officers to start navigating though the existing business world. But, on the other hand, it is also important for the Today Board to understand how the business world will look like tomorrow. That's why I really enjoy being part of this great initiative!"

Senior Manager Global SI Partners, Amazon Web Services (AWS)

"To be part of the Tomorrow Board community as an expert was a great honor. I loved discussing social selling with the Gen Z and had the chance to gain a lot of insights on how this generation is looking at the new way of selling."

Marketing & Social Selling Expert, Thought Horizon

"A truly unique and inspiring format that builds bridges between young talent and top management. I really enjoy exchanging ideas with my peers on innovative topics and discussing the bundled ideas with management. By integrating the next generations, Telekom will remain successful in the long term."

Business Analyst, Detecon

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Here is a video of a roundtable discussion that shows how we broke the ice and encouraged the next generation by giving them a voice, taking their thoughts on the future seriously, facilitating communication between the generations, and fostering a culture of invention and originality.

* Field required

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/application-value-management/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

First sandbox development environment for the automotive industry based on Eclipse and Gaia-X in the US.

T-Systems bundles methods and processes for cloud migration and thus sets a new standard for company digitization.

For digital health applications (DiGA): T-Systems offers developers and operators the optimal basis for the cloud.

Explore how various container vulnerability scanners can be used for Docker local images.

Traditional SAP development versus DevOps: How new requirements can be implemented more quickly using agile methods.

Automate the management of containerized apps with the Managed Red Hat OpenShift Service on AWS (ROSA).

Experts from Intel, IDC, and T-Systems will teach you how to use AI, analytics, and IoT to your advantage.

Experience digital innovations first hand – either on site or in the metaverse – and try out

exciting use cases.

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We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/us/en

First sandbox development environment for the automotive industry based on Eclipse and Gaia-X in the US.

T-Systems converted the foundry's SAP environment to Amazon Web Services without downtime.

A cloud solution as unique as your business.

See what is next in your industry and how we are shaping the digital transformation for you.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

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Discover how innovative technologies enable new business models that improve the lives of countless people: from autonomous driving to neuronally controlled exoskeletons.

Shape the digital future of your company with T-Systems now!

Our experts look forward to answering your questions about the planning, implementation and maintenance of your digitalization plans.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

Get up to date information on T-Systems' solutions and events – direct to your inbox!

URL: https://www.t-systems.com/de/en/analyst-ratings/digital/isg-provider-lens-2022-servicenow-ecosystem

Leader in ISG Provider Lens™ ServiceNow Ecosystem Partners 2022, Germany – consulting, implementation, and managed services

T-Systems and operational services (T-Systems/OS) is ranked as a leader in 3 categories for

ServiceNow services in Germany. In its report, Provider Lens™ for ServiceNow Ecosystem Partners 2022 – Germany, ISG positioned T-Systems/OS as a leader across all the three quadrants for ServiceNow consulting, implementation and, integration and Managed Services. ISG has mentioned T-Systems/OS as one of the most prominent ServiceNow Elite partners in Germany.

Florian Scheibmayr, Principal Analyst at ISG, comments: "With Detecon, T-Systems offers a leading technology-based consulting capacity to the local market." On T-Systems/OS' capabilities for ServiceNow Implementation and Integration Services, he observes: "T-Systems/OS offers a broad range of possible deployment possibilities of ServiceNow to the German market." In context of T-Systems/OS' ServiceNow Managed Services, he notes: "T-Systems/OS is a provider of choice for enterprises in Germany, especially those that want to maintain their ServiceNow data in local data centers."

T-Systems/OS is amongst top 2 vendors by competitive strength for ServiceNow consulting. ISG highlights T-Systems/OS and Detecon's key strengths as consulting capabilities, Quickcheck offering & innovation for ServiceNow platform. ISG highlight's Detecon's deep experience in delivering technology-oriented consulting services to German enterprises and comprehensive portfolio as key differentiators.

T-Systems/OS is a leader in this category for second year in a row as a result of successful projects for pandemic relief, contract lifecycle management and ServiceNow integration in smart factory and digital manufacturing models. In particular, ISG highlights T-Systems/OS' partnerships for mapping IT value chains on one platform with a common data model as a key differentiator.

T-Systems/OS is one of the top vendors by competitive strength in this category. ISG highlights T-Systems/OS' ability to attend specific German laws and vertical needs, different management and hosting options and ServiceNow application and operations management as key strengths. ISG takes a note of vertical solutions such as CLM, VR showroom and connector layers for SDN offered by T-Systems/OS.

In this report, ISG highlights key strengths for T-Systems and its subsidiary operational services that result in the leader position for T-Systems/OS across all ServiceNow services – consulting, implementation, integration, and Managed Services.

* Field required

We are happy to provide you with the right experts and answer your questions about planning, implementation and, Managed Services for ServiceNow. Request an appointment now.

URL: https://www.t-systems.com/de/en/security/topics/cyber-security-awareness

A strong cyber security culture improves compliance, reduces risks, and creates a competitive advantage for your business

As businesses adopt more digital technology, the compliance and cyber security landscape becomes complex. To develop an effective compliance strategy, businesses must stay one step ahead, ensuring they have access to expert resources and allocate ample time for its thorough implementation.

Non-compliant businesses are risky. They are more vulnerable to cyber attacks with data security and governance policies. They are also likely to get penalized for non-compliance. With such penalties or attacks, businesses tend to lose out on customer trust and reputation – along with monetary consequences. On the other hand, compliant businesses can protect their systems better by reducing cyber security breaches and demonstrating more accountability. Therefore, they win their customers' trust. We can help your business get there with a culture of strong cyber security and improved compliance.

Why must businesses focus on both cyber security and compliance together, and how can compliance be turned into an advantage? Discover how compliance results in customer trust and more.

It's critical to assess and audit how compliant your business is. We can help you understand what regulations and cyber security compliance frameworks are applicable to your business and how well your business is equipped with cyber security measures. We will also find if there are any vulnerabilities and risks your business is exposed to. Once we assess that, we can create a roadmap for you to become more secure and compliant – and lay down various options to ensure business continuity.

We have the right experience in strengthening security posture and compliance for businesses of different scales. Our security experts understand the evolving threat landscape, we have the right tools and technology to help you improve organizational awareness and become compliant. For many businesses, we are an end-to-end security partner who takes care of advisory, implementation, and operations – so that businesses can continue to focus on their competency.

Talk to our experts to understand how your business can become more secure and compliant with a strong culture of cyber security.

URL: https://www.t-systems.com/de/en/application-services

Companies implement, operate, develop, and create cloud-native apps with cloud application services

Cloud applications and solutions from organizations such as SAP, Salesforce, and ServiceNow enable organizations to automate and digitize their operations. They help them standardize their processes, optimize workflows, provide better user experiences, improve customer service, and enhance customer journeys. But as their application landscapes become increasingly complex, how can they best manage them?

But as companies adopt cloud applications, what should they do with the historical legacy data they are legally required to maintain for defined periods? Maintaining aging systems may not be practical. Read our white paper for the answer.

Our IT contribution assisting you throughout your applications' entire lifecycle.

Stable SAP landscapes and maximum performance are crucial for success. Why SAP Application Management is the basis.

Find out in our trendbook, the benefits that automated processes bring to your company.

Automated IT and business processes improve efficiency and reduce costs for companies.

Develop applications quickly and operate them reliably with site reliability engineering on AWS.

Automate the management of containerized apps with the Managed Red Hat OpenShift Service on AWS (ROSA).

Get specialist support modernizing and optimizing your application landscape and automating IT support activities. We have a proven framework and the experience to deliver next-generation application services.

URL: https://www.t-systems.com/de/en/industries/public-transport/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how modern public transport companies use our solutions to increase their flexibility, productivity, efficiency, and quality.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

Verkehrsbetriebe Zürichsee and Oberland AG practice penetration tests.

Security training for Verkehrsbetriebe Zürichsee and Oberland AG.

Toll4Europe supports cross-border trips with just one on-board unit.

T-Systems is introducing temperature scanners for the buses of a public transport provider.

With Particulate's donation platforms, companies can support social projects of their choice with so-called SocialCoins.

How T-Systems and VDV eTicket Service use the Open Telekom Cloud to simplify travel between regions.

Fully-integrated complete solution provides digital traffic management and smooth processes.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/open-telekom-cloud

Get the cloud capacity that fits your individual use cases on demand and in seconds

The Open Telekom Cloud offers Infrastructure as a Service (IaaS) from the public cloud. Companies of all sizes and in all industries can obtain computing resources flexibly at the push of a button and benefit from all the advantages of a public cloud environment. Use the Open

Telekom Cloud as needed for your applications – for everything from more computing capacity, to hosting, storage, disaster recovery, and data analysis.

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(German video with English subtitles)

Looking for an alternative to US hyperscalers? With the Open Telekom Cloud you receive public cloud resources from German data centers. Zero Outage and certifications such as the Trusted Cloud Data Protection Profile (TCDP) and TISAX3, an automotive security standard, enable the best possible protection – and reflect your compliance, GDPR, and security requirements.

You have every freedom: choose services and features from the Open Telekom Cloud that suit your business model. These include scalable computing, storage and network resources, management and security functions, Platform as a Service, Software as a Service, and an optional hybrid version.

Take advantage of the rapid provisioning of cloud resources to meet different needs. For example, to absorb peak loads in online trading, to evaluate large amounts of data with artificial intelligence, or to obtain more storage space. Numerous services are available for this purpose – from tools for the simple use of containers to disaster recovery, virtual desktops, and SAP-certified servers.

All cloud services can be booked and debited as required within minutes. Two price models are available. With "Elastic Open", a pay-as-you-go model, you only pay for the resources that you actually use. The "Reserved" model is different: We contractually reserve capacities for permanent users for 12 or 24 months – including a corresponding discount.

The Open Telekom Cloud offers open interfaces and is also based on the open source cloud architecture OpenStack. This open standard enables you to integrate your IT projects and infrastructures into the Open Telekom Cloud with the greatest of ease.

The Open Telekom Cloud is also one of the best in terms of environmental sustainability – another argument for companies to choose the Open Telekom Cloud. We achieve this with 30% lower energy consumption compared to other data centers.

The Open Telekom Cloud is provided from the highly secure Telekom data centre in Biere, which with 1.3 PUE (Power Usage Effectiveness) requires 30 percent less energy than comparable data centres. A performance that the US certifier USGBC has awarded gold status according to the internationally recognised LEED rating. In addition, Telekom's data centre is powered 100 percent by electricity from renewable sources.

#GreenMagenta

Expand IT with flexibly scalable resources: brodos.net has succeeded in doing this, with the Open Telekom Cloud.

Film production is becoming increasingly digitized: UFA integrates the cloud into its filming data process.

With user-friendly analysis software and secure services from the Open Telekom Cloud, FORSIT can manage the company more effectively.

How the Fiber Factory accelerating fiber optic expansion with flexible and secure resources from the Open Telekom Cloud.

Fuse-AI facilitates medical diagnoses using artificial intelligence from the Open Telekom Cloud.

The high level of data security and data protection provided by the IT resources of the Open Telekom Cloud from data centers in Saxony-Anhalt played a central role in hosting our omnichannel platform. Our customers entrust us with very sensitive data. Trust is therefore essential for our business. We would likely not be able to attract some of our projects and customers without such a trustworthy cloud basis.

Udo Latino, Managing Director at the start-up brodos.net

Do you have questions about the Open Telekom Cloud? We will be happy to connect you with the right experts and answer your questions about planning, designing, and operating your Open Telekom Cloud.

URL: https://www.t-systems.com/de/en/industries/finance/datacenter

Future-proofing data centers with cloud infrastructures, modernization of legacy systems and business software.

Banks need to strike the right balance: on the one hand, they are supposed to modernize existing IT landscapes, software and legacy systems that are still needed. On the other hand, new reference models for IT infrastructure and business software, for example, cloud services, help to make processes more efficient and save costs, while running everything in a fail-safe manner and in compliance with applicable laws and regulations. At the same time, modern technologies such as blockchain, AI or big data are moving into the data centers of financial institutions.

Bringing the IT systems to the cloud for all locations at a touch of a button is rarely possible. This also applies to banks that cannot yet do without legacy applications, on-premise systems and software in their data centers. But how can they still benefit from IT cloud services without having to migrate or remove legacy applications and business software in the data center? After all, the ongoing operation of business-critical IT resources in the data center must not be put at risk. The Future Cloud Infrastructure from T-Systems as a managed private cloud service combines legacy and on-premise systems with private and public clouds. The result is a highly secure private cloud environment with all the features of a public cloud in the cloud data center.

Although digitalization is essential for insurers, the implementation is still lagging. Find out why in our white paper.

A cloud strategy is in place, but legacy systems are slowing down the transition? How to modernize your IT with little effort.

Even in the future, the IT architecture and IT components of a bank will not solely involve cloud infrastructure in external data centers. In addition to on-premise systems in in-house data centers, private cloud as well as multi and hybrid public cloud will continue to be used. The operation of this orchestra of hyperscaler services, private cloud solutions and mainframe on-premise systems can be managed flexibly, with high quality and secured by comprehensive security solutions with a modular framework from T-Systems. We show how banks can get their entire IT infrastructure under control with new applications, modern platforms and new systems and make the IT orchestra sound harmonious.

The platform economy enables banks to innovate and operationalize the client interface in an innovative and customer-centric way. It represents the management of the backbone for all digital offerings of a bank. Successful platform-based business models are also characterized by a technologically integrated all-in-one approach. With the cloud billing platform from T-Systems as a service module, banks can implement billing models for products or services with few interfaces. Partners or third-party solutions can easily be accessed through standardized interfaces. In this way, new technologies, sales opportunities and business models can be monetized.

Read our whitepaper "IT-Security for Financial Institutions in Cloud age" and find out how financial institutions can overcome security reservations and compliance challenges.

The condemned live longer. The mainframe as the central backbone of bank IT has not had its day despite the triumph of cloud computing. For financial service providers, it is vital to ensure maximum protection of their clients' data from unauthorized access. And there is still skepticism, especially when it comes to public cloud services. At the same time, banks have to bring their antiquated data center architecture into the modern age. T-Systems shows how this can be done with "zFuture", a secure modernization path that modernizes existing systems and older applications on the mainframe in an agile and gradual way.

Catapult your legacy systems into the modern age with minimal risk and disruption through Future IT Transformation Suite.

Banks' opinions on this topic have always been divided. While some believe that SAP is finished with regard to banks, others believe that SAP is only at the beginning of its journey in the financial institutions sector. As nearly every bank has a SAP module in operation, they will have to consider whether they need to go to the cloud with SAP, migrate to S/4HANA or switch to other vendors. No matter which decision companies make with regard to SAP: As the largest SAP hosting provider in Germany, T-Systems offers an optimally tailored service for SAP solutions with over 20 years of experience: whether for migration to S/4HANA, to the public cloud or operation in a private cloud.

From private to multi-cloud; this allows you to orchestrate cloud platforms and SAP® service as end-to-end solutions.

We would be happy to provide you information about interesting IT developments that will also make digital transformation easier for your financial institution and data center. Our IT and banking experts will show you which IT systems and IT services you can use to master your challenges.

Banks are still hesitant to use AI, although studies show that there is confidence in the benefits

of artificial intelligence. As a result, four in five financial institutions are planning to increase their AI investments by 2025, as they see AI as critical to unlocking new growth opportunities and reducing costs. This is because AI technologies make banking processes faster and back-end operations more efficient. AI is also an alternative solution to increase customer engagement, as chatbots and robo-advisors make it possible to interact with clients 24/7 and offer products and services tailored to individual needs. For example, microcredits can be granted in real time using i.a. smartphones.

Is data hidden in documents, e-mails, pictures? How to use this potential for data-driven business models.

URL: https://www.t-systems.com/de/en/events

Benefit from the latest knowledge in digitalization – Engage with top expertise and leading technologies

Discover how you can move to cloud smarter with maximum flexibility, using VMC Flex, developed by T-Systems.

Do you want to put your ideas into practice? In our workshops, you are sure to find the right inspiration!

One city – two days – four quarters: A look back on the third world exhibition of digitalization in Cologne.

Experts from Intel, IDC, and T-Systems will teach you how to use AI, analytics, and IoT to your advantage.

A key to putting your business into digital fast-track with experts from Pegasystems and us #Fastlane2Digital.

We are happy to support you with your questions and projects even beyond events. Please arrange an individual appointment.

URL: https://www.t-systems.com/de/en/immersive-technology

Learn and implement practical VR and AR solutions with our expert guidance with new tools, concepts, and technologies

Immersive technologies, from augmented reality to virtual reality, are revolutionizing the tech world. With the advent of the omniverse/ metaverse, their impact with huge implications for remote work, heavy industries are set to grow exponentially. T-Systems and its partners are here to guide companies on how to harness these technologies for their growth. Learn from us and immerse your business in the future.

Industries face recurring issues: manufacturing safety, healthcare costs, aviation risks, and retail optimization. T-Systems and its partners are providing innovative AR/VR solutions necessary for industries to adapt and thrive in an ever-evolving landscape. Learn how!

Learn how to realign technology solutions to offer an immersive & personalised employee experience.

What makes a superb customer experience (CX), what turns customers off, and how can you create a winning CX strategy?

Explore less mature, newly emerging technologies that are considered important milestones of digital innovation.

Digital twins are more than visual replicas of machines, buildings, or facilities. They depict virtual realities. Does the future belong to digital twins?

Machine learning (ML) and artificial intelligence (AI) technologies can be used to address many of the identified targets of digital innovation.

If you have questions or feedback regarding our VR and AR solutions, we're here to assist you. We are excited to discuss your vision for your immersive technology and build it into a reality. Get in touch!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/co-location-services

Companies gain multiple benefits with co-location services: Total costs are reduced, business continuity is ensured

For companies that do not want to operate an on-premises data center or prefer to give up their existing data center, there is an alternative: co-location. The data center is set up with an IT provider, while the server operation remains in the hands of the outsourcer. Co-location can be used for business continuity and disaster recovery.

Co-location has turned out to be an alternative for the self-operation of a data center. It is the right choice for companies that operate their own IT, but do not want to be burdened with data center infrastructure. With co-location, the user company retains complete access to the hardware, but is no longer burdened with Facility Management. Maintaining owned buildings for the operation of IT resources is no longer needed, including physical security, fire protection, (emergency) power supply and air conditioning. A co-location provider like T-Systems can takes this over, making space available at its own data center premises. In addition, energy-efficient co-location data centers offer the opportunity permanently reduce costs.

The ready-to-go data center space includes redundant power and air conditioning supplies, including a self-sufficient emergency supply, excellent network and grid connections and separate fire protection zones. T-Systems guarantees the security standards, certified operation and modern structural design – basically everything that would also apply to one's own data center space.

Co-location is a useful addition even for modern sourcing concepts: Legacy systems that have yet made the leap to the cloud can be parked in co-location data centers. This also applies to companies that set up or renovate their own data centers. As new BSI guidelines stipulate increased geo-redundancy, IT managers need to develop new strategies for business continuity. And co-location is an excellent choice here as well: as an additional area for disaster recovery or backups.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

The T-Systems data centers offer maximum availability, highly redundant power, air conditioning, network and grid supplies, and in addition in the event of emergencies self-sufficient power supply plants.

Only a few companies know the total costs of ownership (TCO) of their data centers, meaning the total costs for acquisition and operation. And yet the TCO is the most important factor for a decision in favor of co-location, even if a blanket one-to-one comparison with self-operation is difficult. Co-location is about the ratio of CAPEX to OPEX. While the investment expenses drop, the operating costs can rise. The costs for infrastructure management become transparent for the first time in many companies. Direct cost advantages result primarily from energy-efficient data centers.

Beyond the original co-location portfolio, some service providers offer additional services such as encryption hardware, planning, cabling and connecting to various cloud providers as well as network services. It's possible the servers of the cloud providers will even be in the neighboring room. The selection of a co-location provider furthermore opens the opportunity for a more high performance network connection of IT services. Up to 240 GB/s are possible.

T-Systems data centers in Munich, Frankfurt and Magdeburg/Biere meet the highest security and management standards. If desired, T-Systems can add further IT services to its co-location services: broadband network connections, conception, security design and on-site services. In the co-location model, user companies retain full control over their IT down to the infrastructure level, meeting all regulatory requirements for IT operations. The data center network also allows the geo-redundant operation of IT in accordance with the recommendations of the BSI (Federal Office for Information Security) published in 2018. The BSI raised the minimum distance for geo-redundancy to 100 kilometers. The recommendation is actually 200 kilometers. For distances over 100 kilometers the packet running times in active/active-clusters are so great that real-time synchronization is not possible. Therefore with a distance of 200 kilometers, only a backup data center can be considered.

Come by and see the Biere/Magdeburg data center – 10,800 sqm of data center space are waiting for you.

We look forward to your visit!

Business-critical IT systems need a redundant, fail-safe (Disaster Recovery D/R) setup for failover or fallback scenarios. If one part of the cluster fails, the other takes over with a minimal RPO/RTO (Recovery Point Objective, Recovery Time Objective), in order to ensure business continuity. Customarily the two D/R clusters are built in different data centers, or at a minimum, in different fire protection zones. Co-location is a general option for redundancy. The primary systems of the company are operated in their own data center while the D/R mirror is in a suitable colocation DC.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/industries/public-sector

The dream of less bureaucracy and greater efficiency – hardly feasible without digital

transformation

Digital transformation is changing the world and society at an ever-faster pace. And the public sector must also change in line with this – with fewer and fewer staff, it must set the course for the future. This includes not only reducing bureaucracy and making processes more citizen-centric but also driving forward sustainability strategies. New technologies play a crucial role in this.

The importance of digitalization for public services in the transition to e-government is well recognized. The digital decade and national initiatives such as the Online Access Act or the German administration cloud are proof of this. But how do groundbreaking end-to-end digital services in government organizations emerge?

Public administration plays a decisive role in making sustainability a reality. But the topic has many facets: from strategy to the definition and identification of data, effective management, and the implementation of solutions that combine environmental, social, and economic aspects.

In Europe, digitalization projects are subject to clear regulations, e.g., on data protection and security. The use of digital building blocks with the cloud, data analytics, artificial intelligence, etc., needs a sovereign framework. How can public sector entities ensure digital sovereignty?

How a coastal city in the Canary Islands of Spain is embracing "smart tourism" as part of its ambitious smart city project with help from T-Systems' AERO-PULSE platform.

GovMarket migrates operations and becomes a customer of T-Systems' Sovereign Cloud, powered by Google Cloud.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

Read about how a German federal state's cybersecurity policy set an example to other public institutions across the world.

What is the meaning behind the buzzword and what significance does sovereignty have for digitalization?

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/careers/professionals

We can offer you endless possibilities to shape your IT career

We bring people together – through simple IT and telecommunication solutions for national and international customers. For this, we are looking for professionals that feel at home in the digital world. Challenging projects and an agile work model await you. Whether you join us as a consultant, architect, project manager, or software developer, whether you specialize in IT or ICT – we have jobs that challenge you and teams that make work fun.

Do you value an open company culture, in which success is founded upon the exchange of ideas? Do you enjoy developing extraordinary ideas? Would you like to have colleagues who share your enthusiasm to develop these ideas with? Are you passionate about technology and people? Then you've come to the right place!

It's fascinating to work with new topics and technologies before they become mainstream. At T-Systems, I am often ahead of the game. We are on an exciting mission and are the pioneers of Telekom.

Gregor Logmin, Product Manager

If you want to realize a complex technical project, you need a planning and orientation framework for participants to abide by. As software or network architect, this is your responsibility. Your customers want an adaptable solution for their IT landscape or telecommunication system. To develop this, you need experience in project management, database administration, or network planning, as well as in system architecture. Architecture methodology and Java/network technologies are right up your alley and you know the standard development tools inside out. You will also require customer focus, as what the customer wants must be central to all work processes.

Jobs for IT Architects

Are you a talented optimizer? Then we have the job for you:

you will analyze our customers' existing systems and develop concepts to improve them. You will formulate strategies, create feasibility studies, and suggest solution designs. As a competent consultant, you will stay at the customer's side until the project is complete and maintain contact with all involved. You are always up to date on the newest technologies and have experience with, among others, cloud or LAN and WAN technologies (Microsoft, AWS, OpenStack, Google/routing, switching, network security, or VoIP).

Jobs for IT and Telecommunication Consultants

As a project manager you are in charge of project planning and are the key contact for all involved: from programmers and designers, to sales and of course the customer. Within the project you will define numerous targets and work processes and manage costs effectively. You are technically experienced and familiar with project management tools and how to automate business processes. But above all, you should be good at working with people.

Jobs for IT and Telecommunication Project Managers

As a programmer, you plan and develop the building blocks of software or entire applications and can reconcile customer wishes within the technical possibilities and economic constraints. Computer scientists in software development create systems in a way that allows the individual components to communicate with one another.

You are well acquainted with database and web technologies, as well as standard tools from the data warehouse/BI environment. You are also a talented communicator, as good software requires teamwork.

Jobs for Software Developers

We offer attractive jobs for every career level – in a global network, with innovative technologies and a new-work environment.

Do you have questions about working for T-Systems? I am happy to help.

Recruiter

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/cloud-migration-for-mcb

Discover in our video how T-Systems helped metal supplier MCB with their cloud migration

A few years ago, MCB, an international company and wholesaler of steel, decided to adopt a cloud strategy to power its business performance. T-Systems helped in migrating the services to the cloud and provided management services. The managed cloud services are provided in Azure, and all MCB's services and applications run there. This includes everything from financial systems to office automation and security that does not have to be near the production line.

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Jasper Maaten, MCB's expert explains how T-Systems and Azure helped them in migrating their services to the cloud.

(Video is in Dutch with English subtitles. Please click the button at the bottom of the video to show English subtitles.)

From its head office in Valkenswaard, the MCB Group guides its operating companies in the Netherlands, Belgium, France, and Germany. These operating companies are chiefly active as wholesalers and service centers in metal, including steel, stainless steel, aluminium, copper, and brass. More than 900 employees are active within the MCB Group.

mcbgroup.eu

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/search

URL: https://www.t-systems.com/de/en/newsroom/futurepractice/issue-02-2022

Be it companies, governments or individuals, everyone is now taking cognizance of climate change and doing their bit to conserve natural resources and save the planet.

In this issue of the Future Practice magazine, read about how organizations are embracing innovation to make effective decisions around carbon neutrality and our environment.

After all, tomorrow's climate targets cannot be achieved using yesterday's technologies.

How a coastal city in the Canary Islands of Spain is embracing "smart tourism" as part of its ambitious smart city project with help from T-Systems' AERO-PULSE platform.

DB Cargo: Data analysis enables more operating time on the tracks.

"Liga na Estrada" – explore how this innovative application co-developed by T-Systems and Mercedes-Benz do Brasil works and how it helps drivers and fleet owners.

Our guest for this issue, Oliver Wolff, talks about the prospect of offering bus and train drivers a uniform public transport experience.

Gone are the days of paper chaos and red tape in the delivery industry, thanks to Cloud4Log, a project created jointly by GS1 and the Bundesvereinigung Logistik.

Using SAP solutions and operations to tackle carbon footprints.

How the electricity and gas network operator Bayernwerk AG playfully promotes sustainable energy sources to its customers.

Networked mobility with central data management that is mandatory by law offers a way out of the problems of public transport in terms of overcrowding and searching for connections.

The first-ever AI opera, Chasing Waterfalls, premièred in Dresden.

1. FC Köln was able to tackle fluctuating fan footfall on its website, thanks to an AWS solution from T-Systems.

A T-Systems Personality Check is a fun way of determining how things stand – in technical discussions about clouds, for instance.

How can the integrated security approach help companies from the energy sector struggling with increasingly sophisticated attacks and a shortage of qualified security experts?

URL: https://www.t-systems.com/de/en/application-services/solutions/servicenow-solutions/ambika-ev-cha

We are digitalizing and automating the process of EV station rollout and station management

To remain competitive in the EV (Electric vehicle) charging station business, companies will have to ensure rapid rollout of the charging stations as well as manage the operations. One must rely on systems that are intelligent, scalable, modular, and compatible with a variety of IT landscapes and platforms. Introducing AMBIKA, our ready-to-use end-to-end EV charging station management system for quick and easy station rollout and maintenance.

The inbuilt modules of field service management and customer service management enable cloud-based digitalization of the station rollout process and station operations effectively. The solution is developed on a modular and flexible framework such that it can be easily tailored to

meet specific business requirements. Furthermore, it has user based load distribution function i.e. ability to sense the users based on their profiles and work patterns powered by the ENIO ETSWeb platform enabling easy power distribution to charge EVs efficiently.

Our charging station management system has a wide range of applications in the EV charging business for Charge point operators (CPOs), Electromobility providers (EMPs), energy providers, field service technicians, insurance partners, logistic players, spare parts suppliers, and many more. Its comprehensive set of functions enables:

And this brings speed (time to market), volume, and competitiveness (service quality and experience as well as efficiency) to the operators!

Ready-to-use Charging Station Management System for the complete lifecycle of an EV driver

Ready-to-use Charging Station Management System for complete lifecycle of e-mobility service provider

Ready-to-use Charging Station Management Systems for complete lifecycle of a charging infrastructure

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Start into the future now! The EU has agreed to deploy more than 1 million new public EV charging stations by 2030. Ambika harmonizes the expansion of your EV charging network and helps to harmonize fragmented IT landscapes.

#Green Magenta

With our expertise in ServiceNow platforms and other emerging technologies, we offer a unique blend of consulting and end-to-end implementation and integration services. Get in touch with our experts now!

URL: https://www.t-systems.com/de/en/sovereign-cloud/topics/cloud-use-in-regulated-sectors

Sovereign clouds enable companies to tap into the potential of digitalization and meet the requirements of regulated industries

To be successful, companies must ensure secure business processes. The challenges are immense: You need to use the cloud to be flexible. At the same time, critical information - such as in research and development - and personal data must be protected and the regulatory requirements of their industry must be met with robust cloud security measures. The solution is digital sovereignty, which gives them full control over their data and systems.

Companies, especially those in highly regulated sectors such as public authorities, banks, insurance companies and the healthcare sector, are still hesitant when it comes to using public cloud services. One reason for this is they fear losing control of their data. To ensure secure business processes, data must be reliably available in cloud computing and protected against unauthorized access. Data sovereignty ensures that data in the cloud cannot be manipulated, deleted, copied or viewed by unauthorized persons. To enable this, designing a comprehensive cloud migration strategy is paramount, which takes into account data privacy and security while allowing you to enjoy the scalability and agility of a public cloud infrastructure.

What are sovereign clouds? What advantages do they offer? Why are they so important for the sourcing mix in companies? Our white paper answers your questions and shows you how to use cloud computing without compromising on compliance.

Do you want to combine cloud usage, data protection and compliance? Our experts will be happy to show you how you can use cloud services successfully while complying with your industry's regulations.

In addition to industry-specific or internal requirements, companies and authorities must also take legal guidelines into account. For example, the protection of sensitive data is a top priority in Europe - and is enshrined in law accordingly. Companies and public authorities must therefore also take into account the General Data Protection Regulation (GDPR) when using the cloud, which requires special care and a high level of protection when processing personal data.

If companies move their processes, applications or workloads to the cloud, they must be able to trust that the performance and security of the cloud platform will continue to be appropriate in the future. This is where operational sovereignty comes into play. It ensures that future adjustments by the cloud provider do not violate the principle of sovereignty. In addition, due to software sovereignty, companies can avoid dependency on one provider, as applications and services can be easily migrated to any other IT infrastructure at any time.

URL: https://www.t-systems.com/de/en/industries/finance

Between regulatory constraints, digitalization, new competitors and changes in customer behavior

Digitalization should support banks and insurance companies to shape their processes more efficiently, save costs, and offer clients modern services. Financial institutions are subject to numerous regulatory requirements in addition to these challenges. IT infrastructures are also changing massively as well as the way in which they are operated. The key question is: make or buy? T-Systems advises financial institutions and insurance companies during their digital transformation and offers future-proof solutions for data centers, branches, and key processes.

Statutory requirements are on the rise. At the same time, the operation of the infrastructure in compliance with regulations is becoming more and more expensive. These are important reasons to modernize the antiquated IT infrastructure, or make it more flexible, and to say goodbye to the old IT infrastructure. T-Systems offers a high-performance, flexible, future-proof and BaFin-compliant operation for your IT infrastructure, which also meets the new requirements of private and business clients at a bank of the future. With current technologies such as cloud computing, blockchain, artificial intelligence, robotic process automation and other modern IT solutions.

Advancing new business models with big data, software bots, blockchain technology, and the cloud, and optimizing client loyalty.

We are happy to inform you about digitalization solutions for the finance and insurance sector. Our IT and branch experts show you which solutions will help you master your challenges.

Discover our solutions and services for "Banking & Insurance" with up-to-date videos, presentations, whitepapers and webinar recordings.

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/content-migration

How can the successful migration to modern applications be guaranteed? Vamosa transfers any content automatically and securely to new software

Whether intranet, website, wiki, file archive or e-mail system, sooner or later legacy systems reach the end of the road, are replaced or consolidated after a merger. The following question then arises: what should you do with this treasure trove of data accumulated over many years? Simply deleting stored knowledge is not an option. T-Systems automates your data migration: Vamosa separates the wheat from the chaff and the important data sets can be adapted and migrated to the new applications.

For reasons of practicality, companies often decide, when migrating data, that it is better to transfer all stored content to the new applications without checking it. However, the migration to new applications offers the chance to get rid of vast amounts of superfluous data. With our migration services based on the Vamosa tool, we check and optimize your data and migrate it automatically from any source system and format to the desired target system – whether in the cloud or on-premises. This data migration and deletion of superfluous content saves you unnecessary costs and allows you to start your new applications with only the relevant content.

Most companies have a cloud strategy and rely primarily on the public cloud. The required cloud licenses, such as for Office 365, are often already available. However, many of the legacy systems are still running, which means the potential of the cloud cannot be exploited to the full. We help you to migrate your content to the applications of the new world. This is how you optimize your processes. And you can start reducing your costs very quickly, as you can deactivate the old on-premise systems.

How to extract, transform and load content from social software and collaboration systems

In all phases of an M&A, it is important to check the contents of the systems, from due diligence to the integration of the data records.

Transfer important content during complex migrations from content management systems to the new system.

We were really impressed by the OTN-SDN-Vamosa migration project. Everything went well and we are very satisfied with the technology, knowledge, and work of the Vamosa team. Thank you!

Christen Bolter, Oracle

Objectives: Understand the scope of the challenge and create customized rules for evaluating the content.

Objectives: Consolidate existing data, detect redundancies, create meaningful keywords, and rename data.

Objectives: Following the data analysis, create a comprehensive and reusable migration framework to automatically transfer data to target systems.

Objectives: Reports show where each content has been migrated to, and enable permanent traceability of the content throughout the entire process.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

Our Vamosa experts have salvaged data treasures for many companies of every industry and size and transferred them to modern applications. Let us convince you, so you can save time and money with your data migration. We'll be happy to show you how it's done!

URL: https://www.t-systems.com/de/en/strategy-and-consulting/solutions/industries-consulting

Successfully implement innovative business models with deep technical knowledge and industry experience of our experts

High-speed networks, smart things, artificial intelligence on Edge, and cloud computing are becoming the new standards across industries. Disruptive business models leave no industry unaffected. Companies need the right partners with the right industry expertise to create unique strategies for the unique needs of companies so that digitalization delivers what it promises. T-Systems, together with Detecon can help.

The automotive industry is at a tipping point driven by changing consumer behaviour, sustainability, alternate business models like shared mobility. To tide over this transformation OEMs and Suppliers need a dual strategy.

While on the one hand, there is a need to optimize existing core processes and digitize further, on the other hand companies need to develop new business models for the mobility of the future. The key here is to find the right partners to stay ahead in innovation and technologies like Digital Twin, Connected Car Platform, and In-Car Software.

Read more

The citizens and legal requirements, such as the Online Access Act (OZG), are forcing the public administration to offer their services digitally and without barriers with round the clock availability and faster processes. It is essential that these are designed to be user-friendly and secure at the same time. Can digitalization accelerate disaster management capacity? What role do chatbots or artificial intelligence play in citizen services? T-Systems is uniquely positioned with its technology expertise in IT Modernization and Digital services, to help public institutions set course for the future.

Read more

The future of the health sector lies in new forms of cooperation and interaction between health insurers, service providers, IT providers and patients. These are becoming more digital, integrated, and agile. Examples such as the electronic patient file or the Hospital Future Act make it clear where this journey is headed. In addition to the demands of insured persons and patients, the healthcare industry modernizing rapidly. Our experts with deep industry knowledge and digitalization provide the right advisory for your future needs.

Read more

The digitalization in public transport is receiving a big boost as are companies build newer ways of buying and booking tickets, providing simplified fare structures and efficient asset monitoring & maintenance to reduce accidents and to ensure safety of drivers and passengers. These digital innovations are also giving transporters the opportunity to improve operational efficiencies, make cities easier to travel in and more livable. Explore opportunities, digital technology has to offer with our consulting partnership.

Read more

Travel, transport & logistics industry has experienced rapid growth in recent years, but it is no secret that it perhaps also faces more challenges than others. Issues like ever-changing travel habits, lack of real time supply chain visibility, and complex last mile delivery are pressing needs. Harnessing the potential of digital tech, companies can achieve more transparent and efficient supply chains, and faster shipment movements. Clients leverage our broad range of consulting services, industry expertise and deep digital capabilities to elevate business aspirations of customers, employees, and partners.

Read more

Financial services are experiencing a paradigm shift as changing markets make businesses more volatile. Key drivers for this are rising customer expectations, strict regulatory adherence, diverse competitive landscape, cost pressures and digital disruptions. Our advisory services like strategic consulting, development of new business models and re-engineering business processes help banks and insurance companies to derive more business value. We help our clients in implementing business strategy with proven methods for processes and organizational optimization.

Read more

Digitization is rapidly changing the retail sector in the wake of corona virus crises. It is shifting the focus from the product to customers, which combines operational excellence with customer experience. With digital solutions forming the foundation of operational excellence, they can get products to customers at the correct time at the best price. While also ensuring fast and efficient supply chains. We collaborate with retailers to design future-proof unique roadmap for them by providing end to end services such as advisory, cloud & infrastructure, digital and security.

Read more

Chemical and pharma industry has seen many disruptions in recent years. Companies need to

respond quickly to volatile market conditions, while also meeting compliance requirements. Further, as focus on sustainability grows, developing modernization plans and future strategies get more complex. As a highly dependable partner with deep technology knowledge and industry expertise, you can explore our wide range of consulting services we can offer to your business.

Customer project: IT infrastructure carve-out

From decarbonization, to striving towards net-zero greenhouse gas emissions, the E&U industry has come far. Companies need to respond quickly to volatile market conditions, whilst complying to various factors like regulatory norms, ESG and GxPs. Electrification of transportation, distributed energy resources are resulting in business models, are opening up more opportunities in utilities sector. Optimizing operational costs, alternative energy sources, digital technologies, analytics and IoT are the need of the hour. Explore the various opportunities our technology and industry experts have to offer.

Tell us your biggest challenges. Our industry experts will be happy to provide you best in class industry solution most suitable to your business needs. Get in touch!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/analyst-ratings/cloud-services

T-Systems gains top reviews from Pierre Audoin Consultants (PAC) and the Information Services Group (ISG)

Analysts and IT business experts agree: T-Systems' top position for cloud services is confirmed once again.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/industries/healthcare/insights

Inspiring insights relating to the digitalization of the healthcare industry

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to your industry and us – now and in future.

First approval for healthcare in Germany: BARMER introduces digital identity for policy-holders in 2024 with T-Systems.

Telehealth Competence Center Analytics and Telekom/T-Systems pilot AI-based sepsis prevention.

BARMER commissions T-Systems and VERIMI for the digital solution.

Funding from the federal government – what hospitals need to do now!

Digital tools finally reveal what nurses and caregivers accomplish every day.

The coronavirus is the driver for digitalized medicine.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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Stefanie Kemp, a Member of the Board and CTO of Sana Kliniken AG, talks about the Smart Hospital of the future and the challenges in healthcare.

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Andreas Lenz, Chairman of the Board of BKK Pfalz, talks about the opportunities arising from current megatrends – such as artificial intelligence or metaverse – for the statutory health insurance of the future.

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Artificial Intelligence has been the cause of much recent debate. For some it represents a threat, for others it is an opportunity. In Adel's second TechCheck video, he focus on the opportunities for Healthcare.

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The T-Systems Sovereign Cloud powered by Google Cloud enables a digital patient journey in the healthcare industry.

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Sabine Fock, Head of the HIS/EPA team and Deputy Head of IT and Business Organization at Klinikum Itzehoe, speaks about the iMedOne® hospital information system from the perspective of the medical profession.

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Thorsten Schütz, Head of IT and Business Organization at Klinikum Itzehoe, talks about the iMedOne® hospital information system of Deutsche Telekom, its associated challenges, and starting points from an IT perspective for the future benefit of patients.

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/intelligent-automation/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how our intelligent automation solutions are used to increase flexibility, productivity, efficiency and quality.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

Thorsten Schütz and Sabine Fock from Klinikum Itzehoe share their experiences with the iMedOne hospital information system of Deutsche Telekom.

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards.

The 5G campus network enables the use of automated guided vehicles.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

Groundbreaking platform for managing electrical charging infrastructure.

The State of Brandenburg is building on dynamic SAP operation.

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go.

T-Systems is developing the platform Adeje DTI Smart Tourist Destination and the Smart Adeje app.

T-Systems is charting a new path to digital transformation for Tarragona City Council (Spain).

Logistics company FIEGE counts on T-Systems for its SAP operations.

T-Systems supplies agile test environment for pioneering specialized procedure GeFa.

How IoT solution from T-Systems implemented sustainable water management.

TrialComplete supports the work of the DZHK.

Heinsberg Hospital introduces online appointment bookings.

Baosteel Tailored Blanks uses the Kofax Total Agility automated solution for invoices.

Deutsche Funkturm is automizing the collection of contract data through robotic process automation.

T-Systems is implementing a powerful vaccination management system for DRK Saxony in a very short time frame.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

The Dürr Group now benefits from optimized manufacturing processes – Universal Data Converter makes it possible.

Toll4Europe supports cross-border trips with just one on-board unit.

Tirol Werbung gets a central coronavirus dashboard for tourism companies and holidaymakers up and running in just four weeks.

T-Systems and Stahl join forces to realize a successful SAP migration.

Barmenia is exploring new approaches in the insurance industry, resulting in clear advantages for its customers.

T-Systems is introducing temperature scanners for the buses of a public transport provider.

T-Systems analyzes anonymized driving data for automotive OEM in China.

T-Systems builds a digital platform within 24 hours to support the Mercabarna wholesale market in distributing food.

With the FashionTAG as an electronic price tag for clothing, a department store chain has made a successful start with digital commerce.

Logistics company modernizes its branch POS system and makes it more flexible with software-as-a-service from the cloud.

RUD is using the Industrial Internet of Things to enhance transparency in conveyor systems.

All business-critical SAP core applications from Clariant run on infrastructures operated by T-Systems.

How the machine manufacturer is achieving efficiency gains through automation.

How a company built an ERP platform for the future.

How T-Systems supports the Federal Office for Civil Protection and Disaster Relief.

Full speed ahead into the future: success stories with T-Systems solutions.

Schwan Cosmetics works with virtual reality glasses.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/partners/ibm

As a Platinum IBM partner, T-Systems' portfolio includes operations, cloud integration, modernization, and innovation

Whether you're looking to transform by bringing your legacy to the cloud, modernize your applications, fill skills gaps, or reduce operating costs, T-Systems is your trusted partner.

Our proven approach is rooted in security, zero outage, and innovation. With our close IBM partnership and our continuous investment in our teams' skills through our IBM academy, our future-fit services ensure the success of your mainframe environment.

Read our white paper and find the answers to critical mainframe migration questions like – What are the key challenges?

* Field required

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/ticket-revenue-settlement-in-pu

Enhancing clearing, eTicket security management, and expert ticketshop consulting

T-Systems drives the digital transformation of transportation with advanced ticketing and revenue settlement solutions. Our technology integration ensures accurate fare calculations, secure e-ticketing, and interoperability, catering to industry needs. We empower authorities and companies to streamline ticketing, enhance security, and optimize revenue settlement.

With an omnichannel approach, we offer an end-to-end customer journey across all touchpoints, providing a unified experience. Powered by a state-of-the-art service-oriented architecture hosted in the cloud, our solution is not only modern but also adaptable to emerging trends. Our ticket solutions offer:

Through a seamless blend of innovative technology and consultancy, T-Systems paves the way for improved passenger experiences, increased operational efficiency, and revenue growth in the public transport sector, both now and in the future.

Let's explore how we can transform your ticketing and revenue settlement systems together. Get in touch and find out how we can help public transport companies, with their digital, cloud, and security needs.

T-Systems offer an innovative way to integrate several local transport providers into a unified, efficient mobility ecosystem. This trailblazing mass transit system, unparalleled in Europe, unites the services, ticketing, and information of nearly 200 transportation companies. Mobility providers seamlessly integrate their sales systems, including ticket vending machines, online stores, and mobile apps, into this unified platform. The system deftly calculates prices and routes within the intricate tariff system. Operating entirely in the cloud, it replaces legacy systems and simplifies back-end connections. The result is a traveler's dream – a single ticket that provides seamless access to all modes of transportation, eliminating the need for multiple transactions and ensuring a hassle-free journey. T-Systems' solution not only enhances the travel experience but also streamlines ticketing processes for the convenience of both passengers and transport providers.

Ensuring the forgery-proof issuance of electronic tickets, including those on mobile terminal devices, is paramount in today's transportation world. T-Systems offer a robust solution to meet these security demands. Our comprehensive approach includes the establishment of a state-of-the-art security concept and management system, incorporating essential elements such as a trust center, key management, and PKI (Public Key Infrastructure). We issue user media certificates for tickets, including mobile options, and develop and produce security modules (SAM) designed for sales, acquisition, and control terminals. Furthermore, we provide and continuously enhance a test suite for customer media, ensuring compatibility across various components. The benefits to our customers are substantial: diverse ticketing procedures tailored to their needs, automated fare calculation, and seamless interoperability facilitated by uniform interfaces across transport networks. T-Systems' cutting-edge security infrastructure for eTicket Deutschland not only ensures robust fare management but also enables its widespread adoption across public transport systems in Germany and beyond, enhancing the overall travel experience.

Operating on the Open Telekom Cloud, the VDV eTicket Service capitalizes on the cloud's key advantages, enabling digitization of sales without hefty initial investments and offering cost flexibility based on actual demand. As demand or the addition of more providers occurs, the platform easily scales, keeping them agile and focused on system operation. Furthermore, the cloud billing solution from T-Systems efficiently handles the clearing of claims, functioning as a background service ensuring accurate billing for ticket elements to respective transport associations and providers. Operating on a microservice architecture with standardized APIs, it allows swift and flexible implementation of new solutions. Offered as a Software as a Service (SaaS) model, cloud billing provides VDV eTicket Service with advantages including scalability for adding new participants, high performance under increased loads, and transparent, predictable, and user-centric costs, enhancing overall efficiency.

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/vmware-to-aws-migration

It couldn't be simpler: Migrate vSphere-based workloads to the public cloud

Many companies still rely on their own data centers and manage their IT infrastructure with long-standing, proven solutions from VMware. But many would also like to benefit from the advantages of a public cloud solution, such as high scalability, reliability, and flexible costs. This is made possible with VMware Cloud on AWS managed by T-Systems. It enables companies to bring their vSphere-based workloads into the public cloud and combine them with modern services from AWS, such as S3 object storage or an RDS database service, if required.

Is your company already pursuing a cloud strategy? Do you want to expand your VMware environment into the cloud? VMware Cloud on AWS seamlessly moves your traditional workloads into the public cloud. And you can continue to use VMware technology that is proven in your local environment. To achieve this, T-Systems sets up an individual, single-tenant VMware SDDC (Software Defined Data Center) on a dedicated AWS Bare Metal environment for the customer. Along with the Trial offer, the VMC on AWS Flex offering enables the customer to scale as per need. Both offerings are a great way to shift your VMware workloads to AWS cloud, the way you see fit.

Combine a real VMware Stack with AWS native services. Pay as you go.

Flexible cloud resources to test applications or evaluate new features: take advantage of our cost-efficient 30-day trial environment with no further obligation and see the benefits of the VMware cloud on AWS.1

The test environment includes a single-host SDDC. If there is no upgrade to a production SDDC, the test SDDC including all data will be deleted after 30 days.

Learn more about T-Systems' Disaster Recovery as a Service powered by VMware on AWS.

Learn how to avoid the challenges involved in migrating your VMware based workloads to AWS from our experts. Watch the interactive video with Ralf Poggemann (Product Owner VMware at T-Systems International). Please activate English subtitles.

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Satisfied customers also include public authorities: For example, T-Systems was asked to assist the public sector in a very special case as a result of the current crisis. Tens of thousands of applications for subsidies were submitted to the relevant authorities within a very short period of time not long after the federal and state governments promised state aid to ailing companies. It quickly became apparent that the previous IT operating platform of a public client was not up to the rush of online applications. Those responsible therefore asked T-Systems for support. The solution was resources from the public cloud. Using VMware Cloud on AWS, T-Systems expanded the data center of a government client within 30 hours to provide the required capacity. Using the external resources of the VMware Cloud on AWS, the performance of the web service has increased by 400 percent. Resources can be expanded at any time if additional needs arise. But they can also be turned off again just as quickly when the subsidy programs come to an end and demand falls again.

Adopt the T-Systems Cloud Services to get the best experience with the migration of VMware workloads to AWS. Get detailed insights in our latest e-book.

VMware technology paves the way for a smooth cloud entry and multi-cloud management.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/id/en

Industrial Internet of Things (IIoT) helps factories and industries to better connect their processes, allowing for greater productivity to compete ahead.

Discover the factors that determine cloud success for businesses in Asia and the steps you need to take to get there.

Taking the initiative instead of just reacting: How to secure your future with digital business models.

Double down on your company's cloud security measures with our tailored strategy that suits your company's needs.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

One of Germany's largest SAP system landscapes is moving to the cloud.

The closer partnership with VMware will make the transition to the cloud easier, faster and less costly for organisations.

To secure today's complex network infrastructures, the solution is in the cloud: SASE effectively deals with extremely distributed, cloud-based networks.

Learn how businesses use co-location to meet the demands of rapid digitalisation—without the need to build out their own data centres.

One of Germany's largest SAP system landscapes is moving to the cloud.

The closer partnership with VMware will make the transition to the cloud easier, faster and less costly for organisations.

An expert will answer your questions about the planning, implementation and maintenance of your digitalisation projects.

Contact us today.

Subscribe to our newsletter IMPULSE for current topics and use cases relating to digitalization.

URL: https://www.t-systems.com/de/en/industries/finance/digitalize-key-processes-and-tasks

New business models with big data, software bots for routine tasks, develop blockchain technology

Banks are under pressure. Digitalization is facilitating fast exchange for clients, and the market is being flooded by financial service providers new to the sector. Both developments are intensifying the fight for clients. And, above all, there is increasing cost pressure in the organization. This can be partly minimized through optimized internal processes.

Data and databases are digital gold – provided that companies consolidate their existing data stocks, expand them with freely accessible unstructured data and evaluate them with big data analysis. This makes it possible, for example, to throughly analyze different banking channels using big data technologies, weigh up the revenue from a service and identify any losses and inefficiencies. New business models or strategies can also be developed with the help of big data. Last but not least, organizations optimize their sales approach and customer loyalty. To do this, T-Systems provides banks with the Data Intelligence Hub, a platform to enable them to convert data into company assets.

Connect with others securely and trustfully to share, process, and analyze data on your terms with data sovereignty protection.

Blockchain technology and blockchain networks are making a lasting change on the financial sector. They could allow new business models to emerge and others to disappear. Blockchain technology allows for faster, more secure, and cost-efficient payment transactions and securities trading. The financial sector is also predestined to use blockchain in the context of cryptocurrencies. Banks, too, can prevent transactions and financial data from being retrospectively manipulated in the blockchain. Our blockchain solution center offers banks the opportunity to develop ideas for use in blockchain technology and implement them in a proof of concept.

Do you want to test blockchain technology and blockchain products with minimal investment?

Recurrent, repetitive tasks take up time and wear down employees' appetite for work. Jobs which are time-consuming, repetitive, error-prone and which have previously been carried out manually can be processed with the automated help of digital software bots at a lower cost and with greater levels of quality. Experience tells us that, by using Robotic Process Automation (RPA), outlay can be reduced by up to 70 per cent. In banks, they are suited to the company departments of finance, purchasing, HR, and IT and can be implemented independently of manufacturer and regardless of platform.

Safekeeping and securing cryptocurrencies is a new financial service. Crypto assets such as Bitcoin or Ripple are digitally represented assets which, because of their encryption techniques for digital data, are especially resistant against manipulation. In crypto assets, the entity being protected is not an object; the aim is to prevent any one individual taking control of the asset. T-Systems offers banks an "Enterprise-all-in solution" based on blockchain to fully safeguard and generate returns of digital currencies and to generate returns with crypto assets. The solution conforms to the prescribed BaFin regulations.

Discover our holistic solution based on blockchain for safekeeping and revenue generation with crypto assets.

The wheel of IT innovation turns at an exceptional rate. Companies are also constantly on the lookout for experts with new skills who will evaluate innovations, step in to projects at short notice or who are only required for a short period of time. For half of all companies, these

external IT experts are in fact essential. T-Systems provides banks with suitable IT experts with the right skills, flexibly and at short notice, for a wide range of technical competencies: with no long-term commitment, on site or remotely, full-time or part-time employment. Subjects such as artificial intelligence, cloud, customer experience, online banking, blockchain, data analytics or digital technologies are also covered.

We are happy to advise on interesting IT developments and technologies which will also facilitate the digital transformation for your financial institution. Our IT and banking experts show you which IT solutions will help you master your challenges.

Take advantage of our innovation workshops: We want to achieve better results – and faster ones, too – using the co-creation and innovation format in collaboration with you: it could be a business idea, technological proof-of-concept, a minimal visible product (MVP), or the structuring of a complex subject.

Mobile banking, cross-institutional digital processes, and the integration of third-party providers are creating more and more opportunities for cybercriminals to strike. Strict, statutory provisions mean that banks also need to make greater investment in the security of their IT systems and protect sensitive client data. This means that banks have to spend even more money to meet IT security requirements. T-Systems operates its own security operation center (SOC) to protect its own critical network and IT infrastructure. This expertise is also available to clients in self-managed SOCs or in SOCs that are outsourced and operated by T-Systems security experts.

Would you also like to curtail the cybercriminals' head start? You will find out everything about SOC and SIEM (Security Information and Event Management) and other security solutions here.

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/topics/sustainability-in-retail-a

The future is now: Revolutionizing retail and logistics with green solutions and innovative technology

Germany has the target of reducing 543 million tons of CO_2 by 2030. Future ready leaders know that reduction of carbon emissions also impacts the profitability of logistics providers in retail industry. Compliance to sustainability goals can be achieved by embracing digital solutions targeted towards achieving transparency in supply chains, reduce emissions, and provide data analysis for better decisions.

Sustainability in retail and logistics is not limited to policies and ethics discussions. It has a huge economic impact. Initiatives like low carbon mobility management, advanced energy management for stores, and efficient EV charging, the sector is adopting eco-friendly practices. These changes not only contribute to a healthier planet but also offer long-term cost savings and enhanced customer experiences.

Find out the challenges on the way to green transport logistics and learn how innovative technologies can help resolve them.

Contact us to find out how to achieve your sustainability goals and get compliant with the mandated environmental regulations.

Supply Chain Transparency Suite is an in-house out-of-the-box solution developed by T-Systems, based on ServiceNow. It helps you to assess supply chains from direct as well as indirect suppliers and compile the data for the report to BAFA (Federal Office for Economic Affairs and Export Control). The suite enables our clients to remain compliant with German Supply Chain Due Diligence Act (LkSG) mandated from January 2023. The data is combined and analyzed to not only fulfil legal obligations but also to create time to optimize supply chains in terms of human rights.

Low carbon mobility management in an innovative strategy that focuses on reducing carbon emissions associated with transportation and logistics in an eco-conscious market. This approach encompasses a range of practices, from utilizing electric vehicles (EVs) for deliveries to optimizing delivery routes for fuel efficiency. Additionally, integrating digital tools for real-time tracking and data analysis enables stores to make informed decisions that balance efficiency with environmental responsibility.

Energy management in retail stores is a crucial component of modern, sustainable business practices. This approach focuses on optimizing energy usage to reduce costs and minimize environmental impact. By implementing advanced energy management systems, retail stores can monitor and control their energy consumption more effectively. Embracing energy management not only aligns with global environmental targets but also enhances the store's market competitiveness by reducing overheads and appealing to eco-conscious consumers.

Electrical charging is a key factor in reducing carbon emission and drive sustainability. T-Systems is at the forefront of retail sustainability, offering innovative solutions like Ambika for effective EV charging management. Ambika is ready-to-use, end-to-end EV charging station management system for quick and easy station rollout and maintenance. It offers interconnection of various proprietary, market leading tools along with integration for automated data exchange.

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In Germany, the target by 2030 is a reduction of 543 million tons of CO2. Transportation is one of the most important areas where this reduction will have to happen. For businesses there are now multiple reasons to turn to sustainability. T-Systems and Deutsche Telekom's IoT team are here to help businesses achieve their individual targets with digital solutions. In this video listen to our experts' opinions and brief about our solutions and offerings.

URL: https://www.t-systems.com/de/en/sovereign-cloud

Digitalization demands sovereignty to follow data protection and regulations across industries

The potential of "Cloud First" is undisputed. However, companies face a dilemma when using the public cloud services. How can they use the cloud's agility and innovation while adhering to legal and internal compliance standards? This is made possible through digital and data sovereignty - thanks to sovereign clouds that process data in the EU and are also suitable for highly regulated industries. T-Systems Sovereign Cloud, powered by Google Cloud, ensures complete security and compliance of your sensitive data while retaining the public cloud

functionality and flexibility of a hyperscaler.

The sovereign cloud offers customers within Europe a solution to reap the benefits of digitalization while also meeting compliance requirements. It balances the ability to innovate with legal requirements.

How can companies protect sensitive business data, for example, in research and development, as well as personal data, and comply with the regulations in their industry? A sovereign cloud helps to secure critical information and meet compliance requirements.

What is the meaning behind the buzzword and what significance does sovereignty have for digitalization?

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

Sovereignty alone is not enough. Cloud services must also be sustainable. Only then are they fit for the future.

Why must businesses focus on cybersecurity and compliance together, and how compliance can turn into an advantage.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

How can you turbo-charge your business with cloud services while maintaining compliance and protecting sensitive data in regulated industries? No problem with the sovereign cloud. Our experts explain how you can leverage this potential for your projects.

URL: https://www.t-systems.com/de/en/partners/intel

Our long-standing collaboration reaches beyond Intel®'s innovative technologies. We jointly explore opportunities to add value to our clients through proof of concepts and innovation. Our consultation enables organizations to operate reliably and securely through platform improvements. We also help them learn from their data using AI and machine learning. Above all, T-Systems and Intel®'s green agenda can help lower your carbon footprint.

Intel Cloud Optimizer powered by Densify for resource optimization.

* Field required

URL: https://www.t-systems.com/de/en/sustainability/topics/green-it

Rethink the system: With climate-neutral cloud and data-based analysis

Will we soon have to lead in green to lead in business? The fact is that we won't achieve tomorrow's climate targets using yesterday's technologies. As an IT and digitalization service provider, T-Systems supports companies with green technologies, green cloud services, smarter logistics, or analysis of IoT data to push forward with digital growth and at the same time invest in sustainability and the environment.

The number of data centers and their hardware is significantly rising on a global level and the energy consumption will therefore be high. The digital association Bitkom estimates that the

energy consumption from the data centers in Germany alone could increase up to 35 billion kilowatt hours by 2030. T-Systems is, therefore, continuously optimizing the efficiency of its own data centers and has joined the Climate Neutral Data Center Pact which is committed to the European Green Deal. T-Systems has been sourcing its electricity for the data centers exclusively from renewable energy since the start of 2021.

The logistics industry causes a huge amount of greenhouse gas emissions. Using dynamic route planning, smart documents accompanying goods or IoT based smart building technologies to implement efficient, sustainable processes.

#GreenMagenta bundles green products and sustainability initiatives from Telekom. As a subsidiary company, T-Systems offers companies #GreenMagenta IT services that contribute towards sustainability. For this, IT experts advise customers among other things, on how they can set themselves up for an ecologically sustainable future using digital solutions and identify significant potential to reduce their CO_2 output.. ISG, therefore, sees T-Systems as a leading provider in the field of sustainability and decarbonization.

The #GreenMagenta label highlights initiatives that make a positive contribution to climate protection and the responsible use of resources.

Environmental and climate programs are indisputably the right routes to a greener future. But how is it possible to measure and prove that the ambitious goals are actually being achieved? T-Systems has developed a configurable SDG dashboard for this together with 20 communities in Spain. Syrah Sustainability allows all public and private organizations and companies to define, visualize, measure, and monitor indicators for sustainability. The data also helps to identify which measures don't bring about the desired result and where in the operation readjustments are required.

Rethink the system: Thinking and shaping innovations sustainably with customers and partners.

Rethink the system: Growing digitally and investing in sustainability at the same time.

How we become a climate neutral company, and how we support clients in their sustainable digital transformation.

Less CO_2 consumption, more efficiency: T-Systems develops project for greater sustainability at Biere data center.

How does one measure sustainability? With a sustainability dashboard. Know more about how T-Systems makes this possible.

How IoT solution from T-Systems implemented sustainable water management.

What knows exactly how enterprises' goods and products are made and what resources are needed? They have SAP systems!

How the capital market can contribute to sustainable business practices through environmental, social, and governance (ESG) requirements.

Understanding today. Shaping tomorrow.

Are you ready?

Would you also like to know which starting points there are in your company to develop and produce more sustainably and how IT can support this? Feel free to contact us!

URL: https://www.t-systems.com/de/en/data-intelligence/solutions/cloud-billing

Handle order processing, price calculation, billing, and delivery of a purchased service automatically with Cloud Billing

Thanks to digitalization, companies can now offer their customers completely new services. A host of services spring up around a product, overshadowing the mere sale of goods. Partners can participate in an integrated service or offer the service to their customers as a reseller. Manage your order, delivery, and billing processes in this context with Cloud Billing, a software-as-a-service solution.

With our Cloud Billing service, companies can manage not only the order and contract process, but also price calculation, payment, and delivery of purchased services to the end customer. And that goes for all price models, whether subscription or pay-per-use, with credits, package prices, or much more, for example, in the Internet of Things or in the data and platform economy. Cloud Billing also supports payment transactions and billing with partners who perform part of a service. This is possible in all models, whether via clearing, provision, fixed fees, or usage-based fees.

Traditional subscriptions, prepaid, or pay-as-you-use: With Cloud Billing you can offer and manage complex price models in a straightforward way. The platform shows the actual consumption in a transparent way. It processes a multitude of usage data in real time and bills it automatically with an option for usage-based billing. Invoice recipients get a clear breakdown of items and know exactly how much they are paying and how this relates to their usage.

When multiple partners, such as service providers or resellers, contribute to a service package, the platform distributes the incoming revenues to all participating providers based on predefined rules. This happens in the background – without the user even noticing. They receive only a single bill and pay only one amount, for example, via automatic transfer from their bank account.

We run the Cloud Billing platform in the Open Telekom Cloud at ultramodern data centers in Germany. The Open Telekom Cloud offers maximum security with data protection certified in line with GDPR. Our standard 24/7 service level guarantees fail-safe operation and 99.999 percent availability for all services.

Prepaid services require special billing systems to process the myriad of user data in real time and bill it quickly, automatically, and based on either consumption or usage value to customers.

Raphael Becker, Business Development Manager Cloud at T-Systems

Good for the climate: More and more people use public transportation these days. However, they need different kinds of tickets for longer trips; in addition to the nationwide Deutsche Bahn network, there are many regional transport operators with fares of their own. In cooperation with T-Systems, VDV eTicket Service has unified electronic fare management. An app shows the customer at a glance how much a ticket costs for a route that includes multiple operators. They can book the ticket instantly and pay electronically. And it's all done digitally, without paper.

Cloud Billing from T-Systems automatically distributes the incoming payments to the participating transport operators.

VDV. How 440 local public transport companies want to inspire their passengers.

Under the auspices of its startup subsidiary EnergieRevolte, the utility company Stadtwerke Düren has brought to market an innovative payment model for power consumption – a paradigm shift for the industry. Cloud Billing from T-Systems has facilitated the processes needed for this groundbreaking work.

In the back end, Cloud Billing controls an app that the customer can use at any time to find out how much energy credit they have left. They can use the app to buy more electricity whenever they want, and the purchase is instantly transferred to the smart meter installed in their basement. The service is so successful that other utility companies are using EnergieRevolte's offer as resellers and offering their customers the same service.

ENERGIEREVOLTE. EnergyRevolte offers prepaid electricity, reduces power consumption and prevents from being turned off from supply

* Field required

URL: https://www.t-systems.com/de/en/cloud-services/solutions/private-cloud

Consider private cloud services if you want cloud benefits with security control

Although companies today realize the potential of the cloud, many are still hesitant when it comes to moving their critical legacy workloads and applications to the cloud. Enter private cloud, where you can customize the cloud architecture as per business needs, have control over cloud security, and get the benefits of more scalability than traditional on-premises infrastructure.

Private cloud is a cloud environment that provides secure, scalable on-demand access to computing resources within a private network. It is an ideal solution for companies that require enhanced security and control over their data and applications. A private cloud platform is important because legacy systems must remain cost-efficiently supported. Some applications are not cost-efficient to run in a public cloud; others cannot pass due to security or legislation. In such a scenario, private cloud ensures a higher level of security and privacy, while providing cost savings through greater efficiency.

How to build a solid, digital-first enterprise platform.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

With a large focus on data privacy, especially in highly regulated industries such as finance and healthcare, ensuring watertight security compliance is paramount. A private cloud solution offers the scale and flexibility that these industries require to run operations while complying with mandatory regulatory requirements. We believe to modernize your company's IT infrastructure in the long term, it is advisable to have a partner that has sufficient cloud and security expertise in-house to be able to provide adequate advice.

In our experience, only with the right cloud strategy, which also takes security aspects into account from the start, can migration succeed, and potentially be leveraged. As an enabler of cloud transformation, T-Systems' private cloud offering, Future Cloud Infrastructure, has been reliably supporting companies on their path to greater performance and security. Our experts work with you to define your cloud migration and security strategy, find suitable solutions, and help implement it. In this way, companies are optimally prepared for the cloud world.

URL: https://www.t-systems.com/de/en/success-stories/security/otto-group-enterprise-risk-management

T-Systems Alpine supports the Otto Group as competence center for governance, risk, and compliance

In spring 2019, the Otto Group commissioned the digital service provider T-Systems Alpine with both the technical concept and implementation as well as the integration of a holistic enterprise risk management system (including ICS and compliance) in the T-Systems GRC cloud (governance, risk, and compliance cloud). The goal was to keep the use cases as lean as possible to enable a fast roll-out and onboarding of the users. A decentralized infrastructure was also connected – the GRC cloud. The risk2value software solution in combination with the GRC cloud allows the greatest possible flexibility through customer-specific configuration in the risk2value system standard. T-Systems pursued a dual consulting approach and combined specialist and technical expert advice. In order to provide the customer with the fastest possible results and greater freedom of adaptation, an agile implementation approach with a focus on core functionalities was chosen, which can be successively expanded with later roll-outs.

The cooperation with T-Systems Alpine was very constructive right from the start. The flexibility, quality of the results, and fast implementation particularly impressed us.

Andre Jacubczik, Manager Risk Management & ICS of the Otto Group

Risk management takes place in many corporate groups, both in different systems and with different functions, and with a wide variety of processes, concepts, and use cases. The integration of all these areas is a challenge in itself, which the Otto Group has taken on with the "smartRISC" project. A consistent project team at T-Systems, consisting of specialists from the GRC area, worked closely with the Otto Group from the very beginning. T-Systems was the sole contact for communication and coordination with the customer. The close cooperation and regular exchange (weekly jour fixe, coordination both remotely and on site as required) was extremely important, as T-Systems was also responsible for the "knowledge transfer" and training of selected employees.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

The software risk2value from Austrian software company avedos formed the basis of the project. With the GRC cloud, T-Systems Alpine offers a unique solution and is thus the competence center for the GRC field within T-Systems International as well as within the DTAG group. T-Systems was chosen after a tender and two-month test of a prototype (Proof of Value – PoV), which proved the feasibility of the Otto Group's specific requirements. Decisive factors for choosing T-Systems included its extensive expertise in the field of the GRC cloud and a range of reference customers such as Wienerberger AG and Wiener Städtische Versicherung AG. In order to meet the specified deadline, the minimum viable product of the enterprise risk management system was implemented by the GRC team within a demanding timeline. The

launch of the first wave of enterprise risk management at the Otto Group took place in July 2019, and the first data collection in the Group was successfully completed at the end of August. One decisive success factor was the involvement of the relevant stakeholders in the solution development process from the very beginning: early onboarding of the users created a high level of acceptance.

Above all, the individual and intensive support led to high customer satisfaction. The Otto Group and T-Systems are currently working on the expansion of the existing service scope, which will also involve further development of the tool. The extension includes additional and complementary GRC modules, as well as an expansion of the solution for certain parts of the Group. After a successful launch, work will continue on the further development and expansion of the ERM system "smartRISC" in the GRC cloud. Information security risk management (ISRM) has already been made possible by the GRC team in cooperation with the respective project teams and stakeholders at the Otto Group. Further areas of application are currently being examined. The challenge here lies in particular in the evaluation and identification of cross-functional/module synergies and the development of coordinated, integrated solutions based on these.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

The Otto Group is a German trading and services group based in Hamburg and, with online revenues of EUR 7.7 billion, is one of the world's largest online retailers. Its portfolio covers the entire retail spectrum from toy stores to SaaS providers and open-commerce platforms. With around 52,600 employees, the Otto Group is present in more than 30 countries in Europe, North and South America, and Asia. The activities of the Otto Group are divided into three divisions: multichannel retail, financial services, and service. The goods and products are offered through e-commerce and over-the-counter retail channels.

To the customer's website

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/continental-next-steps-int

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental

Founded in 1871, the Hanover-based Continental AG is one of the most important German corporations. The automotive provider is one of the DAX-30 listed companies. With more than 190,000 employees in 561 locations in 58 countries, in 2021 it achieved a turnover of around EUR 34 billion. Since 2022, the operations of Continental AG have been split across three independent company divisions: Automotive, Tires, and ContiTech. The company divisions cover 16 business areas. Automotive develops and produces electronically controlled gear and vehicle safety systems.

With solutions for safe driving, gears, and comfort, the Automotive division is the company's mainstay. The tire business is concentrated in the company's Tires division. ContiTech manufactures other rubber and plastic products for industrial applications, for example hoses, conveyor belts, vibration technology, and seal technology. In the 2000s, Continental AG also grew through acquisitions. Integrated companies or company units included Phoenix AG (2004), the automotive electronics business from Motorola (2006), Matador (2007), and Veyance

Technologies Inc. (2015).

Continental AG relies on SAP for controlling its company processes. With over 450 SAP systems, the company also operates one of the largest SAP landscapes in the world. The historically grown landscape has a high level of complexity. Uninterrupted availability to support the international business is crucial for the automotive supplier. Continental opted for T-Systems as a partner for the operation of SAP landscapes.

In T-Systems, Continental has a partner on side bringing end-to-end expertise in all things SAP: from infrastructure through platform operation to application support. Numerous analyst reports have for years underscored the competence of T-Systems in the private cloud and SAP. Receiving the underlying platform technology based on VMware significantly simplifies the migration.

Perfected migration processes reduce downtimes and, in turn, the costs of the migration. Significant cost reductions enabled by the Future Cloud infrastructure platform (FCI platform) and its efficient management are also an advantage when it comes to continuous operation of productive SAP systems. Furthermore, SAP operation on the flexible and scalable FCI offers Continental additional prospects for the future. This includes the operation of non-SAP systems, some of which work very closely with the SAP systems and the introduction of hybrid scenarios (including public clouds like Azure). The new platform also gives Continental a solid foundation for the upcoming transformation to SAP S/4HANA and any consolidation projects within the group.

We are convinced that the private cloud is right for operating our SAP systems. It combines stability and cost efficiency. The migration to a next-generation private cloud was logical and T-Systems has provided us with the best support as an end-to-end provider in all phases.

Christian Eigler, Corporate CIO Continental AG

Until now, the SAP productive systems were operated on a classic on-premises infrastructure – with a spotless record: T-Systems has been guaranteeing Continental high operational stability and reliable availability of SAP provision with its operational services for many years. But the established private cloud technology had reached the end of its life.

Continental was searching for a new operating concept that brought along the previous stability but also greater flexibility, stronger scalability, and a more convenient use of SAP. At the same time, the various company units needed to have the option to integrate their own preferred platforms to enable hybrid working, for example, with Azure. Last but not least, it was important to Continental that the new operating concept / the installed platforms offered the highest degree of cost efficiency. In particular, the continuous operation of the productive systems needed to be as cost-effective as possible. At the same time, it was important to Continental to place all services end-to-end into the hands of one provider. In T-Systems, Contintental has a competent point of contact for all its SAP needs.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

With the switch to the Future Cloud Infrastructure (FCI), the management at Continental opted for a permanent private cloud to be the linchpin of the SAP operation, which also enables a hybrid cloud application. The Future Cloud Infrastructure is a next-generation private cloud. It

taps into many functionalities which users and operational teams are familiar with from the public cloud.

This includes comprehensive automation of regular processes via which, for example, the complete application stack can be prepared in fewer than three hours, and resources can be seamlessly scaled by a factor of 80. At the same time, the FCI enables the integration of public cloud resources, e.g. for the development and testing of new applications.

To use FCI, T-Systems is setting up a landing zone on the shared private cloud platform in the Frankfurt data center cluster. The two VMware-based platforms, the old and the new, also simplify the migration. Three migration steps are planned by 2024, for which T-Systems will minimize the downtimes. After that, T-Systems will operate the SAP landscape fully on the FCI platform.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

URL: https://www.t-systems.com/de/en/content-and-collaboration

Seamless collaboration on a global scale with professional data management and cloud solutions

In the digital era, data has become one of the most valuable resources. It forms the foundation of numerous business models and is essential for the development of modern technologies. To exploit the full potential of information, companies need to process, manage, and store it optimally. This can be achieved with cloud solutions that offer scalable storage space, location-independent teamwork, and global access.

Our managed services make it easier for companies to migrate legacy data to the cloud, create a unified database for flexible working models, and streamline document management and collaboration.

T-Systems' experts digitalize companies' information management.

Learn how you can implement the DSGVO requirements in your company with the help of ImageMaster.

Where are the traps in using public cloud services? Our white paper shows three ways to master the challenges with examples.

Elevate productivity and efficiency with digital workplaces.

T-Systems enterprise customers will have access to IQM quantum systems through the cloud.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/digital/comfort-charge-takes-off

Groundbreaking platform for managing electrical charging infrastructure

Comfort Charge, a startup from the Telekom Innovation Pool, is taking a completely novel path in this market environment. Mathias Laubenstein, Head of Technology, Innovation, and

Operations, "We want to offer a leading solution in terms of processes and technology for charging infrastructures from a single source - on the basis of open protocols and in cooperation with our partners." This meant that Comfort Charge also wanted to take the lead in service quality. The company already monitors its managed charging stations with a high frequency and achieves extraordinary availability figures.

The solution from Comfort Charge covers the complete lifecycle of the charging stations (in accordance with the well-known ITIL principle): from planning and installation to long-term operations, the company consolidates all the related services on a single platform. On this basis, Comfort Charge rolls out its own charging infrastructure, manages its customers' installations, and offers them to other charging providers as a white-label solution. Managing a platform for charging infrastructure is similar to managing telecommunications infrastructure. The right data must be in the right place at the right time. This means IT plays an essential role in Comfort Charge's business model. The company relies on a modular platform from T-Systems as its technical solution: Ambika.

"We didn't want to develop a new solution for the lifecycle management of charging infrastructures from scratch," explains Laubenstein, "but instead pursue a best-of-breed approach, utilizing solutions that were available on the market. And under no circumstances did we want to take a conventional, proprietary path by building custom-developed add-on functions on top of a back-end system." This "mash-up" approach was intended to enable a rapid time-to-market, provide flexibility to respond to changes in a dynamic market (technical adaptability), and most importantly, for a start-up, keeping costs under control. Scalability was another crucial requirement of the system. Since Comfort Charge is active in a regulated market, ensuring audit compliance was another important factor that had to be considered in the design of the management platform.

The central challenge here: How can the various contributions by the partners be integrated to create an end-to-end solution? How can communications and data be provided without interruption?

With Ambika from T-Systems, we were able to build an absolutely innovative solution for the young, highly dynamic e-mobility market in record time.

Mathias Laubenstein, Head of Technology, Innovation, and Operations, Comfort Charge

"Ambika from T-Systems proved to be the ideal central hub for the different services, regardless of which language they speak," sums up Laubenstein. Ambika is based on ServiceNow and is provided fully scalable from a ServiceNow data center in Germany. ServiceNow's strength lies in its incredible flexibility, which enables it to connect nearly any system and digitalize and automate any process quickly – thanks in part to the combination of turnkey modules and low-code capabilities of the platform.

As such, Ambika formed the foundation for the central hub that enables the rapid exchange of data – for all lifecycle phases of the charging infrastructure. "We use Ambika to both collaborate with our partners for the planning and installation of the charging stations and manage our operations," says Laubenstein. At the same time, Ambika makes it possible to integrate additional systems at any time. Due to the operation in the cloud, scaling is easy.

"With Ambika, we are independent of proprietary systems. We have created a flexible platform that goes in an entirely new direction and gives us the dynamism we need as a startup in a young market," summarizes the Comfort Charge manager. "With our management platform for charging infrastructure, we have built a pioneering industry solution that we can now offer broadly on the market. We are poised for further growth."

Ambika avoids manual intervention, the use of Excel spreadsheets, other databases, and emails that are often needed to manage processes. "The high level of automation and workflows in ServiceNow provide us with the efficiency and speed that we need. Other tools can't do that." Automated controls and simple user navigation also improve the quality of the results.

In addition to smooth-running processes, Ambika also effortlessly provides transparency for business operations, thanks to its centralized data storage, and ensures audit compliance for supervisory authorities. Last but not least, the maintenance costs are at a level that is manageable for the startup.

Groundbreaking platform for managing electrical charging infrastructure.

Against the backdrop of sustainability efforts and increasing independence from fossil fuels, e-mobility is steadily gaining importance in Europe. Germany set a new record in 2021 by registe ring 3,56,000 fully electric cars. And the trend continues, not just among consumers but also among companies that are increasingly adopting clean electromobility.

Highly performing charging infrastructure is a crucial factor for the long-term success of the concept. Many providers with different backgrounds are entering the market. However, the infrastructure means much more than just bolting on wallboxes or installing charging stations. Behind the charging infrastructures are complex processes that require intelligent systems to match demand and supply. The lack of uniform standards and processes poses a significant problem. The young, dynamic market is reminiscent of a kind of electric Wild West, where many vendors merged proprietary back-end IT, hardware, and processes to manage the complexity.

Comfort Charge (German Website)

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/partners/salesforce

CRM solutions from the cloud in a German contract

Salesforce has been a T-Systems partner since the summer of 2014. The two market leaders for customer relationship management (CRM) solutions, cloud solutions, and IT services offer their customers intelligent concepts from the extremely secure data centers operated by T-Systems in Germany.

In retail, a customer-centric strategy and the digitalization of business processes are critical for success on the market. IT-based Customer Relationship Management (CRM) solutions create completely new levels of proximity to the customer: companies can respond specifically to the

customer's requirements and facilitate the customer's purchase decision with relevant information.

The world's number one company in this field is Salesforce. With its Customer Success Platform, the CRM specialist offers new ways of networking with the customer and having closer and hence more valuable business relationships. Together with Salesforce as its partner, T-Systems can provide their customers with CRM solutions from the fields of cloud, social, mobile, and analytics from extremely secure data centers in Germany.

Salesforce partner T-Systems is providing a data center for solutions such as Sales Cloud, Service Cloud, and Marketing Cloud for an initial period of five years. Salesforce's products will thus be available from the German cloud. Companies will benefit primarily from maximum IT and data security: sensitive company data is stored within Germany and therefore covered by German data protection laws. As a Salesforce partner, T-Systems is also responsible for all Salesforce consulting services in Germany – from product consulting and reselling, through to solution implementation. In addition, T-Systems is also the specialist contact during operation of the applications.

The partnership with Salesforce contributes towards the creation of new, intelligent solutions. As a Salesforce partner, T-Systems is developing its own industry-related apps for customer relationship management, service management, and marketing based on the Salesforce1 platform. They are quick and easy to operate on mobile devices such as smartphones or tablets.

Embrace the future: Transform your retail business with cutting-edge IT solutions like AI, cloud, SAP and 5G campus network.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/sustainability/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

The European Commission has presented the T-Systems data center in Biere with the European Code of Conduct Award.

The Co-Creation Advisory Board's Inspiration Day brings together idea generators for as greener, more efficient future.

More flexibility and scalability by moving the IT infrastructure to the cloud.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

ChatGPT amazes people with its knowledge. But is that enough to deliver sustainability

strategies as well? More about this in the blog.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

You can display all external content on the website at this point.

I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

Green - With a net thats leads the way! | Sustainability | Deutsche TelekomBy 2025, Deutsche Telekom will reduce all direct and indirect emissions in the company to zero. And by 2040 at the latest, Deutsche Telekom will be completely climate-neutral along our entire value chain. By 2025, we will be climate neutral in corporate emissions.Learn more: https://www.green-magenta.com/en/green/#GreenMagenta

You can display all external content on the website at this point.

I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

Why corporate sustainability is important for T-Systems"We aim to be a leading sustainable IT-provider and make a significant contribution to lowering CO2-emissions, by speeding up our clients' digitalization journeys. […] Let's serve the whole society. We won't stop until our sustainable ICT-services are a winning argument for our clients – and the environment."Adel Al-Saleh, CEO T-Systems, December 2020

You can display all external content on the website at this point.

I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

Striving for Sustainability: HannoverMesse 2021Sustainability in a digital world - Harness the power of digital to reduce your carbon footprint Steffen Roos explains in his presentation at the Hannover Messe 2021 how a sustainable digitalization strategy can help companies on their own path to better climate compatibility and sustainability.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/industries/manufacturing/insights

Inspiring insights relating to the digitalization of the manufacturing sector

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform.

AWS Competency recognises quality of cloud professional and software services.

T-Systems and the German Mechanical and Plant Engineering Association (VDMA in German) are linking their data spaces.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

The MAX4SAP process framework helps avoid risks and reduce costs associated with SAP S/4HANA migration.

What is NIS2, what companies does it apply to, how will it influence cybersecurity, and how should you approach it?

Experts from Intel, IDC, and T-Systems will teach you how to use AI, analytics, and IoT to your advantage.

A key to putting your business into digital fast-track with experts from Pegasystems and us #Fastlane2Digital.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

You can display all external content on the website at this point.

I agree that personal data may be transmitted to third-party platforms. Read more about this in our privacy policy.

Future AI: When failure is not an optionOur artificial intelligence and machine learning experts René Phan and Jörg Heizmann discuss in this video how companies can successfully get such projects up and running and into an industrial application with the help of our AI Solution Factory.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/akamai-cloud-services

Reach your cloud goals with T-Systems and Akamai – quickly, easily, and securely

Cybercriminals are increasingly targeting the cloud as a potential gateway into company IT systems. Ransomware, phishing, botnets, and DDoS attacks are just a few of the strategies employed by hackers. Companies that do not have a suitable cloud security strategy in place risk not only ransom demands and data loss in the event of an attack, but also hefty fines as a result of possible GDPR violations.

Reliably protect against cyberattacks with the comprehensive security package from Akamai and T-Systems.

Most companies are aware of the threat posed by cybercriminals and are using various tools and technology to combat it. But patchwork solutions often pose a further security risk and open

up opportunities for hackers: they capitalize on the uncertainty of employees and are able to identify weaknesses more easily. Akamai's holistic approach delivers complete protection from a single source – for your customers, partners, and employees.

Do you know why hackers continue to be successful, despite companies investing significant sums into IT security? Because simple tricks still work to help attackers overcome corporate lines of defense.

Working remotely is becoming increasingly common, and scenarios in which employees need to access business data from outside the company have long been part of everyday life. With Akamai's Secure Cloud Communication Services (SCCS), users can directly and securely access applications in the cloud from anywhere over the internet – without being routed through the corporate network. SCCS utilizes Akamai's global edge service infrastructure and can be implemented as a cloud-based service quickly.

Akamai Secure Cloud Communication Services (SCCS) provide market-leading zero-trust services alongside many other network security features such as Secure Web Gateways (SWG), Firewall as a Service (FaaS), Threat Protection Services, and end-to-end encryption. This is how SCCS offers end-to-end security for cloud applications: traffic is monitored, phishing and malware attacks are identified, and sensitive data is protected. As a result, SCCS increases the flexibility of cloud services without compromising on security or performance.

The risk of falling victim to a cyberattack is higher than ever – as are the consequences for companies. Find out how the security package from T-Systems and Akamai optimally protects your IT ecosystem.

Defending against cybercriminals is like a game of cat and mouse: whenever a security gap is successfully closed, cybercriminals find a new one. Learn all about the hackers' simple tricks in our e-paper.

Enhance your web-based business processes and user experiences with advanced network technologies.

Protecting complex IT landscapes against cyberattacks does not have to be complicated: SD micro-segmentation makes it easy.

From applications to infrastructure: discover how Akamai's Cloud Security Services safeguard your IT environment.

We support you on your way to a secure cloud environment. Contact us!

URL: https://www.t-systems.com/de/en/careers/students-and-graduates/graduate-program

Become a digitization expert! With our Graduate Program, you are well prepared for your career start.

Our Graduate Program is made for ambitious graduates. You have the choice between two development paths: Tech or Digital. In addition to exciting technical training, you can expect practical assignments that are accompanied by experts. In addition, you will be accompanied by a Learn Coach for the entire duration of the program. After completing the program, you'll be ready to hit the ground running at T-Systems.

Are you a university graduate with ambitions and a desire to learn? Do you want to start your career, take over responsibility, but also develop and learn more in regards to IT-driven content? Then become part of the T-Systems Graduate Program. Here, theory, practice and personal responsibility are optimally combined.

Our 5-month Graduate Program starts in October 2023. The program is divided into three blocks , consisting of theory and practice. The onboarding days kick off the program and help you get started. After that, you will go through a learning phase of several weeks (Essentials), during which you will learn the basics for your new role and obtain your first certifications. Following this, a 4-month practical assignment awaits you, containing additional in-depth learning units, which you will complete with an advanced certification matching your track. During your entire learning journey, you will be supported by experienced mentors and agile coaches.

In the Graduate Program you have the choice between two different tracks – Tech or Digital. Here you can find out which one is right for you.

Are you passionate about IT? Then the Tech Track is just right for you. Within five months, you will learn everything you need to know as an IT specialist and put your knowledge into practice in projects. You will focus on architecture and consulting, deepen your knowledge of innovative technologies and help shape the digital transformation. In line with your future role, the Learning Journey includes the acquisition of a certification from our partners such as Google, AWS or Microsoft. With the Tech Track, you will successfully start your IT career at T-Systems.

Do you want to shape the digital world of tomorrow? Would project management and consulting be right up your alley? Then the Digital Track is the right choice for you. Here you'll learn the digital basics and expand your skillset in practice. Act as the link between business and IT. You will manage exciting projects, gather industry-specific know-how and advise our customers. To prove your skills, you will receive a certificate matching your specialization. Now you're ready to hit the ground running at T-Systems.

Take a look at the detailed process to get an overview of your time as a graduate at T-Systems. Throughout your learning journey, you will be accompanied by mentors. Both during your time at your business unit and through coachings, in which you will receive continuous professional feedback for your optimal development.

Starting out in a company as large and complex as T-Systems involves a lot of new impressions and information. That's why we start the Graduate Program with the Onboarding Days. Here you will get to know T-Systems and everything that is relevant for your start. And most importantly, you'll get to know the other graduates and build up your network within the company from day one.

After that, you start directly with the Essentials, your learning block on-site and virtually. You will gain initial insights into the topics of digitalization, project management and much more. The Essentials will show you hands-on what challenges we face as T-Systems but also our customers face. This way you can grow into your future role more easily. The first weeks take place in the whole group, after that the learning journey is divided into the two tracks. In order to be able to provide active support during your first project assignment, you will complete the first learning block with an initial basic certification in line with your chosen track.

You will apply the knowledge you have gained so far in your 4-month assignment at your "home

base" and gain an in-depth insight into the topics and projects of your department. You will be assigned your first tasks and responsibilities and learn what it means to work in your future role and what it is like to work in an agile environment. In parallel, you will go deeper into your field of expertise through additional trainings according to your track and target unit.

In the digital track, you will receive trainings in project management and complete it with a generally recognized certification (e.g. PRINCE2). In addition to sessions on agile project management and a certification as a SCRUM master, you will also receive trainings in the basics of software development as well as an overview of the processes in IT projects. This prepares you ideally to understand and manage IT-related projects.

The tech track includes trainings in modern software engineering, architecture and programming. Depending on the focus of future role, you will receive trainings in Python, Spring Boot, Terraform and Ansible, for example. In addition, you will receive cloud trainings and complete a certificate on Architecture from our partners Google, AWS or Microsoft.

Upon completion of your assignment, you will be ready to work full time in your target position.

Here you can download an overview of the program.

With us, you will start with an attractive graduate salary. As a Bachelor's graduate, you can expect a starting salary of around 52,479 euros. With a Master's degree, you will start with an annual salary of approximately 56,595 euros.

From day one, you'll have a permanent employment contract with all the benefits T-Systems has to offer. From company pension plans to employee shares, health checks to individual personal and professional development, everything is included for you!

Sounds exciting? Join us! For our Graduate Program we are looking for IT talents of today and tomorrow with the desire to learn and grow. We are looking forward to your application!

Sounds exciting up to this point, but you don't know which topic is the right one for you? Find out here.

Are you looking to kick-start your career in the exciting world of automotive and manufacturing technology? Look no further! The Business Area automotive and manufacturing Industries specializes in providing innovative IT and digital solutions to the industry's top players. We offer a dynamic and challenging work environment where you can put your skills to the test and grow professionally. From advising on customer experience to implementing sustainable solutions, there's always something new and exciting to work on. Our focus is not only on a secure and high-performance IT infrastructure, but also on innovative, digital projects that sustainably change our lifestyle and the way we use mobility. We advise, implement and operate our customers in terms of Customer Experience, Software-defined Vehicle, Industry-X, Sustainability & Corporate Efficiency.

T-Systems supports federal and state governments, cities and municipalities, security authorities, churches and social institutions, as well as science, teaching and research in their digital transformation. Whether it's new processes in the area of online access law, enabling vaccinations or the disbursement of social benefits – we are there.

The Digital Solutions portfolio unit is part of T-Systems and, as a digital enabler, is the unit for

digitalization. Our unit's services range from individual services to end-to-end solutions. We provide our customers with expert support at all stages of their transformation. We see ourselves as innovation drivers and make our customers' businesses fit for the digital future. We as the Business Area Publicare responsible for innovation topics for public sector clients. In doing so, we bundle competencies and capacities of industry-specific, vertical solutions for federal, state and local governments. Our customers need a transformation of their current system worlds toward ever greater digitization of their processes. To this end, we advise and support them with services and solutions relating to the design, development, maintenance and operation of software-based solutions for the public sector. State-of-the-art technologies and frameworks such as artificial intelligence, blockchain, self-sovereign identity, IoT and RPA allow us to advise and support customers accordingly.

The Mobility, Transport & Logistics (MTL) business area digitizes the mobility of people and the transport of goods. Four specialized business units create industry-specific solutions, from packing station software to digital displays of bus and light rail departures to departure information at airports. From the software of toll terminals to the digital waybill, terminal management at international airports to the control system for local transport companies. Thanks to T-Systems software, air passengers find the right gate and bus users the right vehicle.

With our solutions, we provide comprehensible information, simplified processes and faster handling. We integrate partner systems and other applications to create a complete solution for our customers. In international teams, we develop new ideas to support our customers and respond to major trends. With T-Systems software, we increase the attractiveness of public transport and thus contribute to the traffic turnaround. Through optimized routes in logistics, we reduce the number of kilometers driven, and through optimized deployment planning, services are set up to meet long-term and short-term demand.

Our experts bring more than 20 years of industry experience to the table. More than 40 airports worldwide use T-Systems applications for intelligent airport management. T-Systems software manages one of the world's largest networked vehicle fleets with over 13 million vehicles and supports the transportation of 350 million passengers per year in the Ruhr area.

Cloud computing is one of the main areas of expertise for T-Systems in which we stand ahead of our competitors. Using the potential of cloud, we help our customers to tackle their business challenges and expand and adapt rapidly to meet their short-term and long-term strategic goals. Within digital solutions, we focus on application-led philosophy in cloud migration and transformation solutions to fully design a dedicated cloud journey for each customer. This allows our customer to benefit from the full potential of cloud computing and architect and evolve their cloud infrastructure using continuous modernization approach.

We have deep expertise in main public cloud platforms including Amazon AWS, Microsoft Azure, and Google GCP, as well as Open Telekom Cloud (OTC) hosted within our data centers. As our customers' needs are expanding, we are working to expand our teams to meet these demands. This has given us the possibility to do active recruiting in many areas of cloud computing, including migrations, transformations, advisory, security, DevTestSecOps, and data.

T-Systems International is the most reliable technology consulting partner for several industries within Germany and other international locations. We have proven excellent delivery within automotive and public sector in Germany. Some of the biggest players in automotive and manufacturing rely on our services for their day to day operations.

You'll be a permanent hire at T-Systems – not only after you complete the program, but as soon as you start your learning journey. You will benefit from all the advantages T-Systems has to offer.

Upon completing the program, you'll receive an internationally recognized certificate that matches your qualifications.

We believe in lifelong learning. Even after completing the Graduate Program, you can continue to develop and advance your career with us.

Flexible, activity-based working at our Meet & Connect Hubs. Working from home. Work-life balance. International collaboration. These aren't just empty buzzwords; we live them at T-Systems every day.

Here you will find the application process. After just four steps, we'll welcome you to T-Systems.

You can apply for the Graduate Program online, directly via the job descriptions. For each track there is one job posting. Depending on your interests, you can indicate your preference regarding the topic focus in the application.

So that we can get an authentic picture of you right from the start, use the application as a platform for this! For example, we are interested in why you want to work for T-Systems and what drives you. However, a cover letter is not mandatory.

We should also be able to get an overview of your skills. In addition to your professional and educational qualifications, this also includes practical knowledge and international experience that could be relevant to your desired position.

You can find helpful information for your application in our application tips.

As soon as we receive your application, our recruiting team will start looking through your documents. We get an overview of your skills and professional qualifications.

If, after reviewing the documents, your profile fits to us and the Graduate Program, we will invite you to an initial mindset interview. This is about you as a person, what drives and motivates you. We want to find out who you are and whether you could be a good fit for us.

Should the Mindset Interview be positively concluded, we will invite you to an interview with the manager of your chosen area of interest. The interview is the heart of our recruiting process. Here, we want to get to know you better in a virtual or face-to-face interview and give you the opportunity to get to know T-Systems and your potential future colleagues. We also plan enough time for your questions. If there is a need on your side or ours, there could be a another interview. After the interview, you will receive feedback and the final selection decision.

Now you've made it! You are now a T-Systems Graduate and part of the Magenta family. You can look forward to interesting professional challenges.

Soon you will find here the new offers.

Do you have questions about the Graduate Program? I'll be happy to help.

URL: https://www.t-systems.com/de/en/newsroom/expert-blogs

Understanding today. Shaping tomorrow.

Get to know our authors

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future.

VMware Cloud on AWS offers an easy and low-risk entry into AWS for legacy workloads. VMC Flex allows the use of VMware as a true IaaS.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

Discover common pitfalls to avoid when implementing a Zero Trust security strategy and ten essential steps.

Stable SAP landscapes and maximum performance are crucial for success. Why SAP Application Management is the basis.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

Find out why the Zero Trust approach is more relevant in today's world of digital transformation and hybrid work.

What is the meaning behind the buzzword and what significance does sovereignty have for digitalization?

The MAX4SAP process framework helps avoid risks and reduce costs associated with SAP S/4HANA migration.

We are linking the physical supply chain with the financial supply chain to increase resilience, automation, and value creation.

ChatGPT amazes people with its knowledge. But is that enough to deliver sustainability strategies as well? More about this in the blog.

Mainframe computers are essential to many industries but operating them poses challenges. Here's how to overcome them.

URL: https://www.t-systems.com/de/en/security/solutions/managed-detection-and-response

Provide no attack surface to attackers with MDR's new level of threat detection and incident response

As businesses adopt digital technologies and platforms, the number of threat vectors increases as the attack surface expands. Endpoints serve as primary entry points for cybercriminals. Once an endpoint is infected, the attacker can move within the company network to cause more damage. Therefore, securing the endpoints in an organization is crucial.

Not only security solutions are constantly evolving, but cybercriminals too are. They are continuously refining their tactics to launch attacks. As a result, attacks have become complex and difficult to detect. Once an attacker gains access to systems, the consequences could be data theft, operational downtime, reputational damage, and loss of revenue – some of which can bring an existential crisis for an organization. To avoid this, businesses need a well-thought-out security strategy.

How quickly can your IT department detect and respond to a cyberattack? With Security Shield and MDR from T-Systems, you are protected in real-time with faster detection and response.

Our cyber security experts will be happy to help you with all your questions about endpoint security, detection, and MDR services.

Our Managed Detection and Response (MDR) solution combines state-of-the-art defenses that guarantee the security of your endpoints with the knowledge and experience of our security experts. Our team of analysts in the Security Operations Center (SOC) continuously monitors all activity on your endpoints to analyze, filter, and prevent suspicious events from occurring. This enables us to respond quickly to threats and stop processes before they can execute and cause damage.

A SOC monitors an organization's network and endpoints 24/7, offering expert knowledge and regular security updates, enhancing security readiness.

Endpoint Protection uses machine learning for early threat detection, continuously analyzing endpoint data for suspicious behavior and triggering alerts for immediate investigation.

EDR processes endpoint data for analysis by the SOC, ranks alerts by criticality, and enables real-time responses to potential threats, enhancing incident response capabilities.

Incident Response initiates countermeasures, isolates affected hosts, and prevents the execution of malicious files to minimize the impact of security incidents and protect organizational data.

The increasing cyber threats and risk landscape present challenges, including resource and security teams' limitations in implementing robust security. Our MDR services combine cloud-based security with our expert guidance, offering an end-to-end approach that starts with a security assessment to understand your current security architecture and find existing gaps. This assessment serves as the foundation for a tailored security strategy.

We provide end-to-end support, from assessing your security status to implementing and monitoring endpoints. Leveraging advanced threat detection methods, we actively identify and address potential threats in real time, bolstering your security posture. We offer ongoing threat intelligence and adjustments through consultations, ensuring readiness for emergencies and immediate incident response in real time for uninterrupted operations and business continuity.

URL: https://www.t-systems.com/de/en/careers/students-and-graduates/internship

A look behind the scenes with an internship or flexiship

Whether you're in the middle of studying, a graduate aiming for a follow-on master program or are consciously deciding to take some time out from studying to fully concentrate on an

internship – we will find the right placement for you. What is important for us? Your personality. We are impressed by what makes you stand out, people who have interesting experiences to share, and those who broaden other people's perspectives. After all, the diversity of our employees is one of the reasons for our success. Forget all the clichés that spring to mind when you think about internships. We will give you responsibility – to take on challenging projects which allow you to grow, both personally as well as in terms of expertise. You can make your first important contacts and start to build up a personal career network. In addition to an attractive salary, we also offer plenty of fun in our agile teams.

Find all the currently available internships here.

You can take up a voluntary internship of four weeks up to a maximum of six months at any time during your studies. During your internship, you will have the statutory holidays to use as you wish. If you are looking for a voluntary internship which also fits in around the lectures in your study plan, we recommend our "flexiship" – the flexible internship.

The flexiship promises complete flexibility and freedom to choose your hours for a maximum of 18 months. What this means for you: you agree an hourly allocation with your T-Systems team for the duration of the internship which works well for both sides. We take stressful exam periods and compulsory lectures into account and you will still have the opportunity to take part in long-term projects.

Your remuneration will vary depending on whether you have completed a bachelor's or master's, and whether you are completing a compulsory internship or voluntary one. The remuneration during a flexiship will be pro rata. You can find a detailed overview here:

800 € (Bachelors-Degree/preiod of transitionbetween Bachelorand Master)

1.000 € (Masters-Degree)

34h-week: 1.774 € (as of 01.01.2023)

36h-week: 1.879 € (as of 01.01.2023)

38h-week: 1.983 € (as of 01.01.2023)

40h-week: 2.088 € (as of 01.01.2023)

Info: the remunerationfor internships lastinglonger than 3 monthsis based on therespective minimumwage.

660 € bis 1.560 €(as of 01.10.2022)

depends on yourallocation of hours(min. 55 hours/month until max.130 hours/month)

In our company, you will only make your own coffee. Surely you're already familiar with using the printer and photocopier. This is why we would prefer to assign you to our project work, including your own projects. This lets you show us what you're made of. Perhaps it will also turn into a subject for your dissertation.

During your internship, you will have a personal tutor and you will get regular feedback.

The internship is an amazing opportunity to gain career experience but also to make professional contacts. A personal career network is helpful – during your time in the company but also beyond the duration of the internship. For that, join the InTerns@Magenta community to make the start at our company a little easier, get support from other interns, and find the right people for you.

Do you have questions regarding entry with us? I am happy to help.

URL: https://www.t-systems.com/de/en/industries/automotive/solutions/teleoperated-driving

It will soon be possible to control cars remotely. This would mean that the car industry has reached level 4 on the road to autonomous driving

It will be several years before truly autonomous driving is possible. Until then, driving will be taken over step by step by systems in the vehicle. Manufacturers are currently developing vehicles that move automatically and are ultimately fully automated. But engineers and computers still have to overcome a number of technical hurdles, one of which is a stable and low-latency mobile network.

Teleoperated driving, stage 4 on the way to true autonomous driving, is the remote-controlled driving of a vehicle by an operator. Automated driving is only possible with mobile phone networks that offer stable data throughput, the shortest possible latency times, and uniform network coverage.

There are already concrete application scenarios for the remote-controlled driving of cars and trucks. In automated valet parking, drivers park their rental car or personal vehicle in front of the hotel, airport, or train station. A person then brings the car to the parking lot via remote control. On arrival, the car is driven up using the driverless parking function. In intralogistics, people drive trucks to their destination by remote control over fixed routes, for example to the warehouse after unloading a ship or to the parking lot at the end of production.

In the automotive industry, the development towards autonomous driving consists of five stages: assisted, semi automated, highly automated, fully automated, and autonomous. Assisted driving has been around for several years. Examples include cruise control, automatic distance control with adaptive cruise control, and automatic lane departure warning systems. In semi-automated driving, the car temporarily performs tasks itself. For example, it can simultaneously stay in the lane and brake or accelerate. Individual assisted driving systems are combined for this purpose. Semi-automated driving also includes automatic parking, which allows the driver to take his hands off the steering wheel for a short time. However, it is not yet possible to reach level 2 without a driver. A human must be able to monitor and correct the system.

In a highly automated vehicle, a human driver is still needed, but can occasionally do other things, such as reading the newspaper. However, if the car gives an alert, the driver must be able to take the wheel again immediately. The vehicle can take over driving, overtaking, braking, and accelerating independently for a limited period of time. However, the level 3 car needs clear traffic situations, e.g. clear road markings or no oncoming traffic. The first models with highly automated operation are already available. However, the use of these systems in road traffic is not yet legally permitted.

Car companies are currently also developing systems for fully automated driving. At level 4, the

technology takes over all driving tasks independently. A vehicle is capable of covering distances without human intervention. A human driver only has to take the wheel when the system demands it. The final stage corresponds to true autonomous driving. The vehicle is completely guided by the system from start to finish. The driver is more of a passenger at this stage. This is an important difference from a legal standpoint, because in the event of an accident, it is not the owner of a car who is liable, but the manufacturer. As yet, however, there is no precise legal framework for autonomous driving.

For remote-controlled driving, cars need two components: an onboard unit in the car and a control center from which a driver controls the car. The control unit in the car gives the driver access to functions such as the brakes, accelerator, and steering. In return, the onboard unit provides a real-time view of the current road situation. A vehicle needs at least four HD cameras for this. For the video stream, the data must be transmitted stably via the mobile network to the control center. Emergency programs ensure safety in the event of a power failure or an unforeseen event. The cars then independently brake or initiate an evasive maneuver.

Latency on the mobile network is a critical variable for remote-controlled driving. It determines both the driver's reaction time and the transmission of the traffic situation. Only a maximum latency of 50 milliseconds enables a vehicle to be steered remotely at low speeds. This means that teleoperated driving is already possible on the 4G/LTE network, provided that sufficient available capacity is ensured in a cell. The 5G network will reduce the latency to below ten milliseconds. At the same time, many more end devices, including connected cars, will be able dial into a cell without significantly worsening the latency.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/careers/entry-areas/sap/youlearnsap-entryprogram

Our 12-month entry program holds SAP certifications, practical experience and personality training in store for you.

Do you have your university degree on your wall and a desire to shape the future of SAP user companies? A one-year entry program will immerse you into the exciting and forward-looking world of SAP.

Not only do you learn about us as a company, our processes and how we work, but you will also gain the opportunity to earn various SAP associate certifications - such as SAP Activate, the SAP implementation framework for the SAP S/4HANA business suite - in supervised learning groups. These additional qualifications will continuously open doors for you on your career path.

Of course, we highly value hands-on experience: during the course of your training, you will use your abilities in different projects in various industries, such as automotive, public, retail, travel, transport and logistics. A wide variety of tasks awaits you! Which industry is the best fit for you? You decide the industry, in which you wish to specialize. To ensure that you always feel at home, we provide you with your personal mentor, who will assist you with everything.

Entry program overview

My expectations about the #youlearnSAP entry program have been surpassed. I felt right at home at the company as early as during Welcome Week. Many experts have set aside for us and have carried us off into the world of SAP. I have a lot of fun working together in a team and gained varied insights into the world of practical work. I have successfully taken part in two SAP certifications as well.

Ivona, participant of the #youlearnSAP entry program

Get a start into your personal SAP career - now! The objective of #youlearnSAP - T-System's SAP entry program - is to train young talent to become SAP experts and therefore counteract the lack of skilled workforce in the industry.

To that end, you undergo very intensive and qualified training in just one year. The industry's requirements are special and dynamic. As a result, our #youlearnSAP entry program is constantly being developed. By doing so, we ensure that you always have the latest knowledge during your training, which closely intertwines theory and practice. In addition to a wide variety of on-the-job project assignments, you can also obtain prestigious certifications.

We will take care of all the training and certification costs.

And we will not abandon you: during the entire one-year training, you will have an experienced mentor by your side, from onboarding to imparting the SAP basics and even specialization.

In addition, we will pay you an attractive monthly remuneration so that you do not have to work as an entertainer at a hotel on the side and can fully focus on the program.

Do you have questions about the #youlearnSAP entry program? I will be happy to help you.

Senior Recruiter

URL: https://www.t-systems.com/de/en/industries/automotive/solutions/automotive-security

Comprehensive protection against cyber attacks over the entire life cycle of the vehicle is becoming a must

The modern car offers an ever increasing target for hackers: the networking within the vehicle, with other vehicles, and with the traffic infrastructure, the manufacturer's back end, and the passengers' smartphones and tablets open up numerous new gateways for hackers. T-Systems offers a comprehensive automotive security strategy – from the development of the vehicle, through production and operation, to decommissioning.

Spying out vehicle position data and creating movement profiles of people, manipulating control equipment remotely and blackmailing fleet managers, calling expensive hotlines via the integrated SIM card, or outwitting the radio key system and stealing the car: hackers can have different methods and reasons for attacking a connected vehicle. The automotive industry must adopt and link security measures for all areas of the connected car's digital ecosystem. This also applies to all data – from creation to transmission and storage. The objective: end-to-end security. This is indispensable, especially with regard to autonomous driving, as third-party interventions bear even greater risks.

In this guide, you will learn how SASE can help automotive companies by bringing together

connectivity, performance, and security. Find out where you are on your SASE journey.

Security concepts for connected vehicles must take into account the entire service life of the car and its individual components. Comprehensive security begins with Security by Design: safety considerations must be taken into account right from the development of vehicle parts and functions. Even before the first kilometer is driven, penetration tests can be used to detect potential weaknesses in hardware and software. The data traffic in the car must be continuously monitored and protected just as much as the interfaces to the outside world. This applies to the mobile phone network as well as to the car manufacturer's back end. T-Systems offers you perfectly suited solutions to protect your vehicles against cyber attacks and advises you on the implementation of new standards such as ISO/SAE 21434 and UNECE.

Deutsche Telekom's business customer division T-Systems also provides car manufacturers and suppliers with solutions to ensure the end-to-end security of the IT and telecommunications infrastructure around the networked vehicle in addition to functional safety. The security portfolio for the automotive industry is an important component of the Telekom Security Group unit. The broad automotive know-how in the Group with around 4,000 automotive experts is coupled with security and data protection solutions made in Germany.

Within the framework of the EU regulations on cyber security, the UNECE is currently working on a certification for a cyber security management system (CSMS), which is to become mandatory for the type approval of vehicles. In addition, the ISO/SAE 21434 standard is intended to define a technical standard for uniform measures in vehicle development to protect connected vehicles against cyber attacks. It is expected to come into force in November 2020 and defines organizational procedures to ensure vehicle safety. These include methods for risk assessment and product testing as well as requirements for vehicle production. When it comes to implementing IT solutions for the automotive industry within the scope of these guidelines, T-Systems, as a BSI-certified IT security service provider, is at your side in the area of security consulting and will advise you individually on all questions relating to cybersecurity for the automotive industry.

T-Systems develops software for connected cars, electric cars and autonomous driving.

Using services offered by T-Systems, carmakers can carry out over-the-air updates for the software in their vehicles.

How comprehensive cyber security creates a solid and secure foundation for digital processes.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and operation of security solutions for the connected vehicle. Get in touch!

URL: https://www.t-systems.com/de/en/industries/manufacturing/topics/aerospace-and-defense-industry

Sustainable production, optimized supply chains: how the aerospace and defense industries are positioning themselves more efficiently

The digital transformation is well underway for providers within the civil and military aerospace and defense sectors: Many of them digitalize core processes in development and production, in order to bring new, sustainable technologies onto the market quickly, or tap into new business areas such as urban mobility. At the same time, they must establish stable, high-performing

supply chains in order to avoid bottlenecks and enable increased rates of production.

New drive technologies based on hydrogen, electrification, and sustainable aviation fuel improve the carbon footprint and enable climate-neutral flight. To ensure such approaches can be brought to the market quickly, flexible and high-performing development processes as well as efficient collaboration are needed within the supply chain. Resources based on sovereign, highly available, and CO_2-optimized cloud environments, such as for simulation and digitalized verification, help to ensure cooperation is efficient and secure, while facilitating growth.

T-Systems helps companies from the aerospace and defense industries to master current challenges. Solutions for Product Lifecycle Management (PLM) and Supply Chain Management (SCM) ensure efficient processes within the supply chain. With the Sovereign Cloud powered by Google, sensitive data can be securely processed – fully compliant with regulations – in German data centers. For organizations operating in the sphere of public security and defense with particularly high-security requirements, T-Systems Information Services is developing innovative solutions, with which core tasks can be digitalized and complex processes automated.

The European Space Agency (ESA) has chosen T-Systems as service provider for the Copernicus Data Space Ecosystem.

Aerospace production systems are required to meet the highest standards of quality and industrial efficiency. At the same time, the achievement of necessary sustainability goals does not stop at the production stage. With modern, digital solutions – such as AR and VR methods – T-Systems helps to increase the level of automation in production and configure processes more efficiently, in addition to reducing the consumption of precious energy and resources in the name of sustainability.

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Fuselage, wings, jet engines: Many of the millions of components that make up an aircraft are manufactured by external suppliers. This makes for a complex supply chain: suppliers of raw materials, equipment and component producers, and the aircraft manufacturers as integrators. All of them have to adhere to quality standards and documentation obligations in order to guarantee safe flights. Our video shows how this goal can be achieved with the help of an intelligent data platform – the T-Systems Sovereign Cloud powered by Google Cloud.

Are you interested in innovations in the sector? Get your free copy of the white paper now.

T-Systems is supporting the DLR in planning its time and resource-intensive ERP migration.

Innovative data-based solutions to revolutionize industrial processes and drive digital transformation in manufacturing.

Digital, networked, and intelligent: How digital manufacturing works.

Our experts can answer any questions you may have about your digital transformation: Which cloud is the best fit for your business model? What aspects do you need to pay special attention to in your industry? How can data protection and security be guaranteed?

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/enterprise-content-management

We build the missing bridges in your infrastructures and business processes through automated workflows

Lead your company to digitalization and automation using RouteMaster interfaces. With RouteMaster you can conveniently and continuously optimize, configure, control, and monitor your business processes. This allows you to automate workflows (process automation and process management) and drive improvement in your business process management (BPM), efficiency, and digital transformation in your company's day-to-day operations.

RouteMaster can not only support simple connections between several applications in your company but even complex business integration procedures and processes, in which several applications interact, can be easily implemented throughout the company. Exchanged digital messages can be expanded with additional data, transformed, or forwarded depending on the content.

Frequently used functionalities for automating processes are, for example, the Excel-Im-Export, the processing of different types of data formats, the efficient connection of distributed applications, and the exchange of messages.

RouteMaster can use and modify standardized solution approaches for typical integration challenges based on Enterprise Integration Patterns (EIP). More than 60 sample solutions are offered for this purpose, which can be used or adapted as required. With the creation of individual interfaces, such as the "Message Router", you have the option of processing messages differently depending on the content. Build the right solution for you with over 300 components to choose from. For example, you can use "ActiveMQ" implementation to write a message to a queue.

The aim is to be able to successfully use a large number of innovations out of the box with the use of RouteMaster in your company. The use does not require any programming knowledge, all routes can be configured using templates, components, and data formats. The interface configuration is done via the graphical user interface. This result is presented as an XML route. The process can be tested, started, and stopped step by step.

Would you like to learn more about how you can improve your workflows capability and transform your business process management (BPM) using RouteMaster interfaces? Our employees will be happy to advise you and will be at your side in all steps with the important information about the processes, implementation as well as the technologies, tools, and methods used (e.g., ETL processes).

From data management to analysis and optimization of your business processes. With our know-how, we want to understand and solve your problems. Automate your workflows and improve your business process management processes with the RouteMaster interfaces. Get in touch!

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how companies and organizations from the retail, logistics and utilities sectors use our

solutions to increase the flexibility, productivity, efficiency and quality of their operations.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

Logistics company FIEGE counts on T-Systems for its SAP operations.

Revenue Assurance shines a light on invoicing related systems and processes, and delivers recommendations for optimization.

Toll4Europe supports cross-border trips with just one on-board unit.

T-Systems supported a logistics company as managed service provider.

T-Systems builds a digital platform within 24 hours to support the Mercabarna wholesale market in distributing food.

The modular toll platform collects road tolls without the need for an additional infrastructure.

With the FashionTAG as an electronic price tag for clothing, a department store chain has made a successful start with digital commerce.

For an internationally operating consumer goods enterprise, T-Systems developed a solution based on public cloud services.

Logistics company modernizes its branch POS system and makes it more flexible with software-as-a-service from the cloud.

Using the GRC (governance, risk, compliance) cloud, T-Systems provides an enterprise risk management system for the Otto Group.

The private cloud serves as a solid foundation for shopping and the customer experience.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/content-and-collaboration/topics/workflow-optimization-with-data-h

Companies often have massive data. We enable you to harmonize and migrate it to new systems

Knowledge is valuable. For products processes, and innovation in companies. But the treasure trove of data often exists in many different forms and in different tools and systems. How do you successfully migrate them to uniform, modern applications? What does secure and efficient enterprise content management look like? And how do companies design access and collaboration to be flexible, agile and virtual?

Mobile working in the home office or on the road, access to data and applications anytime and anywhere - companies need to make their business processes agile to be resilient and fit for the future, and ensure their employees can collaborate in hybrid and virtual workplaces. Enter cloud collaboration solution: Collaboration 365 with Managed Hybrid Services for Citrix Cloud. This gives companies all the elements of a comprehensive collaboration strategy. Virtual workplaces,

including all the necessary digital tools and with the highest security standards, can be rolled out and managed in just a few hours.

What you should consider in terms of the future of work.

We offer the right tools and comprehensive expertise for efficient data management, a future-proof application landscape and a modern IT infrastructure for digital collaboration. Feel free to contact our team of experts!

The move to cloud collaboration tools, new intranet platforms, a company merger introducing new systems: are scenarios where companies want to transfer large amounts of data for which intelligent migration solutions are needed. Simply transferring all old data records to the new system or implementing parallel operations with the legacy system is not very efficient. T-Systems helps you with modern migration services based on the Vamosa tool. The tool checks and optimizes the data sets and migrates them automatically to the target system - whether in the cloud or on-premise.

Knowing where it's needed: Information is often available in huge quantities in companies. The challenge: Provide data and documents transparently to ensure they help optimize workflows, reduce costs, and increase work efficiency. To do this, companies need efficient digital information management. This is where our enterprise content management comes in. We will advise you on modern solutions, ensure data harmonization, integrate it into existing IT landscapes and adapt the solutions as required.

URL: https://www.t-systems.com/de/en/industries/manufacturing/topics/product-lifecycle-management

Unlocking competitive advantage through innovation and sustainable product lifecycle management

In today's highly competitive business environment, manufacturers need to make swift investments in technology to drive meaningful improvements and innovations quickly. Product lifecycle management (PLM) offers a structured and systematic approach to managing the entire product development lifecycle, from concept to end-of-life.

The traditional siloed approach in product development and manufacturing is giving way to more collaborative methods. Cross-functional teams, including designers, engineers, suppliers, and even customers, can work together in real-time results in faster decision-making and reduced time-to-market. The extensive data generated throughout the product lifecycle also offers valuable insights. Coupled with AI and IoT, manufacturers can use this data to optimize processes, enhance product quality, guide product improvements, and enable a more sustainable approach.

Find out how an integrated product lifecycle management architecture will pave the way for future engineering.

Are you ready to take your product development and manufacturing processes to the next level? We deliver cutting-edge digital solutions that will revolutionize your operations.

Customization of a PLM system is often complex. Many companies avoid upgrading their PLM version because of the effort, risk, and time it needs. With Cloud PLM, you can use all PLM resources required flexibly as a service and pay as per requirements instead of having to

maintain large IT capacities and software licenses. Furthermore, it opens up opportunities to extend the application of PLM into areas such as project management, quality management, change management and requirements management.

With the integration of a digital twin, eliminate silos and create a digital thread. This enables a seamless tracking of the entire product lifecycle and forms a uniform information basis for optimizing development, production, and maintenance. With enhanced collaboration and data exchange, manufacturers can now make smarter decisions to enable better product development, manufacturing, and service operations.

T-Systems' PLM integration hub streamlines engineering and manufacturing data and processes by seamlessly integrating diverse systems like CAx, PDM, and ERP. Our solutions facilitate data exchange and collaboration, enabling manufacturing organizations to effectively manage complexity and change. With centralized views, efficient search, navigation, traceability, and change impact analysis, teams can address challenges with precision and agility.

URL: https://www.t-systems.com/de/en/application-services/solutions/servicenow-solutions/transparency-s

The solution not only helps meet legal duties but also frees up time to improve human rights in your supply chains

Since January 2023, companies with more than 3,000 employees must prove that they analyze their supply chains with regards to human rights, define corrective measures and implement them. The law places the responsibility for this on the management. German companies must introduce a complaint procedure directed through a complaint management system and act when violations become known. Thus, the German Supply Chain Due Diligence Act (LkSG) would emerge as a game changer to stop human rights violations.

Our in-house developed out-of-the-box solution, based on ServiceNow helps you:

The solution is based on our methodology from contract to compliance and includes a risk management system that is updated automatically daily. Depending on the selected package, internal and external data are combined to not only fulfil legal obligations but also to create time to optimize supply chains in terms of human rights. The integrated contract lifecycle lanagement enables you to contractually agree on your code of conduct and necessary corrections, including e-signature, and to use them for communication without media disruption.

The solution is designed to be modular and scalable. Include additional tiers in the supply chain with external data, check contract clauses for additional risks or changed legal situations with AI and include them in the risk analysis, or save travel costs and CO2 emissions with our AR-assisted remote audit functionality. The Transparency Suite solution can be readily utilized to comply with various regulatory requirements, including those pertaining to data privacy, data sharing, and the implementation of a comprehensive ESG management and reporting platform. Talk to us and let us surprise you with the many additional possibilities.

Our solution Transparency Suite enables the creation of reports and transparent management to comply with ESG requirements, such as transparent supply chain and sustainable facility management.

Download this white paper to understand the business value and impact of 'Supply Chain Act' as companies must report human rights data from 2023.

How we become a climate neutral company, and how we support clients in their sustainable digital transformation.

Read the story of our fictional coffee grower and learn how SAP technologies are creating sustainable supply chains.

Wouldn't that be lovely. But we first need to understand where precisely we are when it comes to the subject of sustainability.

Our experts support you with end-to-end risk analysis across your supply chain and processes. Achieve goals and legal requirements from the Supply Chain Act with our know-how!

URL: https://www.t-systems.com/de/en/iot-and-edge

Improve the efficiency of Internet of Things (IoT) applications with edge computing infrastructure

More companies are turning to IoT solutions to improve efficiency and decision-making, automate processes, and monitor equipment. Edge computing is the gateway to IoT. It enables them to process vast amounts of data securely and in real-time on-site. Moreover, it helps minimize latency. Fundamentally, the edge saves cloud resources and enhances the operational performance of IoT-related applications while reducing costs.

Improve the efficiency of IoT-based applications and processes with edge computing.

IoT connects people, machines, processes, and data, and leads to new opportunities for growth.

Rethink your edge cloud strategy. Learn how digital leaders do it differently.

Enhance your competitive edge by inducing Edge computing at the core of your digital technology platforms.

Manage data streams more efficiently and realize innovative application solutions for more sustainability with Edge computing.

How cloud innovation coupled with edge computing is fueling business performance in the automotive and manufacturing industries.

Let us accelerate your IoT journey. With a proven range of IoT edge computing services, including industry-specific solutions, we can help. Call our expert team today.

URL: https://www.t-systems.com/de/en/sovereign-cloud/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform.

T-Systems renews Premier Partner status and adds Security Specialization to Google Cloud offering.

T-Systems receives "Leader" and "Rising Star" status within Google partner ecosystem by leading analyst.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

What is the meaning behind the buzzword and what significance does sovereignty have for digitalization?

Why must businesses focus on cybersecurity and compliance together, and how compliance can turn into an advantage.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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The T-Systems Sovereign Cloud powered by Google Cloud enables a digital patient journey in the healthcare industry.

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Data sovereignty in the automotive industry | Sovereign Cloud Use Case | T-Systems

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Sovereign Cloud from T-Systems & Google Cloud | Differences of sovereignty mechanismsThe subtle difference between "built-in" and "built-up" sovereignty mechanisms - Max Ahrens. (Video in German language)

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/enterprise-content-managemen

Analyze and modernize your document management and archive process with Content Service Fitness Check

Simplify your processes with documents and review the performance of existing systems regarding comprehensive digitalization. The combination of T-Systems' expertise and our

proven process model creates comprehensive understanding and identifies specific areas for action ensuring GDPR compliances.

Awareness Workshop 1, 2

one time cost

1 day workshop including:

Investigation Workshop 1, 2

one time cost

2 day workshop including:

This offer is only valid for business customers of T-Systems International GmbH. All prices are net prices quoted exclusive of VAT at the applicable rate.

The workshop is limited to one business unit or location for assessment.

Find all information about the Content Service Fitness Check briefly in one document.

URL: https://www.t-systems.com/de/en/newsroom/newsletter
Never miss a thing: The digital future in your postbox

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

URL: https://www.t-systems.com/de/en/industries/public-sector/insights
Inspiring insights relating to the digitalization of the public sector

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to your industry and us – now and in future.

T-Systems is supporting the state of North Rhine-Westphalia in digitalizing its fire and rescue services' control centers.

GovMarket migrates operations and becomes a customer of T-Systems' Sovereign Cloud, powered by Google Cloud.

T-Systems and Swiss canton begin proof of concept.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

What is the meaning behind the buzzword and what significance does sovereignty have for

digitalization?

ChatGPT amazes people with its knowledge. But is that enough to deliver sustainability strategies as well? More about this in the blog.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/advanced-applications-ad

Advanced Applications GmbH's transformation of SAP business to the AWS cloud enables new services for customers

Many companies are looking to modernize and evolve SAP applications and workloads on an efficient and cost-effective cloud platform. With the demand for cloud services on the rise, Advanced Applications decided to use AWS. They were looking for a partner who could provide rapid, low-risk migration to AWS. T-Systems, a certified AWS SAP Services Partner, was selected to support Advanced Applications.

T-Systems enabled Advanced Applications to integrate AWS (Amazon Web Services) into the Advanced Hybrid Cloud. ISG's Ecosystem Provider Lens™ confirms that T-Systems is one of the leading service providers for AWS in Germany. With the high level of technical expertise, market knowledge and customer success in this field, T-Systems has set the foundation for AWS Managed Cloud Services and has provided the connection to AWS. This has helped Advanced Applications in supercharging their performance, flexibility, and security while also getting a head start with delivering new services for their customers.

Advanced Applications has its own data center infrastructure. With changing customer requirements and business models that emphasized a cloud-first approach, Advanced Applications was looking for cloud solutions that were fast enough to meet the demands of real-time operations, flexible enough to adapt quickly to changing business and market requirements, and secure enough to protect valuable data. Moreover, the company was looking to scale and provide new services to their customers with greater agility and integrate them directly into the existing Advanced hosting operating model. This was becoming increasingly difficult to address within its own data centers. The long lead times for hardware and the changing customer preferences warranted a change. The challenge was to scale and modify the SAP environments, acquire, and deploy cutting-edge hardware platforms, and work with clients in new markets quickly and affordably. As an AWS Premier Partner with an excellent track record of global transformation of IT landscapes, T-Systems guided Advanced Applications and supported them by adding SAP on AWS to their portfolio.

Telekom has already been a long-time partner providing us with an excellent service over the years. With their expertise in Managed Cloud Services, T-Systems as part of Telekom helped us get started with AWS and enabled the seamless transformation of the SAP business to the cloud. This has allowed us to offer new services for customers and modernize the SAP systems.

Bülent Cira, Teamlead Cloud Services - Advanced Applications GmbH

"T-Systems provided top-notch consulting when migrating and deploying SAP applications on

AWS ", Bülent Cira at Advanced Applications. From building a business case and defining the roadmap to choosing the best solution and migrating instances to integrate with the existing IT landscape, T-Systems planned and delivered the AWS Direct Connect.

T-Systems also supported Advanced Applications by securing their cloud environment – from planning and designing to calculating, building, and optimizing workloads. Advanced Applications became a multi-cloud provider, offering its customers provision from different hyperscalers and was thus able to utilize deep expertise, cutting-edge innovation, and a broad range of services needed to take the cloud value to the next level.

Deploying S/4HANA production environments helped in streamlining this process while integrating the SAP workloads with cloud services further simplified management by automating resource provisioning and other system maintenance.

The consulting and seamless and rapid cloud deployment provided by T-Systems has helped Advanced Applications transform into an innovative SAP provider for SMEs, while also ensuring greater operational agility, higher innovation capabilities and opportunities for new businesses. The adoption of the cloud-first approach has helped Advanced Applications provide cost-flexible SAP services, accelerating business processes, and minimizing the time required to generate value. The move to the cloud environment also ensured enhanced security and compliance capabilities. In addition, global availability and scalability are some benefits offered by Managed Cloud Services for Advanced Applications and its customers. T-Systems has been a trusted partner providing ongoing guidance and support from strategy to deployment to continued operation.

The smooth transition and around-the-clock support offered by T-Systems helped Advanced Applications meet its critical needs for efficiency and scalability, while also giving it the head start it needed to deliver new services to its customers.

The entry into AWS facilitates seamless transformation of SAP business to the cloud and enables new services for customers.

Advanced Applications is SAP Gold Partner that offers a complete range of services for the clients' SAP ERP and S/4HANA environment. The company is focused on serving enterprise customers in the fields of high-tech, medical technology, automotive, mechanical as well as process manufacturing for pharma. Founded in 2002, the main business areas for Advanced Applications include SAP consulting, support, integration and development, as well as implementation, maintanance and hosting. Over the past 20 years, Advanced Applications has supported more than 250 customers with their SAP system landscape and digitalization. Today, the company has more than 120 employees at 7 locations worldwide with its headquarters in Rottweil, BadenWürttemberg in Germany.

To the company

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/autonomous-logistics-trial-kit

Accelerate the digitalization of intralogistics with T-Systems' and Ericsson's 5G autonomous solution

Obstacle avoidance and path re-planning

Seamless integration of 3rd party applications

Remote control and monitoring

T-Systems together with Ericsson offers Autonomous Logistics software solutions that lie within the framework of 5G campus networks with an edge infrastructure. As part of this framework services with functionalities for the automation of transport on the customer's company premises are created. Customer requirements are implemented firstly for the digitalization of analog processes and secondly for making production processes more flexible and scalable.

Autonomous Logistics Trial Kit 1, 2

one time cost

Deployment Period: 4 weeks

Remote expert support throughout the trial period of 4 weeks

This offer is only valid for business customers of T-Systems International GmbH. All prices are net prices quoted exclusive of VAT at the applicable rate.

4G/5G modem will be provided depending on the availability of the licensed spectrum. The passive roller conveyors are to be considered as per assessment results

All product information and offers about Autonomous Logistics Trial Kit in one document.

URL: https://www.t-systems.com/de/en/products-and-offers

Ready-to-use solutions and packages that you can implement quickly and cost-effectively

Discover our ready-made entry-level packages, which can be combined and/or expanded flexibly. If you have any questions or for individual offers with particular benefits or terms, feel free to contact us at any time.

Simplify your processes with documents and review the performance of existing systems for comprehensive digitalization.

Experience new edge digitalization of intralogistics with T-Systems' 5G autonomous logistics solution.

Get a 360-degree view on ServiceNow usage with QuickCheck assessments on delivery shoring, quality and automation.

Give your cloud environment the right health check. Work with our AWS security experts and get a guided roadmap.

Combine a real VMware Stack with AWS native services. Pay as you go.

Ensure data compliance in Europe with Cloud Privacy Service.

Process your €49 Ticket subscriptions in-time using our RPA solution as managed services.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans in the cloud. Get in touch!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/private-cloud/open-source-private-cloud

The Open Telekom Cloud Hybrid combines the security of a private cloud with the flexibility of a public cloud

A flexible, scalable private cloud that can be expanded at any time: That is what the Open Telekom Cloud Hybrid based on OpenStack offers. It is delivered ready for use as a plug and play solution – power and network connections are all you need! OpenStack ensures a low vendor lock-in risk. The private cloud resources can be easily combined with Telekom's public cloud computing offer, because the software and hardware technologies are identical.

Interested in a ready-to-use, flexibly scalable private cloud based on OpenStack, which can be combined smoothly with the public cloud? Write and/or call us and find out about the Open Telekom Cloud Hybrid.

For latency-free data processing, edge computing and the hybrid cloud based on Open Telekom Cloud technology are ideal. The decentralized computing and storage capacities are located close to where the data originates, they provide real-time access to the processed data, and store the data in the Open Telekom Cloud at the same time.

With the Open Telekom Cloud Hybrid, companies can use IT resources as private cloud services even in remote locations - regardless of the network connection. The servers are implemented directly where they are needed. A connection to the Internet or to the public cloud is not absolutely necessary for operation.

When companies need high-performance computing capacity at short notice and for short periods, they can expand their private cloud with resources from the public cloud – anytime and spontaneously. Storage and computing capacities can be switched on and off as needed. This enables load peaks to be absorbed.

The public cloud offers affordable long-term storage. For maximum security, data can, for example, be stored in encrypted form in Object Based Storage. Those who do not want to store data in the public cloud, but still want to store it redundantly, can use two private, separated availability zones in which the systems are mirrored.

Agile application development dovetails the areas of development, testing and operation. With hybrid cloud platforms, companies can accelerate software development and shorten approval procedures. Applications can be ported as needed between teams and their respective private or public environments. To enable this, hardware and software should be set up uniformly in the public and private clouds – as is the case in the Open Telekom Cloud Hybrid.

Hybrid cloud computing solutions offer IT departments the opportunity to build a unified service catalog and establish themselves as cloud brokers in the enterprise. This in turn reduces the amount of shadow IT. Instead of obtaining applications from an unknown cloud, departments can select their services from private or public instances of the Open Telekom Cloud. This ensures compliance with requirements such as scalability, security and governance.

URL: https://www.t-systems.com/de/en/strategy-and-consulting/topics/business-model-transformation

Bring digitalization and innovation together profitably in your company and become a successful contender in the market

Whether it's adapting existing products and offering customers convenient, digital solutions, or increasingly transforming your own organization into a digital enterprise with efficient processes, the right transformation strategy is crucial for sustainable development. And this requires innovation – because only those who act in a forward-looking manner and actively shape change can still be successful tomorrow.

The digital transformation of your business model offers many opportunities, especially if it is implemented effectively and with the right partners. Building a digital ecosystem enables new revenue models with growth potential, without compromising core processes. Digital technologies automate repetitive tasks and free up employees to focus on developing innovative products. Thanks to transformation, even long-established companies act like start-ups: they develop new services, expand their offering, and secure their competitiveness.

Does your business model support the needs of your customers and stakeholders in the digital age? Read the white paper to find out what the successful business models of the future look like and why the shift to digital models is so important.

Would you like to learn about future trends? And find out how to stay ahead of the competition and make the most of your digital transformation? Our experts will be happy to advise and support you – get in touch!

How will your industry change? What products and services will customers be asking for in the future? With the right technologies, digital strategies, and effective innovation management, you not only recognize trends but can also act on them and fill them with content. Thanks to an agile business model that keeps you one step ahead of the change. You can offer products or services that meet customer needs. New touchpoints, payment models, or data-driven insights foster customer proximity and retain customers in the long term.

At T-Systems, we support you on your path to becoming an agile company and help you to transform your business model – regardless of industry, position, or company size. We work closely with partners to analyze your IT environment and create a structured, easy-to-understand transformation road map. From cloud migration to innovative digital solutions, such as those that rely on artificial intelligence, we support your transformation throughout, overcome challenges, and increase value creation.

URL: https://www.t-systems.com/de/en/sustainability/topics/sustainable-innovations

Rethink the system: Thinking and shaping innovations sustainably with customers and partners

T-Systems accompanies its customers on their digital and sustainable development journey – with innovative technologies and unique sector-specific expertise. We contribute towards

reducing CO2 emissions and taking the pressure off the environment together with our partners and customers. Our 360° approach and vendor independence allows business success and progress to be combined with sustainability – at each point of digitalization.

Our trendbook gives practical tips on how companies can save energy and costs in the short term. At the same time, it highlights how you can implement long-term sustainability strategies.

We work closely with partners to achieve the net-zero target faster. Together we identify digital, innovative and sustainable business models to reduce CO2 emissions and the consumption of resources. For example, we are promoting digital innovations with Shell to achieve important climate goals. T-Systems is installing more than 10,000 charging stations in Germany for a subsidiary of Shell that provides charging solutions for electric vehicles. This further expands the availability of e-mobility – and accelerates the transition to CO2 neutrality.

Beyond eMobility, we are working with more than a hundred partners in Catena-X to create a digital ecosystem that will ensure greater sustainability in the automotive industry. The focus is on standards for digital data exchange, for example, which enable manufacturers and suppliers to seamlessly track their value chain. Since all data and processes are transparent, from the supply of raw materials through development, production and sales to the use and recycling of the vehicle, its CO2 footprint can be fully mapped - and important adjustments can be made to achieve CO2 neutrality.

Better route planning, digital freight information: Read about how logistics firms can make their business more sustainable.

Whether it's about CO2 reduction, environmental protection, or the circular economy: We are working with the management consultants Detecon to implement digitalization projects to reinforce greater sustainability in companies. First of all, Detecon develops sustainability concepts and strategies in which digitalization plays a key role. T-Systems then puts end-to-end measures in place and analyzes the status quo to actively push ahead with changes in various sectors: automotive, logistics, industry, or public administration.

Rethink the system: Growing digitally and investing in sustainability at the same time.

Rethink the system: With climate-neutral cloud and data-based analyses.

How we become a climate neutral company, and how we support clients in their sustainable digital transformation.

Shell and Deutsche Telekom agree to advance digital innovation in pursuit of climate goals.

How does one measure sustainability? With a sustainability dashboard. Know more about how T-Systems makes this possible.

Cross-sector data ecosystems and data transparency support OEMs or suppliers to comply with complex requirements.

How processes, products, and services in the chemical, pharma, and energy sectors are becoming more sustainable thanks to digitalization.

T-Systems supported the city of Gijón in Spain to become a smart city.

Traditional craftsmanship and high-tech beehives provide active protection for these important insects and produce delicious honey.

Do you want to know more about ecological business models, digitalization or green technologies? Our experts answer all questions on the subject, solve the challenges and demonstrate how digital transformation and sustainability work together.

URL: https://www.t-systems.com/de/en/data-intelligence/solutions/motion-data

Gain insights into visitor and traffic flows and improve your services.

Be it a successful business strategy, future-proof urban development or efficient marketing activities, sound information is critical to your company's success. Motion Data by T-Systems is especially helpful when it comes to movement and traffic flows of potential target groups.

On the basis of anonymized signaling data from the mobile network of Deutsche Telekom, Motion Data analyzes movement and traffic flows in public spaces, e.g., in pedestrian zones, on the road or in local traffic. Combining Outdoor Analytics with sociodemographic data such as gender, age group and catchment area forms the basis for many different applications, from traffic planning to ticket sales. A web-based dashboard, direct data download or the automated data interface give you access to the information at any time. Gain entirely new insights and optimization potential for your business.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Data protection is of the highest priority. Motion Data works exclusively with previously anonymized signaling data. Personal data, such as customer name and mobile phone number, are strictly separated from the geodata and removed prior to analysis. Signaling data are regularly intersected and grouped.

It is therefore impossible to create a personal movement profile. The processes involved were developed by T-Systems in close collaboration with the German Federal Commissioner for Data Protection and Freedom of Information (BfDI) and have been examined and certified by external data protection inspection agencies.

Even though the basic data are anonymized, they can be allocated to particular target groups by adding socio-demographic parameters such as gender, age group and catchment area. In combination with the geodata, this allows us, for example, to contrast the behavior of men and women in different age groups, or to improve the identification of travel routes between inner cities and the surrounding areas.

Motion Data Outdoor Analytics offers valuable information to feed into day-to-day business, and shows optimization potential. The solution can be implemented quickly, is easy to use and brings users even closer to their customers. You can test Motion Data at any time.

The diversity inherent in the advertising industry continuously offers new opportunities for reaching new and existing customers. Untargeted advertising such as flyers or giveaways is still one of the most popular forms of marketing. And yet – where are the customers coming from and, in this particular case, which roads "lead to Rome"?Only companies who target their

advertising effectively will reap the expected benefits. Motion Data provides useful information for outdoor advertising, makes your marketing campaign more effective, and optimizes budget spending. Motion Data measures visitor numbers, identifies traffic volume, and analyses where your customers have come from. Did they come from an adjoining quarter, or did they travel in from further afield? Which route do they use most frequently, what is the flow of traffic, and are there any advertising displays en route?

Analyzing visitor flow and traffic – as well as direction and speed – can particularly optimize the performance of advertising displays and billboards along a particular route. Especially when it comes to digital displays, customers may be optimally reached by segmenting locations and time periods according to socio-demographics. The analysis of long-term data help to compare billboards in public spaces. Motion Data supports your entire advertising campaign and optimizes your marketing budget.

The use and capacity utilization of vending machines at train stations and in public spaces are not just subject to seasonal variation. Local changes such as new competition, large events, or changes in surroundings may affect customer traffic and visitor flows. All of these will have an impact on the sales achieved from the vending machine.

Where, for instance, particular products have been bought less frequently than usual for several weeks, Motion Data data can help to find the reason. The combination of mobile network data, geodata, and socio-demographics can tell us whether the target group for the offered products is spending any time at the POS and which target group you may have failed to consider so far.

Customize your product range to match the relevant target group. This increases your chances of gaining sales. The more recent your data, the more efficient customization will be. At the same time, the data allow you to optimize maintenance times, so any outages can take place during quiet periods. Regular analysis of visitor flows and traffic intensity provides you with important insights about your business. A reliable basis of data allows you to adapt flexibly to impending events and public holidays.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/cloud-services/topics/managing-the-cloud-environment

Integrate cloud services from the private and public cloud, and optimize and further develop business processes

The cloud has long been undisputed as the tool of choice for optimally supporting complex business processes and reducing infrastructure management costs. How then can the various public cloud solutions from hyperscalers such as Google Cloud, Amazon Web Services (AWS) or Microsoft Azure be used and managed together with a private cloud to create a homogeneous hybrid multi-cloud infrastructure? And how can optimal benefits be gained from an effective cloud management?

Large cloud computing service providers such as Azure, Google Cloud and AWS have differing strengths. In addition, sensitive data must not leave the EU and therefore cannot be processed in every public cloud. To benefit from the best cloud services for their own business processes,

companies must be able to manage a cloud infrastructure that combines public and private cloud services via a platform, to create a centrally managed, hybrid multi-cloud structure. This is the only way for companies to utilize cloud providers' respective strengths for their own IT infrastructures.

Depending on their needs, companies require different resources from the cloud. Our experts map your infrastructure requirements with various cloud platforms to achieve the greatest advantage for your business.

Multi-cloud environments use multiple cloud platforms from different providers to host and manage data and applications. This enables companies to make their IT more flexible and ensure reliability. You can use the strengths of different cloud providers to adapt services to specific requirements and switch to alternative providers in the event of failures. The result: optimized costs and more control over your own IT strategy.

Choosing the right cloud providers is vital as they form the basis of your multi-cloud strategy's success. Companies should carefully examine which providers best suit their individual requirements and objectives. T-Systems' team of experts support customers throughout the selection process and help them find the cloud infrastructure that best suits their business objectives.

URL: https://www.t-systems.com/de/en/application-services/solutions/servicenow-solutions

Transforming company processes digitally

Digital transformation in companies can only be made meaningful with the help of automation and the digitalization of company processes. Cloud solutions form the basis for standardizing IT processes, optimizing employee workflows, and improving customer service processes. However, this can only be achieved if automation is pursued throughout the company.

With enterprise service management (ESM) from the cloud, companies can digitalize their entire service processes and thus become a service-oriented enterprise. Automated IT and business processes improve efficiency, reduce costs and make information in companies transparent and without media discontinuity.

Do you want to make business processes faster and more efficient? Read in our trendbook how smart technologies for Service to Hyper Automation enable new business models and turn on the turbo in your company.

A technician sends a notification about a defect by email. An employee informs IT support of a software error using the chat function. A member of the HR department informs Procurement by telephone of new vacancies being filled. Processes are still managed manually in various company departments and inquiries are laboriously answered by phone or email. There is no documentation of the questions and answers, and thus the service process has to start all over again if the same question is asked again by another person. That costs unnecessary time and money. Manual work results in media discontinuity and errors in data from different sources such as notes, emails, phone calls or chats – and consistent information transparency is prevented.

With an ESM solution like ServiceNow you can organize all relevant business processes. ESM systems make workflows efficient and enable the digitalization of business processes for internal

IT, employees, and customers. The solution brings together company-wide processes in the enterprise cloud platform. One universal, service-focused platform for IT and business processes provides resilient and transparent information that can be accessed from any business area. This is how companies transform into service-oriented service providers – simply, efficiently, and with business value. T-Systems supports you end-to-end with best-practice approaches.

Deliver high quality impact of your IT landscape with ServiceNow value assessments. Choose from our quickstart packages.

We accompany you on the way to digital transformation and service automation. Wherever you are – our experts support you at every point while you concentrate on your core business. Faster, automated workflows in the areas of IT, employee, and customer service help to increase your productivity and employee satisfaction. We offer end-to-end support, from SaaS services, professional services, and application management to the integration of ServiceNow with other cloud solutions.

Our consultants listen to your requirements and handle the provision and support of your ServiceNow instance. T-Systems is the only German service provider that offers ServiceNow from several cloud models on the market. The choice is yours: private cloud (Germany), public cloud (EMEA / international) or the hybrid cloud approach. This way you can meet all your requirements in terms of innovation and functionality as well as security.

The ServiceNow platform acts as a control center for your internal and external service requests.

Then we are happy to support you with application and operations management – the competent support, maintenance, and further development of your ServiceNow environment. This allows you to react even more flexibly to the requirements of your stakeholders and implement process changes as well as increase efficiency without tying up too many resources. We have globally uniform process standards, proactive risk management, and ensure the highest quality through our many years of experience in enterprise service management. Everything is anchored in standardized service packages that you can put together and expand on individually.

Download to learn more about the challenges our customers face and how we can help you to get the most value out of your ServiceNow application.

T-Systems as Managed Service Provider is an elite partner of ServiceNow in the areas of sales, service, and technology, and is able to offer the solution with the newest features from the ServiceNow cloud. In addition, the specialized company, T-Systems operational services, also operates the SaaS solution from T-Systems' German data centers. This renders all data highly available and highly secure, and subject to German data protection laws. This is an important condition for companies being allowed to process sensitive data with ServiceNow from the cloud.

As part of their digital transformation, many companies are looking for ways to make their service management for IT and business processes clearer, more efficient, and more uniform. According to the study "Enterprise Service Management 2019" by the IDG publishing house, nine out of ten respondents believe that the principles of standardized and automated IT services transfer well to other business processes. They see enterprise service management as

a chance to bring order to administration, customer service, or technical services, and to push automation forward.

Nevertheless, according to the study, the term "enterprise service management" is still unknown to many companies. Only 18 percent of respondents were able to explain specifically what ESM means; 40 percent had heard of ESM but had no clear idea of what it is.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/digital

Solutions from T-Systems can help you prepare for the future

Here you will find references for digitalization. Read more about which solutions are used in the transport and logistics sector, for cosmetics manufacturers, or in the energy sector – to name but a few.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards.

Groundbreaking platform for managing electrical charging infrastructure.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go.

T-Systems/OS is ranked as a leader in 3 categories in ISG Provider Lens™ for ServiceNow Ecosystem Partners 2022, Germany.

World Health Organization selects T-Systems as industry partner.

T-Systems is developing the platform Adeje DTI Smart Tourist Destination and the Smart Adeje app.

T-Systems is charting a new path to digital transformation for Tarragona City Council (Spain).

Logistics company FIEGE counts on T-Systems for its SAP operations.

T-Systems supplies agile test environment for pioneering specialized procedure GeFa.

How IoT solution from T-Systems implemented sustainable water management.

Heinsberg Hospital introduces online appointment bookings.

TrialComplete supports the work of the DZHK.

Baosteel Tailored Blanks uses the Kofax Total Agility automated solution for invoices.

Deutsche Funkturm is automizing the collection of contract data through robotic process automation.

The Dürr Group now benefits from optimized manufacturing processes – Universal Data Converter makes it possible.

Revenue Assurance shines a light on invoicing related systems and processes, and delivers recommendations for optimization.

T-Systems has achieved these together with its customers within the shortest possible time.

Comfort Charge offers an all-inclusive solutions for the charging of electric vehicles.

Toll4Europe supports cross-border trips with just one on-board unit.

T-Systems and Stahl join forces to realize a successful SAP migration.

T-Systems is introducing temperature scanners for the buses of a public transport provider.

T-Systems builds a digital platform within 24 hours to support the Mercabarna wholesale market in distributing food.

T-Systems analyzes anonymized driving data for automotive OEM in China.

Barmenia is exploring new approaches in the insurance industry, resulting in clear advantages for its customers.

Logistics company modernizes its branch POS system and makes it more flexible with software-as-a-service from the cloud.

The modular toll platform collects road tolls without the need for an additional infrastructure.

With the FashionTAG as an electronic price tag for clothing, a department store chain has made a successful start with digital commerce.

Fully-integrated complete solution provides digital traffic management and smooth processes.

All business-critical SAP core applications from Clariant run on infrastructures operated by T-Systems.

How the Federal Office for Migration and Refugees uses Blockchain to optimize the asylum procedure and increase data security.

RUD is using the Industrial Internet of Things to enhance transparency in conveyor systems.

The challenge in the KAGes system conversion? To keep the downtime as low as possible; a hospital lacking access to patient information, plans, and management over an extended period of time would have dramatic consequences.

Together with T-Systems Multimedia Solutions, LBBW has developed a platform for digitalized communication with customers.

The family business has developed a modern e-business platform as part of its holistic digital strategy.

The glasses from Rastal printed with NFC chips allow direct communication with the end customer.

To improve its competitiveness, Collonil receives daily updated and customer-specific sales analyses via App by SAP.

Microsoft Teams improves and simplifies cross-location collaboration and knowledge sharing.

The Bavarian Centre for Family and Welfare offers citizens with disabilities access to information and applications.

With its quality management system, supplier Küfner relies on efficient processes for improved competitiveness.

How the machine manufacturer is achieving efficiency gains through automation.

T-Systems supported the city of Gijón in Spain to become a smart city.

The 5G campus network enables the use of automated guided vehicles.

Once Celulose Irani S.A. took the decision to tackle the digital transformation, it quickly became clear that the ideal basis for this was offered by SAP® S/4HANA.

How modern network infrastructure promotes digital education in schools.

Schwan Cosmetics works with virtual reality glasses.

The end of the waiting loop: At BARMER, a digital assistant acts as a concierge for the telephone hotline.

Siemens relies on T-Systems for its digital transformation: A modern SD-WAN increases the available bandwidth, and expands and simplifies the management options of the network – while decreasing costs.

The Japanese company Olympus, together with T-Systems Multimedia Solutions, is currently testing how medical technology can be experienced virtually in operating theaters.

How SAP S/4HANA at Grupo Schettino ensures greater efficiency and transparency in business processes.

How T-Systems supports the Federal Office for Civil Protection and Disaster Relief.

How a company built an ERP platform for the future.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/partners/ericsson

5G campus networks combine the advantages of public and private mobile networks

T-Systems and Ericsson have a long-standing partnership in the fields of innovation, technology, and services. This unique partnership takes advantage of the best of both companies. This benefits the industry by enabling it to accelerate automation and respond more quickly to customer needs.

Ericsson offers high-quality LTE and 5G technologies for the provision of dedicated (private) network solutions. The solution portfolio includes a local core network (server component for the data management of the network) and the access network (mobile radio antennas to connect end devices and industrial machines into the private network). In combination with the public mobile radio network, "campus networks" are created, which combine the advantages of public and private networks for industrial value creation. T-Systems and Ericsson set up campus networks specifically for individual companies. The networks are therefore exclusively available to a single customer. This way, a campus network offers a particularly high level of coverage, capacity, and availability on a given premises. Industrial companies thereby have more secure and efficient infrastructure. In the future, completely new business models will also be possible with this new technology.

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Adel Al-Saleh, CEO T-Systems, and Arun Bansal, SVP Market Area Europe & Latin America Ericsson, talk to each other about the strategic partnership between T-Systems and Ericsson.

Experience new edge digitalization of intralogistics with T-Systems' 5G autonomous logistics solution.

In the partnership, the campus networks are supplemented by solutions from the T-Systems and Deutsche Telekom portfolio. In addition to mobile communications, Wi-Fi can also be used. Existing customer networks are integrated into the overall infrastructure. And the customer has the option to include IoT products in their work processes. The offer covers the entire value chain: from campus network consulting (LTE or 5G), to the definition of various applications and their technical requirements, to implementation and secure operation. There are already many applications for a campus network in industry. These include driverless transport systems (AGVs), the predictive maintenance of machines, and virtual training for complex production processes.

Technology partner Ericsson is on board as the network supplier.

Industrial companies benefit from Ericsson's industry-leading LTE and 5G technologies combined with T-Systems' connectivity expertise.

From campus network consulting (LTE or 5G), to the definition of various applications and their technical requirements, to implementation and secure operation.

More information

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Push automation and reactivity with modern 5G industrial networks with Antje Williams, Senior Vice President 5G Campus Networks and Joe Wilke, Head of "Center of Excellence Industry 4.0" at Ericsson.

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Together with Ericsson, Telekom offers solutions for industrial data traffic. Data intended for the operational processes remains on the factory premises. Data directed to the customer goes where it is needed.

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Find out, how the technology of network slicing can run for example a private slice of a 5G network and the public 5G network in addition to that.

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In this video you can see how a 5G stand-alone network works, live from the Center Connected Industry (CCI) in Aachen.

See how a campus network supports the BMW factory in Leipzig regarding flexibility and automation.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/public-sector/topics/public-sector-sustainability

The implementation of the Sustainable Development Goals (SDGs) for climate protection and social aspects of public administration

With the 2030 Agenda and the Sustainable Development Goals (SDGs), the United Nations has launched a comprehensive programme for sustainability. These global sustainable development goals include social aspects and the reduction of CO_2 emissions. The UN member states reflect this UN membership strategy in various initiatives. Independently, the European Union has also formulated sustainability goals.

Public administration in Germany has a central role to play in the implementation of the SDGs for transformation. Units of the federal administration, the federal states and municipalities have the responsibility to establish and steer programmes of measures for sustainability. This also includes involving various social groups within the framework of the German sustainability strategy and promoting their sustainable actions. This is a challenging task that also requires the administration to have expertise in the SDG goals and their public, social and economic dimensions.

How can sustainability initiatives succeed? We can support you in various aspects.

Every unit in the administration has a different starting point when it comes to sustainability. Some are just beginning to understand the SDG targets and are looking for the right sustainability strategy. Others have defined strategies and now want to identify the appropriate data with which to measure their sustainability goals. Other public entities want to implement solutions – involving citizens, businesses, and NGOs. These solutions need to balance environmental, social, and economic aspects. Finally, a strong sustainability management is needed that is anchored in the organisation and processes.

T-Systems and Deutsche Telekom have already been pursuing a strong sustainability agenda for years. We have extensive experience from all areas of sustainability and can accompany you

along the way wherever you need us. Digitalization is a core competence in realising sustainable development. We have implemented many projects and digital solutions for sustainability issues - as well as a partner of public administration.

There is more to a good life than your career

It's not always easy to balance your professional and private life. This is why we support you with modern work models that give you the freedom to plan your life and ensure you can concentrate on your work with a clear conscience.

Our health figures are at a stable level.*

Saving with employees*:

The inventiveness of our employees has increased again through forms of work and a good work-life balance.

recruitments*:

People who have been convinced by our excellent employer arguments and want to shape the digital transformation together with us.

is the average number of training days our employees have per year.*

Work at home or on the move. With this option, you have the freedom and flexibility to be reachable from anywhere and work efficiently, even outside the office.

You can only concentrate fully on your work if you know your children are in good hands. Alongside daycare places and parent-and-child offices at many of our locations, we also offer holiday and emergency childcare services.

Your health is important to us. This is why, with our company health scheme, we focus on identifying health risks early to avoid or reduce the risk of illness.

At some times in your life, you need more time for your family. We support this. As long as there are no operational reasons to oppose it, we are always willing to accommodate a reduction or increase in your working hours.

Sharing and networking is in our DNA. This is why we support colleagues exchanging ideas with one another. Establish valuable contacts, share your knowledge and experience, and develop new ideas that extend beyond your realm of expertise.

Most of the Group's employees have the option to pay part of their salary into their working lifetime account. Pay-scale employees can also contribute the value of up to 80 work hours from their short-term account. This allows them to finance a future break, such as before retirement or a sabbatical. Alternatively, it could provide additional financial support while working part-time.

Would you like to learn more about our options for achieving a good work-life balance? Read all

about the benefits we offer at work, for your health and family, and around social welfare here.

We offer attractive jobs for every career level – in a global network, with innovative technologies and a new-work environment.

URL: https://www.t-systems.com/de/en/intelligent-automation/topics/digital-workplace

Elevate productivity and efficiency with digital workplaces

Satisfied employees are more productive. Studies have found a positive link between happiness and productivity, proving that happiness can increase productivity by an average of 12 to 13 percent. By adopting intelligent automation tools, employers can relieve their teams of repetitive tasks so they can focus on more rewarding activities. Moreover, automation tools help counteract the skills shortage.

Intelligent automation is a combination of robotic process automation (RPA), intelligent robotic process automation (iRPA), artificial intelligence (AI), and machine learning (ML) that can automate and optimize various tasks. Such tools deliver many benefits, including speed and cost savings, enhancing visibility and transparency, identifying trends, and suggesting improvements. They also eliminate human errors in several ways. Automation handles repetitive tasks precisely, and building validation into workflow processes ensures consistent outputs.

Whether you are just starting your intelligent automation journey or have hit a roadblock and need help with the next steps, we have the solutions and capabilities to support you. Read our white paper to know how we can support you here!

We can advise you on intelligent automation use cases, equip you with the latest software, and share best practices so you can enjoy a fully digital workplace. Our specialists are ready to take your call.

Are your services future-proof? At T-Systems, we explore the concept of automation, bridging the gap between understanding and implementation. We delve into service automation, which automates traditionally manual client-facing functions, from providing information and quotes to invoicing and processing customer feedback. Our guide addresses the key steps, the top five automation action areas, tangible benefits, and how it enhances both employee and customer experiences.

How can organizations embrace new working models in response to modern demands? Do leaders need to think differently? At T-Systems, we help you navigate the evolving workplace journey, from the pandemic's impact to the present and future. We guide you in establishing the best human and digital foundations, addressing challenges like information management, innovations in training and learning, and cybersecurity. Reach out to us to discover how you can create a human-centric workplace that thrives in the modern world.

URL: https://www.t-systems.com/de/en/success-stories/security/vzo-ag-factor-human-as-safety-asset

Security training for Verkehrsbetriebe Zürichsee und Oberland AG

The Covid-19 pandemic also saw a shift in work environments within VZO – there was a significant reduction in passenger numbers, and those employees with office workstations increasingly were working from home. It is also important for employees to have a forward-thinking attitude toward cyber security, as the new situation poses new risks to the

business. A successful cyber attack could have a detrimental impact on the company's entire operations.

The global Covid-19 pandemic caused a dramatic upheaval in regional public transport in particular. First, passenger numbers sank dramatically, second, many office workers retreated to the home office and had to access services from there. However, as a rule, access to the internal network from private locations is not as well secured as access from official workstations inside a company's offices. Cyber criminals sought to take advantage of this situation, which was new for many employees, and launched numerous new attacks against companies – something which has also been proven by studies. There is no single technological solution that remedies all security risks. Verkehrsbetriebe Zürichsee und Oberland AG wanted to ensure that they were not only investing in technology but also creating a security-conscious workplace culture. They reacted to the new situation with a campaign for greater IT security. Employees needed to be made aware of security issues in order to play their part in company security.

In T-Systems, we have found a partner who was able to raise our employees' awareness of security issues in the new world of work.

Dominik Trachsel, Head of ICT, Verkehrsbetriebe Zürichsee und Oberland AG

The Lucy Security Awareness Training from Deutsche Telekom Security offers a suitable, standardized solution which could be quickly rolled out to all employees. The Security Awareness Platform enables companies to slip into the role of an attacker in order to identify and redress existing vulnerabilities in the technical infrastructure and among employees.

In the first step, employees undergo the online training. The training was based on a secure learning environment. This created the maximum level of realism – among other things, this included setting up a fake e-mail and evaluating the behavior of the employees when dealing with the phishing attempt. These kinds of "realistic" experiences give employees a sense of what a real attack "feels" like.

The package designed by Telekom Security comprises a full bundle of various training measures such as online surveys and exercises. This employee training aims to minimize human error and identify potential threats. The training concept allows the results to be evaluated afterward and gives those responsible an insight into the level of awareness among employees – as well as indications of which security skills require further development. Using an integrated learning management system, the employees could manage the learning content and track their progress in real-time.

The training has helped employees to appreciate the dangers of the internet. The level of security within the company has significantly improved. The key to increasing awareness lay in giving employees the necessary skills and helping them to realize that they are an important part of the cyber security plan of Verkehrsbetriebe Zürichsee und Oberland AG. The approach of Telekom Security aims to ensure that employees are no longer a vulnerability within organizational security, but rather use what they have learned to identify incidents, inform the right people at an early stage, and so become a part of the company's cyber defense. Gamification elements ensured that the training was more widely accepted and appealing to employees.

Security training for Verkehrsbetriebe Zürichsee und Oberland AG

Over 60,000 passengers trust the transportation services of Verkehrsbetriebe Zürichsee und Oberland AG each day. With over 300 employees, the company ensures that commuters, school children, and occasional passengers within 250 km2 of the Zürcher Oberland and the right bank of Lake Zurich reach their destinations reliably and on time. VZO offers the population an optimal range of transportation services for the Zurich economic region while making a contribution to environmental protection. The quality of the services is also verified by the measurements of Zurich's public transportation network (ZVV), which acts as a client of VZO. The transportation company maintains a state-of-the-art fleet with over 100 buses. However, it is also making significant investments in its workforce. That's why in 2021 the company was presented with the Swiss Arbeitgeber Award (Swiss Employer Award), the most important award for demonstrating the attractiveness of employers in Switzerland. Regular further training for employees and the promotion of good health at the workplace are among the benefits offered by VZO to its workforce.

We will be happy to provide you with the right security experts and answer your questions on planning, implementation, and maintenance of your security concept.

URL: https://www.t-systems.com/de/en/events/webinar-intelligent-automation-pegasystems-591102

A key to putting your business into digital fast-track with experts from Pegasystems and us. #Fastlane2Digital

Intelligent automation is the key to unlocking the door to increased productivity, reduced costs, and an optimal customer experience. But recent studies show that almost half of all companies still need to find the right implementation strategy. Consequently, they cannot exploit the potential of technology today and are not equipped for the new business models of tomorrow.

Intelligent automation helps companies overcome talent shortages, stretched resources, operational inefficiencies, and more. But many implementations fall short of their goals. Fear of escalating costs, business disruption, and the required effort is great. And although many companies have their successes, they are generally in isolated pockets of the business. The bigger picture is often missing, and scalability is difficult.

As part of our Fastlane webinar series, Pegasystems' Director of AI Lab, Peter van der Putten along with T-Systems experts explains how to find and implement the easiest and fastest way to automate processes intelligently.

* Field required

URL: https://www.t-systems.com/de/en/security/insights

Discover valuable expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

Discover common pitfalls to avoid when implementing a Zero Trust security strategy and ten essential steps.

Find out why the Zero Trust approach is more relevant in today's world of digital transformation and hybrid work.

What is microsegmentation, and how does it protect your enterprise from malicious activity and cyber threats?

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/industries

See what is next in your industry and how we are shaping the digital transformation for you. #FutureOfIndustries

The European Commission has called to make the next years Europe's Digital Decade and defined the goals for digital transformation in Europe by 2030. However, most countries are still lagging behind in digital transformation. According to a survey conducted by the Allensbach Institute for Demoscopy, nine out of ten business and political executives say that Germany is lagging behind when it comes to digitalization. We believe that it is not at all too late, and offer well thought-out and proven digitalization solutions for every industry.

Whether it is the cloud, big data, artificial intelligence, the Internet of Things or 5G: State-of-the-art digital technology can only realize its full potential when it is tailored to the individual processes, strategies and business models of an industry. T-Systems combines technology expertise with industry know-how and turns bits and bytes into useful, individually adapted, digital solution packages – for more efficient processes, more sales, a better customer experience and a successful digital transformation.

Shaping automotive with future ready modern solutions in customer experience, Industry-X, SDV and modernization with cloud.

Both patients and physicians benefit from digital solutions. However, this requires effective data protection and data security policies.

Take advantage of the digitalization drive in the public sector: with Smart City, digital citizen services and secure cloud solutions.

Improve customer experience, operational efficiency, and security with end-to-end digital control systems.

Meeting the new demands of private and business clients with cloud computing, blockchain, AI or robotic process automation.

Industry 4.0 and smart factories enable more flexible processes in production, logistics and sales & after-sales.

Combine customer experience with operational excellence to create a smart omnichannel presence. This is how to turn shopping into an experience: online and in-store.

We bring together digitalization expertise and industry know-how. We would be happy to show

you which solutions are driving digital transformation and how we can assist you with our services.

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/intermodal-transport-control-sy

Streamlined urban transport solutions for great efficiency, quality, and flexibility

T-Systems leads urban mobility transformation with innovative Intermodal Transport Control System (ITCS) solutions. We integrate TETRA (Terrestrial Trunked Radio) infrastructure, passenger information displays, and onboard computing for efficient, passenger-centric city transportation. Join us to revolutionize urban mobility with connectivity and real-time experiences.

ITCS has been in use for several decades, evolving with increased functionality and widespread implementation. However, the extent and maturity of technology deployment vary significantly across countries, metropolitan areas, rural regions, and individual transport companies. Smaller operators often rely on manual coordination, while larger transport companies build systems featuring comprehensive real-time transport tracking, continuous target-versus-actual analysis, and automated connection coordination. Automation and digitalization are revolutionizing transport control systems by harnessing real-time data analytics, predictive maintenance, and enhanced passenger services. These advancements are driving efficiency, safety, and sustainability in transportation, offering passengers seamless experiences and promoting eco-friendly solutions. From optimizing routes to ensuring the safety of autonomous vehicles, automation, and digitalization are reshaping the future of transportation.

The Intermodal Transport Control System (ITCS) functions as a connected, central intelligence in the cloud. Several public transport companies can use this system at once. First of all, the connected solution records all movements of buses and trains in real-time. Then the alignment takes place: timetable information, current traffic conditions, and status notifications of modes of transport. Based on this alignment, a forecast calculation is made for when the vehicles will depart. Passengers receive this and all other important information dynamically via an app or on display boards along the route. Next step? Combining with e-ticketing which makes journeys even easier and more convenient for passengers.

Learn how to enhance public transport systems' operational efficiency for successful transport turnaround.

The demands of public transport rail traffic scenarios are undeniably challenging, requiring quick and predictive decision-making. Automatic operational management by T-Systems, steps in to complexity, automate routine tasks, alleviate dispatcher workloads, and ensure the smooth operation of rail networks. In the face of complex rail traffic scenarios, dynamic train sequences, and deviations in timetables that increase complexity, automatic operational management rises to the challenge. It achieves this through complete real-time recording of the traffic situation using track sensors and interlocking data, automatically determining routes based on timetable data, and sending necessary route commands to the signal box. Automatic operational management also offers manual intervention capabilities via its interface, enabling the management of resulting changes and sending positioning commands automatically. The benefits for customers are evident: fast and efficient control, reduced dispatcher workloads through automation, resilience against deviations from the plan and extraordinary operating situations, and the provision of real-time data to other systems through standard interfaces.

To meet the evolving needs of municipal enterprises of effectively managing electric buses, specifically in tracking their charging status and gaining real-time insights into the condition and availability of charging stations, T-Systems developed a comprehensive solution that encompassed various project components. These included requirement analysis, integration of external interfaces, data persistence, ITCS integration, and diligent project management. A well-defined procedure model was followed, involving the establishment of essential KPIs, the connection of data sources, ensuring data persistence, ITCS integration, and rigorous testing and acceptance procedures. Consequently, the control center dispatcher now experiences an uninterrupted overview of electric bus charging statuses and the occupancy rates of charging stations thus empowering efficient and informed decision-making in electric public transport.

Enquire about our Transportation Management software, carrier selection, cross-docking, integration, last-mile delivery, order management, real-time tracking, and transportation operations.

In 2009, T-Systems embarked on a transformative journey establishing a cutting-edge computer-controlled operations control system. This comprehensive solution featured a TETRA digital radio system and seamlessly integrated the vehicle fleet, laying the foundation for continuous expansion and digitization. Notably, passenger communication was elevated with dynamic stop displays, monitors, and real-time information accessible via web and mobile apps. T-Systems meticulously selected hardware and software components equipped stops with dynamic passenger information and ensured real-time data availability. The project also encompassed the setup, optimization, and integration of a digital TETRA trunked radio system, ensuring operational reliability and connection protection. The result is a stable, modern, and scalable solution, offered comprehensively by T-Systems, simplifying transfers, and bolstering transport control for public transport companies.

T-Systems offers a comprehensive solution to address the complex challenges of modernizing and optimizing urban transportation networks. Leveraging our expertise in digital technologies and IT infrastructure, we provide integrated Intermodal Transport Control Systems (ITCS) that encompass every aspect of public transport management. T-Systems' ITCS solutions are designed to centralize operations, improve efficiency, and deliver real-time passenger information through web and mobile applications. We optimize internal processes, enabling better planning, monitoring, and coordination of bus and train services. Our system ensures swift responses to disruptions, ultimately leading to a more responsive and adaptable urban transportation network. With T-Systems as your partner, you can transform your public transport system into a modern, efficient, and passenger-friendly service that meets the demands of today's metropolitan areas.

URL: https://www.t-systems.com/de/en/immersive-technology/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform.

A recent PAC study highlights the drivers of digital transformation and the most important core technologies.

T-Systems and GFT offer data analysis in the smart factory.

Explore less mature, newly emerging technologies that are considered important milestones of digital innovation.

Machine learning (ML) and artificial intelligence (AI) technologies can be used to address many of the identified targets of digital innovation.

What makes a superb customer experience (CX), what turns customers off, and how can you create a winning CX strategy?

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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At T-Systems' virtual innovation center in Munich, participants work as 3D avatars on innovative technology trends.

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Innovation CenterOur Innovation Center gives you the opportunity to get to know innovative digital technologies up close and try out exciting use cases – including blockchain, IoT, and smart farming. We combine the best of all worlds for real solutions: technological expertise, practical know-how, methodological skills, a hands-on mentality and access to the entire innovation ecosystem from Deutsche Telekom.

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New WorkMastering challenges in the new world of work | Webinar(Video with english subtitles)

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/security/topics/zero-trust

Implement a Zero Trust Security model to continuously protect your infrastructure from attacks and threats

The traditional security approach relies on perimeter defense, assuming devices once verified will always be safe. But this is not true. Today's security landscape is complex. Devices that

access sensitive data, applications, and IT assets need to be verified continuously, regardless of the location. Zero Trust Model goes beyond network security boundaries to verify devices. It protects from internal and external threats like data breaches, ransomware, etc.

Zero Trust architecture employs dynamic and context-aware access controls and policies, continuously verifying user identity and device health. It enhances security even further by enforcing multi-factor authentication, preventing lateral movement of attackers, and applying granular controls with microsegmentation. Users, devices, and applications are distributed across various networks in today's dynamic business environment. Therefore, Zero Trust is a much-needed shift for businesses operating in such a modern threat landscape.

In this report, you will learn why zero trust has long moved from hype to reality, how to create a strategic roadmap, and ultimately how to start your implementation.

Zero Trust reduces risks and vulnerabilities by continuously verifying the devices seeking access to applications. Any suspicious device will be denied access. Zero Trust Security also increases the visibility of devices that are connected to the network. Furthermore, security is delivered also at the application level and not just the network level. To sum up, your business will be able to reduce its attack surface with Zero Trust Security without compromising user experience.

Zero Trust should be treated in a holistic way. To ensure that businesses find a Zero Trust approach or a Zero Trust mindset that best fits their needs, they must define a long-term outlook. Therefore, businesses need to assess their current security architecture and vulnerabilities. We help our customers understand the current security gaps, what solutions they need, and how to implement Zero Trust Security in a phased manner. With our long experience in security topics, implementation, and managing cyber security for businesses of different sizes, we guide you towards a stronger security level.

We can help you understand how Zero Trust will strengthen the security posture of your business and get an overview of how to start its implementation in a phased manner with a comprehensive roadmap.

URL: https://www.t-systems.com/de/en/success-stories

We provide winning solutions in the areas of digital, cloud services, as well as security

Powerful connection technologies, successful digitalization models, customized and secure cloud solutions, and a leading position in many areas are our defining features. T-Systems can look back on a multitude of exciting projects and clients. Find out more about the success stories of our collaborations.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/sap-s-4hana-for-the-state

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape

The Ministry and its subordinate agencies have to ensure that political decisions are mapped in the fiscal authority systems in near time. Examples include changes to tax rates, support for

state subsidies for private individuals and industry, and new laws such as tax relief legislation. Powerful IT systems play a decisive role in all of this. The Ministry has been running an SAP landscape for the federal state that supports the budget, the treasury offices, and the accounting systems since 2006. The reliable operation of these systems is essential for the persons responsible and for the federal state's employees. T-Systems support the Ministry with extensive, professional SAP project services – including services facilitating the switch to the world of SAP HANA and SAP S/4HANA.

At a glance

In addition to platform operation and application management, SAP systems also require significant, fundamental changes from time to time. Faced with these changes, the Brandenburg Ministry of Finance and Europe (MdFE) sought a service provider that could also advise, design, and implement large SAP projects outside of regular operation. They required access to advice and support for the development of their SAP systems – currently for the pending changeover to SAP S/4HANA. Another important requirement: The consulting and project services had to be delivered from Germany, from nearby if possible, securely, and with absolute compliance, by German staff.

"With its project services, T-Systems has repeatedly proven its expertise in SAP consulting in recent years."

Timo Czajka, Service Delivery Manager, T-Systems

Together with the consulting firm BearingPoint, T-Systems won the federal state's tender and has since confirmed its status as a reliable partner in multiple follow-on tenders – the Ministry reviews the rendered project services and issues a new call for tenders every four years.

"In recent years, we have handled a variety of larger and smaller SAP projects for the State of Brandenburg in this role," explains Timo Czajka, Service Delivery Manager at T-Systems. They included the production of specifications, services for project implementation, the go-live, and the replacement of functional and upstream procedures with interfaces to SAP and system modifications. A deletion and archiving concept was also introduced this year as part of the project services.

One of the larger projects in recent years was the migration of the SAP system landscapes to a private cloud. Because it had become clear in the interim that dedicated infrastructures would not be viable for the future – especially since the changeover to SAP S/4HANA was already in the cards.

The federal state decided to carry out a two-step migration: in 2019, T-Systems migrated the extensive SAP landscape to a private cloud – smoothly and without interrupting operations. In this process, the database was transformed directly to SAP HANA. This met all the prerequisites for the extensive use of SAP S/4HANA.

But SAP S/4HANA doesn't only involve a change of database structures, but also – and above all – standardization, and thus the process-based renewal of the SAP application layer. As part of the project order, BearingPoint and T-Systems have developed a migration strategy for the MdFE. The first step involves an analysis, to list the active functional procedures and explore

their mapping in SAP S/4HANA. This will also entail changes to processes. In this context, the MdFE's handling of custom code, i.e., special modifications to the workflows in the SAP systems, will also be discussed.

"With its move to the private cloud, the MdFE has already set its course in the right direction. Since we've already migrated the database and the hardware in this move, we've already mastered the most complicated steps in the SAP transformation," says René Albert, sales manager at T-Systems. The MdFE will complete its transformation to SAP S/4HANA with project support from T-Systems. This step is planned by 2026 – which means it can be implemented without any time pressure before the discontinuation of SAP support for ECC 6.0 (in 2027).

In T-Systems, the Ministry has found a partner at eye level – including proximity to the customer, regular interchange, and local support by German staff. "With its project services, T-Systems has repeatedly proven its expertise in SAP consulting in recent years," sums up Timo Czajka.

The State of Brandenburg is following a two-step concept for a modern SAP landscape.

14.7 billion euros: that's the amount of the budget available to the State of Brandenburg in 2022. This money goes toward the federal state's many different activities – and it needs to be funded, too. The body primarily responsible for all financial flows of the federal state's public administration, including the income and expenditures, is the Ministry of Finance and Europe (MdFE). This Ministry must ensure that political decision-makers have transparency over the funds, their distribution, and their utilization at all times to coordinate the federal state's development.

The Ministry also encompasses subordinate agencies, such as the state central treasury (Landeshauptkasse) with its sites in Potsdam, Frankfurt (Oder), and Brandenburg (Havel), the federal state's 13 tax offices, the technical tax office, the University of Applied Sciences for Finance, the state school of finance (Landesfinanzschule), the state training center (Fortbildungszentrum), the central salary office (Zentrale Bezügestelle), and the state company for property and construction (Landesbetrieb für Liegenschaften und Bauen).

The Ministry is based in Potsdam and has around 4,800 employees: just under 390 in the Ministry itself, about 3,500 in the tax offices, and around 530 in the Brandenburg state company for property and construction.

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/data-intelligence/solutions/data-intelligence-hub

Share, process, and analyze data on your own terms with data sovereignty protection

Today's sustainability, legal and business challenges fuel the need for a secure data-sharing ecosystem. Data Intelligence Hub (DIH) pioneers in developing sovereign, trustful, and user-friendly end-to-end data sharing and data economy services. Empowering organizations to be prepared for trustful and sovereign data exchange and get connected within standardized data-driven ecosystems to create business value, and foster business innovation.

There are various factors that advocate the need to have data protection, what adds on top is making it sovereign. DIH offers unique benefits to each of the key factors as below:

Fixing broken data: Companies have gone from databases to data warehouses and now to data lakes, and they seem to be drowning in it. Most of the time of any data analytics project is spent cleaning up the data and turning the 80/20 rule, a cornerstone of business efficiency upside down. With Data intelligence Hub, get access to more standardized data with higher quality by data sharing from trusted partners to save time and costs.

Competitiveness: Increase efficiency and join a shift from expensive one-to-one integration to one-to-many interaction.

Resiliency: Use data to see farther and deeper into your processes to better foresee turbulence ahead and become more resilient against market volatility.

Data as a product (DaaP): Treat data as a product and industrialize this process through automation with tools and exchange data using Telekom Data Intelligence Hub.

Business innovation: Enable new revolutionary business models with new insights from partners and competitors – and create new value from data chains across organizations for new businesses, such as intermodal travel and material traceability, without losing control of your data.

Data Intelligence Hub's cross-industry sovereign approach makes it possible to build digital infrastructure garnered towards various stakeholders such as citizens, app providers, organizations, data experts, etc. while still allowing the data provider to retain the security and sovereignty of their data.

Want to know how to successfully share, analyze and use data to gain business insights while retaining full sovereignty over your data?

Our Telekom Data Intelligence Hub provides managed state-of-the-art services to enable secure data connections and eliminate the need for organizations to provide their own data infrastructures. The cloud agnostic approach further enables organizations to get onboarded on their preferred cloud to get connected to their desired data ecosystems and save valuable time and costs. Our solutions are:

Sovereign: End-to-end sovereign solution stack to ensure that your data an equal right based non-hierarchical approach to our services within data-driven ecosystems for all participants through transparent data usage control powered by Gaia-X and IDSA compliant federated services

Secure: Implementation of Secure peer-to-peer communication with end-to-end semantics (with Eclipse Data Connector) standardizations, identification and authentication services and policies for intra and inter-company collaboration

Managed and certified: Telekom managed and certified services and applications for your ever-growing business challenges

Interoperable: Orchestrate solutions and components to customize and build your own

data-driven ecosystems like data spaces and data meshStandardized: Easy to use, managed services compliant to leading industry standards such as Gaia-X and IDSA

A municipal administration combines numerous sources of information. To enable citizens to use them, various kinds of data must be collected, prepared, and published. For example, current building site overviews or traffic jams, taxi, and bike-sharing locations, cadastral surveys, or park area information as well as information on public spaces and event locations. This data must be collected, stored, and structured before any meaningful insights can be generated thereby, loss of time, money, and resources. Trustful data sharing ecosystem for cross-industry applications.

Similarly, in the health industry, hundreds of data points are generated and collected at different places from laboratories to doctors to therapists to insurers to wearables. Strict legal regulations, patient information confidentiality, and complex data collection and storage processes impact the value of healthcare data. Utilize the shared data to generate meaningful customer insights, increased visibility across stakeholders, and more importantly data control at an individual level.

Take a deep dive into data spaces and learn how to create manageable success with AI in automotive consistently by fixing the data challenges.

We enable solutions and services to help organizations save on their CO_2 footprint. Connect with your suppliers to trace emissions throughout the manufacturing and supply chain and take data-driven actions to minimize your environmental impact for a greener future.

We empower manufacturers and suppliers to implement traceability throughout their value chain. To support manufacturers become compliant with legal regulations, our solutions provide from production through to recycling.

Reuse, recycle and remanufacture – Be the circular economy leader in your industry. Utilize Telekom's strong partnerships across all levels of your value chains to create insightful data chains for responsible industrialization.

Enable trust between mobility providers to share data to unlock higher efficiency and utilization of mobility resources, to gain a triple win outcome – "everyone's a winner": consumers (better travel), providers (more business), and cities (cleaner, safer, less noise). Tap into new data sources and create new business opportunities by offering your data-as-a-product.

Leading the data and ecosystem delivery driven by research and development to explore the future of mobility.

Pioneering automotive dataspace development driven by industry with new dataspace technologies, such as Eclipse Data Connector.

Developing national access data space for mobility providers and transport authorities based on IDSA standards.

Enabling manufacturers to connect their machine tools and equipment into customer and user specific IT- ecosystems through a universal interface.

Empowering cities in their digital transformation journey by creating smart and sustainable value chains with open data portal to provide information on energy consumption, intermodal mobility,

predictive maintenance, places of interest, locations of WLAN hotspots, cab ranks and much more.

Anonymized signalling data from mobile phone networks that bring in-depth knowledge for smart decisions like visitor demographics, statistics and even for Corona-app traceability.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/enterprise-content-managemer

For efficient use of standards and technical documents

With NormMaster, you can say goodbye to error-prone and time-consuming processes and significantly simplify your workflow. NormMaster manages all required standards and documents for you, takes changes into account, and ensures complete, timely, and targeted distribution of the relevant information. Thanks to our many years of experience, we know exactly where and how best to help you.

Whether public standards such as DIN, ISO, VDE or company documents: With the help of our document management system NormMaster, you can manage and publish your extensive collection of standards and technical documents. In doing so, administrators, end users as well as authors benefit from NormMaster's wide range of functions:

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Manage standards efficiently and reliably | NormMaster - Part 1 | T-SystemsKeep an eye on all of your relevant standards with NormMaster. This is how standardization and document management works with T-Systems.

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Be efficient with just one click ■ NormMaster – Part 2 ■ T-SystemsWith the document management system NormMaster you have direct access to the standards you need and all additional information.

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Workflow | NormMaster - Part 3 | T-SystemsWith NormMaster's workflow module, authors can easily publish documents themselves via self-definable workflows and also benefit from many other advantages such as automatic information about changed citations.

"NormMaster is our global document management system for external standards and all internal default documents. With the check-in/check-out module in NormMaster's workflow, we have a power package that optimally supports us in joint document creation and approval."

Yvonne Wöhrl, Seniormanager Corporate Management Systems, Wacker Chemie AG

"With NormMaster, we comprehensively manage our standards efficiently. We are completely satisfied with the service."

Karen Reupert, ABB Switzerland Ltd.

With us, customers benefit not only from the software, but also from our strong NormMaster Community. The NormMaster Community is a collaboration group in which new requirements are jointly agreed in regular workshops with the direct involvement of customers. The solutions elaborated there are planned and implemented into the ongoing development.

Finding solutions together, inspiring each other, thinking innovatively, being one step ahead - that defines us. In this way, we ensure that our tool is continuously developed in a practical manner and according to your needs.

We will be happy to provide you with the right expert and answer your questions about your standards management. Get in touch with us.

URL: https://www.t-systems.com/de/en/strategy-and-consulting

We, together with our consulting arm Detecon, are your partner for digital transformation. Unlock your true digital potential with our expertise

Our consulting methodology helps customers drive transformation across the digitalization spectrum, from ideation and prototyping to smart solution deployment. We combine a deep understanding of technology with innovative business models and roadmap successful implementation to drive impact faster and better.

Operating models are particularly affected by digital transformation, as new forms of cooperation and leadership must be implemented within businesses to remain competitive. This necessitates the creation of adaptable organizational structures that place a greater emphasis on position and responsibility clarity as well as individual motivational preferences. It is evident that continual changes, as well as new demands in terms of technology, people, and processes, necessitate a more dynamic and flexible instrument to assess iterative transformation requirements.

Innovation, digitalization, transformation: how companies are aligning their business models with the world of tomorrow.

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future.

Detecon forms the advisory pillar of T-Systems. What advantages does this offer customers?

How strategic guidelines ensure efficient operation of your cloud platform and your business

success.

Discover common pitfalls to avoid when implementing a Zero Trust security strategy and ten essential steps.

Our thought leaders explain the value of a sustainable business model and how to create one for the digital landscape.

Specialized consultants and growth driven programs customized to equip your organization for the future of digital journey. Our expertise will help you to break the historic silos and have a full visibility over your customer journey. Get in touch!

URL: https://www.t-systems.com/de/en/industries/public-transport/topics/public-transport-operations

Seamless public transit solutions for smarter, efficient, and sustainable mobility

As urban landscapes evolve, the need for reliable, efficient, and sustainable public transportation has never been greater. With a focus on harnessing digital advancements, we are committed to shaping a future where public transport is not just a mode of commuting, but a catalyst for urban development and ecological balance. Our deep expertise and innovative technology solutions are driving a paradigm shift in the way cities and communities approach mobility.

Take the opportunity to fully digitalize the management of your local public transit system. Right across all processes. Fulfill the requirements of a future-proof operation with high cost-efficiency and a modern passenger experience. The T-Systems Smart Transport Suite offers modules that are coordinated with one another, and that can be used individually or together. Individually tailored to your local public transit requirements. The suite contains the following modules: planning and scheduling, operational management, ticketing, analysis and optimization, radio control center, dynamic passenger information, and e-charging management.

How to improve operational efficiency of public transport systems through Intermodal Transport Control System (ITCS).

For inquiries about our comprehensive transportation planning, disposition, and analytics offerings, please get in touch with us. We're here to optimize your transit operations and enhance passenger experiences.

In the world of transportation, meticulous planning and efficient disposition are the cornerstones of success. Our comprehensive suite includes service planning, personnel planning, vehicle planning, and vehicle disposition solutions. These integrated tools empower transportation agencies to optimize routes, manage staff effectively, and ensure vehicles are deployed strategically. With these advanced systems, we streamline operations, reduce costs, and enhance overall efficiency, ensuring a smoother journey for passengers while boosting the bottom line.

In the pursuit of transport excellence, analytics, and optimization play a pivotal role. Our suite features AI-based departure and arrival forecasts, a robust data analytics platform, and steadfast support for traffic management. With these tools, we transform data into actionable insights, providing real-time forecasts and traffic management solutions. These data-driven strategies enable transportation agencies to operate more efficiently, reduce delays, and offer

passengers a smoother, more punctual travel experience.

T-Systems is an innovative digital service provider in public transport with outstanding customer-centric products. We combine deep industry expertise with our digitalization proficiency to develop and implement digital solutions that enable efficient, intermodal, and safe use of existing infrastructure, e.g., cloud-aware Intermodal Transport Control System (ITCS) for public transport providers. For travelers, we create a better user experience by providing reliable information and seamless transit, e.g., an AI-based forecasting machine and e-ticketing solution linking various modes of public transport.

URL: https://www.t-systems.com/de/en/about-t-systems/innovation-management

How are we shaping the digital future? Customers and experts work together in our creative centers to learn how to develop innovative solutions.

Within industry, digitalization is increasingly turning established business models on their head. How can you best leverage the possibilities digitalization offers? At T-Systems, we are doing innovative and inspirational work on the fundamental building blocks of digitalization – advisory and cloud services, cloud infrastructure, and security. It's on this basis that we work with you to develop a practical digital innovation strategy that you can utilize to create value within your company and gain a competitive advantage.

Open exchange, fresh perspectives and the best experts from different organizations are the best recipe for ground-breaking innovations. Our modern creative workshops are designed to transform the ideas from numerous global communities working on the latest technological findings into results. This means that T-Systems customers benefit from our major innovation ecosystem, as well as the know-how of Deutsche Telekom.

Our Innovation Center from T-Systems in Munich is a showroom for the latest developments. Here, experts and customers are working together as a team in workshops using creative methods. Experience the latest strategy and technology trends in all areas: What do you think about participating in our interactive workshops as a 3D avatar? You can find out, as we can make (almost) anything possible in the Innovation Center!

In the Innovation Center in Utrecht, there is a focus on creative collaboration and supporting innovations. This is made possible through on-site experts and lots of space for inspiring workshops. See how to design processes more intelligently and develop new business models, like with the Internet of Things or 5G, for example. Marvel at innovations from areas like smart buildings, connected machines, smart factories, smart logistics, smart cities, and smart retail.

The Barcelona Innovation Center aims to foster joint innovation between Deutsche Telekom, customers and partners. Here there is room for inspiring activities, idea workshops and co-creation. In our lab, we develop new solutions together with you, for example on the topics of smart city, new work, connected industry, smart home or IT security.

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In our creative workshops, we work meticulously, research, and above all, collaborate. We

encourage new ways of strategic thinking and provide greater opportunity to explore new ideas with the latest technology. Whether it's in person in face-to-face innovation workshops or virtual ones in the metaverse: there is a focus on bringing innovation to day-to-day business.

Do you want to put your ideas into practice? In our workshops, you are sure to find the right inspiration!

Experience your business of tomorrow today: discover your digital superpower with the T-Systems Innovation LAB start-up in Leinfelden-Echterdingen!

Experience the cloud of tomorrow at the CloudHub in Budapest – and help shape it. Together with our experts.

Biere is home to Germany's largest data center, operated by T-Systems – a bulwark of data servers and security.

Live at the Werner-von-Siemens Centre in Berlin: how autonomous mobile robots, a 5G campus network, and other technologies facilitate production operations.

More showrooms, ideas workshops, and competence centers from T-Systems, Deutsche Telekom, and partners that will support you to realize your innovative ideas.

The research and development department of Deutsche Telekom focuses on the implementation of new technological trends and contributing concrete results to the innovation portfolio of Deutsche Telekom. Current research areas include: future networks, spatial computing, network security, and digital twins, as well as decentralized systems. Co-research is the main task of the team with the vision of creating an exceptional customer experience and researching disruptive technologies for future telecommunications infrastructures.

Do you want to quickly get your digital innovations on the market and accelerate this with prototypes and proof of concepts? Let us advise you in the Detecon Digital Innovation Center on topics like cyber security, analytical intelligence, co-innovation, and the industrial IoT.

In the future lab in the corporate headquarters in Bonn, the strategy, vision, and innovations of Deutsche Telekom become reality. What will life in the future look like? More than 200 use cases show how everything can be connected – in real life and the digital world.

In the tech incubator from Deutsche Telekom, the company collaborates with start-ups in Berlin and Krakow on key issues like 5G, the Internet of Things, and artificial intelligence. As well as access to innovative technologies and Deutsche Telekom's infrastructure, there is also a prototyping campus and freely accessible co-working space.

Telekom Security manages Europe's largest and most advanced cyber defense center in Bonn and operates a global network of defense centers in Asia, North and South America, Africa, and several other locations in Europe. Our cyber defense centers analyze around 2.5 billion notices of potential security incidents every single day.

Are you curious, want to let your creativity loose, and test out the possibilities digitalization has to offer? Our experts answer your questions and support you with finding ideas and implementing your digital transformation.

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/remote-machine-monitoring

Monitor the status of your system, even from your home office, and react to problems promptly

Due to contact restrictions, many manufacturing companies are currently unable to employ their entire workforce at the company location. Some of the employees are working from home. But how are companies supposed to monitor their production-critical machines and systems seamlessly under these circumstances and intervene at short notice in the event of faults? We support you with our starter package for remote monitoring of machines and plants.

With the starter packages for monitoring and remote diagnosis of machines, you can easily keep an eye on your production facilities – even from home. Using existing hardware from T-Systems and our partners, the first steps can be implemented within a few weeks.

The solution is based on the proven Telekom Cloud of Things, our flexible platform for Internet of Things (IoT) applications in all industry sectors. This allows you to remotely manage and control your networked devices and machines. Remote monitoring is available as Software-as-a-Service (SaaS) – straight out-of-the-box, no need for programming and installation. Simply connect your devices, configure individual dashboards, and get started with your IoT project.

The Cloud of Things collects the sensor data of your networked machines for you in real time and evaluates them. In your personal web portal, you always have an overview of a large number of measurement values such as pressure, speed, temperature, and position. In addition, extensive analysis tools are available. In this way, you secure and improve the efficiency of your systems and processes, reduce downtime, and lower costs through predictive maintenance.

Our Software-as-a-Service from the cloud eliminates the need for proprietary investments. The simply designed portal interface with pre-configured widgets is intuitive to use. The platform comes with the most common industry protocols as standard.

Communication and data storage take place according to data protection guidelines "Made in Germany" on German servers. Encryption, carrier-grade security standards, and our PSA process ensure data security and trust.

Whether you want to start small or expand your devices and sensors infinitely: the Cloud of Things is fully scalable. The pay-as-you-grow principle ensures low investment costs: you are billed based solely on connected devices.

Hörmann KG's high-speed doors can be monitored via a uniform customer portal. T-Systems Multimedia Solutions and Telekom Deutschland combined three special IT components for the IoT solution.

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure

With its cloud solutions, T-Systems is building the digital infrastructure of the future

Data is increasingly being stored on the internet. In the future, data centers and server farms will process more data than local devices. So it's high time to build your own IT infrastructure, based on cloud services. The cloud is flexible, scalable, and saves costs. Whether public, private, or hybrid – T-Systems designs, transforms, and operates a wide variety of cloud solutions for every need. Our successful references prove it works.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Discover how T-Systems helped metal supplier MCB with their cloud migration.

Thorsten Schütz and Sabine Fock from Klinikum Itzehoe share their experiences with the iMedOne hospital information system of Deutsche Telekom.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

In the video, representatives of ITG Informationstechnik Graz and SAP speak about their cooperation with T-Systems.

The founders of Sosias Data set the course for growth.

The State of Brandenburg relies on T-Systems for SAP application management.

The State of Brandenburg is building on dynamic SAP operation.

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape.

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Gerresheimer AG relies on the combination of Managed Azure and Future Cloud Infrastructure.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

T-Systems driving business innovation for Cargodian with AWS consulting and solutions.

1. FC Köln is modernizing its website with AWS and T-Systems.

Migrations into AWS and private cloud as well as taking on the application management for SAP, non-SAP, and PLM.

Vitesco Technologies migrates Windchill PLM system to AWS.

Federal company accelerates software development with Future Cloud Infrastructure and cloud containers.

The company, apoplex medical technologies, offers diagnostic software from the Telekom Healthcare Cloud.

Simple questions are answered automatically and quickly by the e-bot7 chatbot thanks to secure resources from the Open Telekom Cloud.

Hannover Medical School trusts TrialComplete for its clinical studies.

Deutsche Telekom trusts in T-Systems and a DevOps approach for stable and agile operation of the Magenta Speaker.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

The leading full-service payment service provider relies on security "made in Germany".

ECKART relies on Salesforce for an integrated market presence and sales success.

Discover how T-Systems has optimized SAP transformation projects for their customers to help them on their journey to become intelligent and sustainable enterprises.

End-to-end consulting & support for IT infrastructure carve-out in the chemical industry carried out by T-Systems and Detecon.

Why software manufacturer Diamant Software now operates its AI-supported accounting solution in the Open Telekom Cloud.

T-Systems is developing a state-of-the-art AWS Landing Zone for a chemical group as part of an agile project.

Managed firewall services relieve the strain on the internal IT team and secure a lasting high level of security.

The German Heart Center Berlin (DHZB) – How TrialComplete simply and securely creates the data exchange.

Highest performance and maximum high availability for critical infrastructures.

IT.NRW reduces annual operating costs by 5 million euros thanks to process optimization by T-Systems and the implementation of SAP S/4HANA®

How the Haufe Group exploits its data treasures to develop the business in a targeted manner.

How the Fiber Factory accelerating fiber optic expansion with flexible and secure resources from the Open Telekom Cloud.

The integration of various areas such as information security, risk management and data protection makes it possible to take advantage of synergies.

With a new asset management system based on ServiceNow, T-Systems Hungary's service processes are gaining in transparency and speed.

With user-friendly analysis software and secure services from the Open Telekom Cloud, FORSIT can manage the company more effectively.

T-Systems implements remote workstations for 35,000 employees of an international chemicals group within five days.

Indonesian hospital group Mitra Keluarga migrating its IT to AWS with help from T-Systems.

On behalf of the European Commission and the European Space Agency, Mundi Web Services is providing access to European satellite data to create new business models.

The private cloud serves as a solid foundation for shopping and the customer experience.

Setting up a Threat Management Assistant (TMA) System according to AWS best practices.

How EUVIC meets the security and privacy requirements of the financial industry in the public cloud.

T-Systems has achieved these together with its customers within the shortest possible time.

T-Systems supported a logistics company as managed service provider.

T-Systems and Deutsche Telekom IT have accelerated the secure introduction of public cloud AWS together.

Ostseeklinik Schönborn-Holm optimizes patient service with the introduction of REHA.Complete.

For an internationally operating consumer goods enterprise, T-Systems developed a solution based on public cloud services.

T-Systems offers its customers interactive workshops in the virtual world. The Open Telekom Cloud is used as the basis for this.

The GASAG Group uses the SAP Success Factors cloud platform for efficient recruiting and learning management.

Through the migration to Microsoft Azure, Aethra has lowered its operating costs by 60 percent and improved its performance by 30 percent.

Fuse-AI facilitates medical diagnoses using artificial intelligence from the Open Telekom Cloud.

With Particulate's donation platforms, companies can support social projects of their choice with so-called SocialCoins.

platform3l makes companies fit for the digital future. The IT resources required come from the Open Telekom Cloud.

Xelera makes enterprise applications up to 100 times faster and uses FPGA flavors from the Open Telekom Cloud.

Customer acquisition with the Open Telekom Cloud: this is what the artificial intelligence of DATAlovers AG offers.

Expand IT with flexibly scalable resources: brodos.net has succeeded in doing this, with the Open Telekom Cloud.

Film production is becoming increasingly digitized: UFA integrates the cloud into its filming data process.

How the foundry moved its SAP services to Amazon Web Services with minimal downtime.

How Daimler's digital service platform enhances the driving experience and customer loyalty with T-Systems solutions.

How T-Systems and VDV eTicket Service use the Open Telekom Cloud to simplify travel between regions.

Zott introduces SAP Analytics Cloud to manage the company even more successfully.

Zuellig Pharma now has the biggest SAP HANA® installation on a public cloud in Southeast Asia – with 1 million SAPS and more than 10,000 users.

This is how T-Systems Multimedia Solutions and ARD have created a flexible and scalable basis for on-demand offerings.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/healthcare/topics/connection-to-telematics-infrastructure

The control center for networked security and innovation in healthcare

The integration of the German healthcare system into the telematics infrastructure (TI) is crucial to improving the efficiency, quality and safety of healthcare. Seamless communication and secure exchange of patient data are the goal. However, to take full advantage of TI, users must strategically plan their approach to integration and use.

Telekom Healthcare Solutions offer a wide range of telematics solutions for players in the German healthcare sector that meet gematik's stringent requirements. These include connection to the telecommunications infrastructure and secure data transfer, as well as the use of various specialist applications and services within the TI. This secures sensitive patient data, seamlessly integrates different healthcare delivery systems and improves cross-sector communication between different facilities. We help the healthcare sector improve the quality of patient care while ensuring compliance with data protection and security requirements. Thus, making the digitalization of healthcare a success.

Are you interested in our telematics solutions, are you looking for more information or do you have any questions? Our experts are ready to help - call us!

Our TI is suitable for a wide range of German healthcare facilities and institutions, including doctors' offices, hospitals, pharmacies, nursing homes and other service providers. It serves as the technological foundation that enables digital networking and secure data exchange. From the secure storage and transmission of patient data to the use of digital health applications such as emergency data management, electronic medication plans and KIM, TI offers a wide range of opportunities to optimize patient care.

Our solutions offer secure networking for all players in the German healthcare system. From high-performance connectors and modern card terminals to secure ID systems such as the medical practice card (SMC-B) and the electronic health professional card (eHBA), we have an extensive solution reach. The KIM (communication in medicine) specialist service also ensures

encrypted communication and data transfer. This is the future of the German healthcare industry.

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The TI in the German healthcare system enables secure, digital networking of all medical players, including doctors, psychotherapists, and hospitals. Thus, digital applications such as the electronic patient record, KIM and TIM are supported.

(Video with English subtitles: Please click the button at the bottom of the video to show English subtitles.)

URL: https://www.t-systems.com/de/en/about-t-systems/board-of-management

Here you can find brief profiles of our members of the Board of Management

Who is at the top at T-Systems, and how is our Board of Management structured? Get an overview here.

On January 1 2018, Adel B. Al-Saleh, born in 1963, started in his role as Member of the Board of Management at Deutsche Telekom AG and Chief Executive Officer (CEO) of T-Systems.

Adel spent the first 19 years of his professional life at IBM holding a variety of senior leadership roles. His last role at IBM was vice president and general manager, Sales and Industries, IBM Northeast Europe Integrated Operating Team, responsible for IBM sales across all industries and products.

Adel spent 4 years at IMS Health, world leading healthcare informatics company, as President of EMEA and President of the North America.

In December 2011 Al-Saleh joined Northgate as Chief Executive Officer of Northgate Information Solutions (NIS) Group until he took over his new responsibilities at Deutsche Telekom.

Adel graduated from Boston University in 1987, he earned a Bachelor of Science degree in Electrical Engineering and received his Masters of Business and Administration from Florida Atlantic University in 1990.

Download press photo

LinkedIn profile

As of January 1st, 2022 Urs M. Krämer is appointed Director Commercial at T-Systems International GmbH. In this role, he is responsible for Global Sales and Marketing.

Urs M. Krämer comes from Sopra Steria SE, a leading European management and technology consulting company with 46,000 employees in almost 30 countries. His latest role was CEO of the Germany and Austria region since 2014. Since 2019, he has also been a member of the

Group Executive Board of the Sopra Steria Group, Paris.

Urs M. Krämer began his professional career in 1999 at Accenture in Munich. He held various management positions at Horváth & Partners Management Consultants, APCOA Parking Group and the Limbach Group, the largest privately owned laboratory group in Germany. Krämer is highly experienced in top management with restructuring and transformation. He will contribute this expertise and his industry knowledge in the areas of consulting, mobility, healthcare and financial services directly to the further strategic positioning of T-Systems.

LinkedIn profile

Christoph Ahrendt assumed the position of Director of Finance & Controlling on March 3, 2016. After completing his studies at the University of Cologne with a degree in business informatics, Mr. Ahrendt began his career at KPMG Consulting AG in Düsseldorf before coming to Deutsche Telekom AG as a Senior Consultant in 2002.

Mr. Ahrendt has held various management positions within the Group since 2003. He initially held the office of Vice President responsible for setting up the Vivento business. He then worked as Vice President at Corporate Programs and People & Organization where he implemented different transformation programs for the Deutsche Telekom AG Board of Management. Mr. Ahrendt became Senior Vice President Financial & Performance Management in spring 2009 where he headed the efficiency project "Save for Service", as well as the benchmarking processes for the entire Group.

He joined T-Systems in 2012 as Senior Vice President Finance & Controlling Telekom IT. Four years later he assumed responsibility for the T-Systems Finance area as Director of Finance & Controlling.

LinkedIn profile

Georg Pepping has been appointed a Member of the Board of Management of T-Systems International and Director Human Resources and Labor Director at T-Systems since September 1, 2010.

Georg Pepping began his career with the Deutsche Telekom Group in 1997 as a commercial lawyer at T-Data Gesellschaft für Datenkommunikation mbH, where he took over as head of the internal legal department the following year. In 1999 he moved to the Group Employee Terms and Conditions department at Deutsche Telekom AG Group Headquarters, where he was responsible for collective negotiation at German Group companies. He was appointed head of the Remuneration Systems and Total Compensation department in 2001.

In 2003, Mr. Pepping took over the Human Resources Management (HRM) central department at Deutsche Telekom AG Group Headquarters. As Head of the HRM Competence Center, he was responsible for compensation & benefits within the Deutsche Telekom Group, including social, collective agreement and co-determination policies in the Group.

LinkedIn profile

All about the Supervisory Board

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

Manufacturing, services, operations, IT – every aspect of chemical, pharmaceutical and electronics companies is changing

Chemicals, pharmaceuticals, and electronics touch almost all aspects of our lives. They are drivers in making the biggest trends a reality. Today, these trends are more seismic and fast-acting than ever.

Process industries and electronics companies are re-tooling themselves to cut emissions. They are also trying to be closer to their customers, meet consumer-driven demands, and to communicate a wider sense of social and environmental purpose.

From a high-volume chemical shipment to a personal smartphone: anything that is manufactured in process and electronics industries comes with an emissions' cost. As consumption increases, manufacturers are racing against time to lower their environmental impact at every stage: from raw materials sourcing to product lifespan and circular economy solutions.

However, it is in manufacturing where the biggest gains can be achieved. 70-80% of the lifecycle carbon emissions of an electronic device are created during manufacturing.

This is leading to the rise of full energy management systems, which take a 'big data' approach to production efficiency. Through IoT manufacturing devices, the system can monitor energy consumption at a granular level, preventing energy spikes and finding ways to reduce expenditure without jeopardizing mission-critical processes.

This end-to-end system can offer a new level of insight into where emissions are really incurred. They are the next generation of climate-smart technology helping manufacturers comply with regulations, cut costs, and meet the demands of sustainability-focused customers.

Merely optimizing production is not enough to cut emissions. Entire supply chains need to be optimized. After the disruption caused by the pandemic, companies over the world are redesigning supply networks to add flexibility, redundancy, and a greater degree of localization.

With significant rise in raw materials requirements, chemicals and electronics are affected the most. Industry 4.0 solutions can play a key role here: AI to provide insight on optimal timings and reduce downtime, and blockchain to provide transactional transparency. As uptake accelerates, change becomes default rather than an option.

While industry leaders struggle with global challenges, they are also facing increased competition, driven by fast-proliferating start-ups and developing economies taking a greater market share.

Hence, they must adopt new offerings inspired by consumer industries. In these new business models, pricing is set dynamically by AI, the entire offer-to-cash loop is shortened, and customers buy integrated, instantly available services rather than simply products.

IT needs to support this new model, not get in the way. When software and processes function together seamlessly, it will be fully realized.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/digital-communication-infrastru

Reliable public transport digital communication systems improve connectivity, convenience, and security

Digital communication infrastructure is indispensable in shaping the future of transport, and T-Systems stands as a key enabler in this transformative journey. In an increasingly connected world, efficient and reliable communication systems are the backbone of modern transportation networks. From coordinating real-time traffic data and ensuring passenger safety to facilitating intermodal connectivity and enabling autonomous vehicles, the importance of robust digital communication cannot be overstated.

T-Systems offers tailored solutions that harness the power of digital communication infrastructure. Our expertise in PMR (Digital Private Mobile Radio) consulting, radio planning, and 5G campus networks ensures connectivity and optimal resource utilization in the transport sector. We empower transportation providers with highly scalable and secure communication solutions, enabling them to stay at the forefront of innovation while enhancing operational efficiency, passenger experiences, and overall sustainability. With T-Systems as your partner, you can navigate the evolving landscape of transportation with confidence, knowing that your digital communication infrastructure is equipped for the challenges and opportunities that lie ahead.

Let's explore how we can transform your transportation systems together. Get in touch and find out how we can help public transport companies, with their digital, cloud, and security needs.

In the face of a daunting challenge, T-Systems orchestrated a remarkable transformation in urban mobility. Tasked with installing an entirely new digital communication technology for one of the top German public services companies while integrating it into ongoing operations, T-Systems delivered a game-changing solution, TETRA BOS radio technology. A robust trunked radio system capable of transmitting both voice and data across a dedicated local radio network. This innovative network was integrated into Munich's existing metro control system, responsible for managing 94 subway stations and coordinating every train's movement, keeping staff informed. This endeavor brought exceptional reliability as TETRA radio technology operated independently of internet and mobile communications. It became the conduit for transmitting vital information such as deployment plans, delay and early arrival messages, and content displayed on information boards. The result was a significant improvement in public transport, characterized by smoother operations, enhanced customer service, and a demonstrated track record of success in cities like Bochum, Dortmund, and Nuremberg. Our technical expertise plays a pivotal role in shaping the modernization and integration of urban mobility control systems.

In the ongoing journey to modernize transport systems, T-Systems excels in designing and developing digital solutions tailored to the demands of new trains, integrating radio technology with onboard computer software within a complex system environment. We meticulously control and integrate various subcontractors and ensure the harmonious fusion of radio technology with the system components of the new G1-type trains, prioritizing high availability and securing regulatory approvals. Collaborating closely with stakeholders, including the train manufacturer,

and system component suppliers, we design robust digital solutions that incorporate cutting-edge hardware and software components. Our implementation includes highly available onboard computers with a fallback concept, rigorous system and integration tests, and unwavering support during test operations. The results are transformative; a stable, modern solution with training and documentation, operational reliability, regulatory approval readiness, efficient spare parts planning, and a holistic approach that positions T-Systems as your comprehensive, one-stop solution provider.

URL: https://www.t-systems.com/de/en/success-stories/digital/volkswagen-autoeuropa-complete-it-outsou

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal

Placing its trust in T-Systems again, Volkswagen Autoeuropa has renewed the contract for the maintenance and management of its production control systems and IT infrastructure. T-Systems Portugal, as the technology partner, will maintain and manage its technology ecosystem with a proximity support model at its locations in Portugal.

This collaboration contributed to the adoption of the production cloud, with a view to the process of interoperability of applications, which allows Volkswagen Autoeuropa to better manage its production.

Nuno Piedade, Account Manager, T-Systems Ibéria, S.A.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

Located in the city of Palmela, near Lisbon, Portugal, Volkswagen Autoeuropa is the production plant of the renowned automotive brand in Portugal. This accounts for 4% of the country's export volume in 2022, with an annual production volume of around 231,100 vehicles and a sales volume of €3,674 million.

Volkswagen Autoeuropa (Portuguese website)

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/sg/en

Industrial Internet of Things (IIoT) helps factories and industries to better connect their processes, allowing for greater productivity to compete ahead.

Discover the factors that determine cloud success for businesses in Asia and the steps you need to take to get there.

Taking the initiative instead of just reacting: How to secure your future with digital business models.

Let us help you detect and defend your infrastructure against cyber threats now.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

Get to know more about our AI Sales Director Jit Seah Sam Au, his passion for AI, and his journey so far with the AWS DeepRacer League.

AI is advancing various industries, but what benefits does it offer to patients and providers in healthcare? Find out how AI drives the people-first perspective.

Learn how businesses use co-location to meet the demands of rapid digitalisation—without the need to build out their own data centres.

Learn how businesses use co-location to meet the demands of rapid digitalisation—without the need to build out their own data centres.

One of Germany's largest SAP system landscapes is moving to the cloud.

The closer partnership with VMware will make the transition to the cloud easier, faster and less costly for organisations.

An expert will answer your questions about the planning, implementation and maintenance of your digitalisation projects.Contact us today.

Subscribe to our newsletter for the latest trends, topics and use cases relating to digitalization.

URL: https://www.t-systems.com/de/en/careers/why-t-systems

Discover great career opportunities and make a difference – for our society

We have strong values which we strive to live in our work daily, not just corporate slogans but standing up for those values through our products, initiatives and way of doing things. Here everyone is welcome because for us only your potential and willingness to create tomorrow matters. Our aim is to catalyse ever-evolving change that helps make the world a more inclusive and better place to live. We also think if you aren't growing then you are moving backwards in today's fast paced society, so whilst we aren't perfect in this regard we want to take every step of that journey with you and empower you to grow with us.

#QuestionTodayChangeTomorrow

Design IoT projects that connect everything with everything. Program AI that's so smart it deserves a PhD. Digitalize our world and create a cloud that overcomes every challenge. Work to make our cities as smart as their inhabitants or use your expertise to protect digital Europe.

Do you long for a career where you can be that spark of inspiration, that initiates ever-evolving change, stand up for what you believe in and grow whilst doing it? Do you wish we lived in an inclusive, more advanced society? Then join us in challenging the status quo and really #QuestionTodayCreateTomorrow.

Everyone wants to make their mark and everyone at some point wishes something worked better. Ever-evolving change doesn't just occur on its own. It requires a unique spark to set the system reeling. Like a dynamic blast of energy, you could be the catalyst that triggers digital transformation that enriches people's lives. So, get ready to drive lasting change that will make the world a better place.

The times we live in require us to express our common values and to stand together to fight for fairness and equality. Because we know that standing out means standing up. That's why we always try to affirm those core values, because they matter. Join us as we move forward to a more inclusive tomorrow.

Not a destination but a journey, it's more than just a state of mind, it's an ever-evolving world of discovery. A world where your horizons are only as limited as your personal vision. Join us and let's grow together in a global network of experts.

URL: https://www.t-systems.com/de/en/success-stories/digital/dpd-focus-employee-experience

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH

DPD Deutschland uses the wide range of digital possibilities to continually improve customer service. The company has won several awards for its innovative digital solutions. But efficient processes also need well-informed and committed employees – beyond tasks and departments. While employees in the office can easily access internal information and the intranet, those in depots, for example, are disconnected from a lot of current information. This is why bulletin boards remained the main source of information in the factory-like system of the parcel service provider. DPD was looking for the opportunity to roll out a new form of intranet that would also increase the involvement of mobile employees. With T-Systems MMS, the logistics expert found a suitable partner that provided comprehensive guidance on the project – beyond just IT.

At a glance

The intranet for DPD Deutschland GmbH has been running since 2009. Like in many different companies, it primarily serves as an information pool and file repository and less as a platform for interaction and discussion. At the end of 2021, technical support ended for the application they used. The responsible parties decided to switch over to a modern form of intranet software that could reach more employees and sustainably change the company culture: the new platform should fit modern requirements for a digital workplace and promote the employee experience. With comprehensive project management, all those involved should be included. IT, HR, digital services, and the communications department actively collaborated on the project. T-Systems MMS took the lead on the project.

T-Systems MMS not only supported us professionally in the technical implementation of the project but also contributed their experience and competence in other areas, like communications and change strategy.

Michaela Weiß, Manager Internal Relations & Corporate Publishing at DPD Deutschland GmbH

At first, possible use cases and the needs of different groups of employees were analyzed. On this basis, an employee-oriented concept was devised that would make relevant information available to target groups. The old hierarchical information concepts that focused on company structures and departments were discarded. DPD chose Staffbase as its software. Staffbase is an app-based platform for employee communication that is made available as Software as a Service. This means the tool can easily be scaled and expanded very quickly.

T-Systems MMS ensured seamless integration into the DPD tool landscape and adapted the software according to internal company requirements. This is how office employees received a button in Microsoft Teams that gave them direct access to the intranet and allowed them to easily share content. Employees without an office space can log in using single sign-on. They can use the Staffbase app on their personal smartphone in bring-your-own-device mode, so they can access the intranet securely.

T-Systems MMS advised the customer with their migration while the content was transferred from the old system to the new one. After nine months of the project, the new intranet was ready for launch. T-Systems MMS also provides support for the operational phase.

The new intranet now facilitates exchange and discussion. Even in the first few weeks since the launch, there has been an increase in acceptance and use of the intranet. Firstly, employees that distribute parcels in the logistics center or are traveling to customers now have real-time access to internal information.

With new and leaner editing processes, editors now have more responsibility and opportunities to process content. They work across thematic areas and can publish more quickly. This is also a reflection of the change in company culture.

"With T-Systems MMS, we had a partner that not only implemented the specialist and technical side of the project professionally, but also involved and coordinated all participants. With the appropriate change management, we got a complete project from one provider," Michaela Weiß from DPD Deutschland GmbH explains. With the new intranet, DPD has formed a solid basis to take the next steps toward modern working environments and a new company culture. The new intranet strongly contributes to increasing employee loyalty and interaction.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

DPD transports 400 million parcels every year – and an increasing number of these go to private households. This makes the logistics expert the second-largest parcel service company in Germany. DPD has a network of 79 depots and 7,500 parcel shop pick up points. 9,500 employees and 13,000 delivery agents ensure that all parcel delivery processes run smoothly.

DPD Deutschland GmbH

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/success-stories/digital/pega-and-sap-future-proof-financial-manage

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting

The proprietary IT systems currently used for bookkeeping in the Free State of Saxony are reaching their limits. Some well-known examples include the cash accounting procedure (KABU) and the funds management procedure (SaxMBS). These are technologically obsolete at the end of their life cycle. As a result, the Cabinet decided in July 2020 to comprehensively modernize

the bookkeeping systems and build a new, future-proof statewide bookkeeping platform.

One of the most urgent tasks was to map the incoming electronic invoices in a suitable workflow that did not create media discontinuity. The EU plans to make this mandatory in the public administration systems of the EU member states.

T-Systems has found the ideal solution in the form of a hybrid SAP and Pega solution, which will help us to make our bookkeeping landscape modern and fit for the future.

Michael Golsch, Head of the Digitalization and Automation Unit at the State Budget Office

The Free State of Saxony is turning to Pega and SAP for a new, future-proof statewide platform for budgeting, cash management, and accounting – with the help of T-Systems.

The Free State of Saxony is Germany's seventh-largest state by population, with around four million residents. Groundbreaking projects for the future are on the agenda of the state government in 2023 and 2024. About 20 percent of the budget is allocated to education. But there are also plans to expand infrastructures and advance the transition to renewable energies. The two-year budget sets aside 49.3 billion euros in budgetary funds for this purpose – a record volume.

The Free State of Saxony

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/immersive-technology/topics/experience-transformation

Combine perspectives through a seamless state-of-the-art user experience for customers, employees and partners

By definition, we are all users all the time. We can therefore no longer consider professional roles requiring us to work with internet technologies separately from private user experiences. Borders are blurring, we are spending more time working from home, cooperating simultaneously with partners worldwide and using the same technologies, tools, devices and networks for education, jobs, shopping and free time. Future-oriented companies don't consider these experiences as individual concepts but as parts of the same whole, where a complete "experience transformation" is required that prioritizes an enhancement of the user experience.

Whether it's employees, customers or partners – users no longer think like they did 20 years ago, when Internet use still required a lots of flexibility, and often tolerance to frustration as well. Today, companies are increasing their focus on customer satisfaction for their applications and are offering up their services as tasty morsels. Modern users are always online, highly connected and used to simplicity. They value attractive design in the applications they use, as well as high user-friendliness, quick response times and brand transparency. Furthermore, users want an uninterrupted and consistently positive end-to-end experience across different access points and regions.

For companies, this now means they need to rethink their strategy around a modern customer experience (CX). Organizations need to transform the customer experience to achieve full flexibility between services and systems and create intuitive experiences that adapt to user

needs instead of forcing them to adapt. In this way, companies can both reinforce the commitment of employees and build lasting relationships with customers and partners through a satisfactory user experience.

Companies must focus on creating more attractive experiences at every customer touch point. Create seamless end-to-end processes that are particularly close to users at each stage. With different intelligent technologies, these plans can be put into practice. Cloud-based e-commerce, mobile apps, sales and service automation, content marketing, high-performing intelligence and CRM systems support a personalized experience.

In this way, your company can not only survive, but grow and unleash the full potential of all users. Make employees into pioneers and customers into champions.

Wondering how experience-led transformation can work in your industry? Our reference guide collects stories from different markets and territories, showing how organizations gained flexibility and decision-making capability through digitalization.

A service-oriented model starts with your own teams. Too often, they face obstacles such as fragmented processes, siloed and inaccessible data, or repetitive manual tasks inflating workloads. Removing these difficulties will free up talented staff to innovate and design the connected services that customers demand.

Transform your business with T-Systems' comprehensive digital tools, from initial consultation to customer journey mapping, process optimization and change management. Move to a software-as-a-service model and make the most of existing enterprise software, such as Salesforce and ServiceNow.

Want to get your experience transformation underway? Our suite of multimedia services is designed for digitalization that achieves real results. Get started today.

The right tools and partners can enable digitalization and maximize the upsides – turning experience transformation from a worry into an opportunity.

At T-Systems, we act as partners in transformation, helping businesses identify and realize short-term and long-term wins. Our multimedia solutions are built to address every stage of the customer journey, complemented by best-in-class business solutions. What's more, we don't apply a 'one size fits all' approach, but tailor our solutions to you using a rigorous framework supported by industry-specific knowledge. Your experience will be as positive as your customers'.

Beijing Airport is equipped with state-of-the-art Airport Management System designed by T-Systems.

Want to accelerate your transformation? Or just have unanswered questions? Book a consultation with our multimedia and experience experts, and let us help fill the gaps in your customer journey.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/azure-managed-cloud-service

Public cloud resources from Microsoft Azure for three months worth a total of EUR 6,000 plus

consulting hours

IT infrastructure should not come to a standstill, especially in times of crisis. When your own data center reaches its limits or IT staff can only work from home, native infrastructure and platform services from the public cloud provide an alternative. T-Systems is now offering a Quickstart Package for Microsoft Azure: 3 months of computing power for maximum EUR 2,000 per month, plus administrator training, configuration per web conference and Managed Cloud Services for Azure Foundation / Advanced.

During a crisis, bottlenecks can occur in data centers and with IT resources. Additional computing capacity is often needed quickly. Through T-Systems, companies can now book computing services from Microsoft's public cloud ad hoc – Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), as well as databases and storage systems. Microsoft Azure offers standard services such as virtual machines, SQL databases, and VPN gateways. This gives companies a flexible cloud infrastructure that can quickly adapt to short-term requirements.

With the support of experienced, certified Azure specialists from T-Systems, IT administrators and developers can create users and implement monitoring frameworks after a short training session. This entry level is ideal for IT departments with a short-term need for IaaS and PaaS services, and companies can gain initial experience with Microsoft Azure without risk. After the end of the three-month term there is no obligation to continue using Azure. Alternatively, Managed Cloud Services for Azure will continue to operate under the usual conditions.

The offer runs for maximum three month, total benefits amount to maximum EUR 6,000, possible extent:

Azure – Foundation

MCS Azure – Advanced (Optional extension to Foundation)

* Field required

Thanks to its strategic partnership with Microsoft, T-Systems is also able to combine various cloud solutions into hybrid cloud offerings. Companies can seamlessly move their data between their own data center, Microsoft's public cloud, and T-Systems' specially protected private cloud. Thanks to the close cooperation between T-Systems and Microsoft, the manufacturer-independent cloud portfolio is expanding, offering companies the best solution for their business requirements at all times.

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/digital-rail-infrastructure

Innovation and sustainability provide smarter, more efficient, and safer rail networks for the digital era

Digitalization improves rail operations, boosting efficiency, safety, and sustainability. By using IoT (Internet of Things) sensors, real-time analytics, and predictive maintenance, rail networks run more reliably, handle higher loads, and reduce downtime. This ensures safe and on-time transport while cutting greenhouse gas emissions by optimizing energy use. T-Systems supports digital rail infrastructure with tailored IT solutions.

Maintaining the integrity and security of critical rail infrastructure is paramount for uninterrupted transportation services. T-Systems offers advanced technology consulting services to assess, plan, and implement robust solutions that safeguard critical rail infrastructure against cyber threats and ensure operational reliability.

IT/OT security consulting involves the critical task of safeguarding enterprise information. To effectively address the unique challenges posed by IT/OT in terms of enterprise security, T-Systems uses comprehensive frameworks like ESARIS (Enterprise Security Architecture Reference for Industrial Systems) to create a security taxonomy that categorizes and organizes security measures, protocols, and policies specific to IT and OT environments, providing a structured approach to identifying vulnerabilities and implementing robust defenses. Our security strategies tailored to the ESARIS framework ensure the integrity, availability, and confidentiality of the IT and OT systems amidst today's evolving cyber threats.

A digital train station gathers and analyzes data in real-time, enables dynamic passenger information, and steers processes in an intelligent manner.

In the world of digital rail infrastructure for public transport, "precise asset positioning in depots or on track" signifies a pivotal strategy. It involves the precise placement and management of various rail system components, encompassing trains, locomotives, carriages, signaling equipment, and maintenance vehicles. Leveraging cutting-edge technologies such as Global Positioning System (GPS), Radio Frequency Identification (RFID), and advanced sensors, this approach optimizes rail operations by improving scheduling, enhancing maintenance efficiency, ensuring safety and collision avoidance, and providing real-time asset tracking. By embracing digital technologies, data-driven solutions, and robust communication systems, we are modernizing rail networks and elevating the reliability, safety, and overall efficiency of public transport services.

Recognizing that each rail operator has unique needs and challenges, T-Systems offers tailor-made, customer-specific solutions. These solutions encompass a wide range of services, from digitalization and automation to passenger experience enhancements, aligning with the specific goals and requirements of each rail operator.

Let's transform your rail operations together. Reach out to explore tailored solutions for your digital rail infrastructure needs.

Deutsche Bahn Netz AG faced a multifaceted challenge in developing a comprehensive security architecture and documentation scheme, aiming to improve transparency, ensure completeness, streamline the division of labor, and enhance collaboration among diverse target groups. This initiative sought to master the intricacies of IT, OT, and IIoT systems while efficiently orchestrating various security-related aspects, all while maintaining sustainability and minimizing documentation efforts. T-Systems addressed this challenge by presenting architecture components from ESARIS and Joint Security Management (JSM), conducting a thorough customer site analysis, and tailoring security measures to the unique situation. The outcome included the development of a security taxonomy encompassing enterprise IT and OT, facilitating the identification of initial improvement opportunities. The customer benefits from enhanced security documentation, serving as proof of compliance and a tool for comprehensive security management, as well as a better understanding of requirement hierarchies aligned with regulations and standards.

T-Systems' and Nevomo's IOT Data-as-a-Service solution designed to identify infrastructure

defects with the power of AI is a cutting-edge solution that seamlessly integrates with existing rolling stock, enabling real-time measurements on the move. It can be easily installed on operational wagons, locomotives, or diagnostic vehicles, and boasts the capability to detect over 15 different types of defects on rolling surfaces, fastenings, sleepers, and track beds, including sleeper cracks. Remarkably, it can acquire data from train runs of up to 120 kph, with an advanced AI algorithm processing this data using machine learning models. What sets this solution apart is its Data-as-a-Service model, eliminating the need for purchasing and operating sensors. In collaboration with Deutsche Telekom, T-Systems offers a holistic solution that encompasses connectivity, sensor devices, IT security, and systems integration. As part of the TechBoost Startup Program and Open Telekom Cloud, T-Systems is pioneering the future of rail infrastructure maintenance.

The future of digital rail infrastructure holds immense promise and presents a plethora of opportunities for organizations to thrive in an increasingly interconnected world. As industries continue to digitize and embrace technologies like IoT, 5G, cloud computing, and AI, the demand for robust and secure digital infrastructure is growing exponentially. T-Systems is uniquely poised to be at the forefront of this transformation. With our cutting-edge solutions and extensive experience, we can help organizations navigate this dynamic landscape.

URL: https://www.t-systems.com/de/en/security/solutions/secure-access-service-edge

How you can protect your applications and data and use them more efficiently, with new security architecture

Digitalization and the cloud influence company networks: users gain access from home or on the go, usually through cloud-based apps and services. All sites and connected machines also need direct access to the network. The challenge: your decentralized infrastructure is becoming increasingly complex and your existing network has its limits. At the same time, you need to guarantee that users can use cloud services quickly and securely.

How can we guarantee you high worldwide performance if you are working with cloud services like AWS or Microsoft 365? How can a network and all endpoints be fully protected? The answer is security architecture based on Secure Access Service Edge (SASE). The cloud-based framework combines WAN and security: you will get modern, future-proof architecture that ensures you have the best connection and optimum protection across the whole network and periphery. This means your users can work more productively and create added value for your company.

As cloud adoption and hybrid models grow, learn how you can secure your businesses with an SSE strategy.

Central network access is particularly detrimental for employees in external locations. With this set-up, they have slower connections and a poor user experience, which makes them less efficient. The solution is local breakouts. Using cloud-based branches, employees can get connected directly with AWS or Microsoft Cloud. This reduces latency and provides positive user experiences.

Employees also need secure access to the internet and cloud services when working from home or on the go, where they can get high performance without a detour through the central company network. Applications are therefore mapped in the cloud via connectors and can only be used individually by authorized users. As opposed to the earlier practice of checking IP

addresses, the digital identities of employees can now be verified with a service like Zero Trust Network Access, to ensure that only authorized users can access your applications and data.

SASE primarily supplies functions through a cloud-based platform. This means that your admins do not have to install any hardware or software – upgrades and maintenance are carried out automatically. This not only reduces complexity and costs, but also reduces the workload of your IT team, who can then focus on tasks that add value to your company. Moreover, SASE strengthens your compliance, as security policies can be installed centrally and can be observed across the whole network. All security features that are being used are always kept current and provide effective protection against cyber threats like advanced threats, botnets or cross-site scripting.

We can work with you to determine the current state of your infrastructure and plan what the appropriate type of security architecture would be for you. You will benefit from our many years of experience from global security projects and our security operations centers that look out for cyber threats around the clock. We work together with you to complete a feasibility analysis for SASE, as well as the configuration, integration, testing, and launch of the new security framework. We will modernize your infrastructure and make your network fit for the cloud age.

With SASE, we can ensure excellent connectivity and secure access to applications and IT services from all endpoints. Our experts can support you in finding and implementing a suitable network. To do this, we use different SASE components depending on your individual requirements. These components include:

While you progress with new digital business models, we will take care of all aspects of your network and security strategy. Our expert team will supervise your digital transformation and answer any of your questions concerning SASE.

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/vmware-to-aws-migration/v

VMware Cloud on AWS Flex offers on-demand IaaS on VMware virtualization stack

Pay only for the VMs that you run

Complete control over self-managed workloads

Hourly charges for utilized resources

Ever wanted to run VMware workloads in a public cloud? Then VMware Cloud on AWS is the right place to go. Besides running your legacy workloads in a cloud, you now can also use virtual machines based on a VMware stack from AWS – on-demand and pay-as-you-use. Starting from one VM (virtual machine), scalable up to thousands. Pure cloud experience with VMware Cloud on AWS Flex.

Individual offer 1, 2, 3

tailored to your needs

This offer is only valid for business customers of T-Systems International GmbH. All prices are net prices quoted exclusive of VAT at the applicable rate.

You can get additional consulting Services to operate your landscape as well as get consulting and support for migrating your workloads (both with additional fees)

Complete Instances list with Pricing

All product information and offers about VMware Cloud on AWS Flex in one document.

URL: https://www.t-systems.com/de/en/industries/public-transport/insights

Inspiring insights relating to the digitalization of public transport

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to your industry and us – now and in future.

GeoMobile bundles transport services onto an IT platform for barrier-free mobility.

T-Systems is once again the largest IT service provider in the automotive industry in Germany – for the 13th time in a row.

T-Systems and Goal Systems enter partnership.

Driver-less automated buses could help relieve the emissions pressure and make travel cost-effective.

Combining the Blockchain Technology with IoT offers a lot of opportunities in the mobility sector.

Covid-19 has hugely impacted the rail industry, but what other factors are driving change, and how is it responding?

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/application-value-management/solutions/application-management-

Transform your business applications by integrating speed, risk management, and agile development

In today's fast-paced business and IT landscape, the challenge lies in delivering Application Management Services (AMS) with speed, operational efficiency, and reduced costs whilst ensuring uncompromising quality. T-Systems understands this challenge and excels in providing standardized Information Technology Infrastructure Library (ITIL) -based agile and classic streamlined operations, reduced resolution time, lower costs, and enhanced application availability. Partner with us to unlock your applications' full potential and drive competitive business success.

As the market leader, T-Systems, along with Deutsche Telekom, offers end-to-end (E2E) application management services, making them a standout provider in the industry. Operating on a global scale, T-Systems has over 3,000 AMS experts with coverage across 20+ countries, and all continents, and proficiency in over 10 languages. T-Systems' strategic alliance with industry-leading technology providers, including SAP, Microsoft, Oracle, ServiceNow, Google,

AWS, Salesforce, OpenShift, Atlassian, VMware, IBM, and others enables us to deliver fully integrated solutions, leveraging AI/ML (Artificial Intelligence/Machine Learning) and hyper-automation technologies for efficient analysis and insights.

in NextGen ADM1

active customers in >20 countries

users migrated

applications migrated

ISG Leader in country Brazil

Our proven AMbition 5.0 methodology forms the foundation of our transition approach. With this robust framework, we ensure a structured and efficient transition that aligns with your business needs and goals. We utilize advanced tools, including reverse engineering and automated scanning tools, to facilitate a smooth and efficient transition process. These tools help us gain insights into your application landscape, enabling us to make informed decisions and streamline the transition. With our focus on smooth and low-risk transitions, and leveraging our experience and expertise, we aim to deliver a seamless application management experience for your enterprise.

T-Systems' comprehensive Application Management Services provides professional support for complex application landscapes throughout their lifecycle. With customizable service times up to 24/7 service provision, low incident resolution and quick response times, we ensure smooth business operations. Our standardized services, based on ITIL best practices, deliver consistent and reliable support. With our Next Generation AMS approach, we achieve remarkable results, e. g. resolution times reduction up to 50%, lowering TCO up to 30% by outstanding mindset of the service teams, fully automated Information Technology Service Management (ITSM) processes, close collaboration of service teams and passion for you and your applications.

Future-proof your business with T-Systems' Application Management Services. Our 25+ years of experience and expertise, proactive monitoring, and cutting-edge tools ensure your applications can adapt to emerging technologies and evolving business needs. With a focus on aligning applications with your strategy, we offer tailored solutions that leverage AI/ML, cloud integration, and process optimization. Benefit from our industry knowledge, innovation, and strong partnerships to confidently navigate the digital future and drive long-term success at competitive prices for AMS.

Reach out to our dedicated team to discuss your specific requirements and explore how our services can benefit your business. Learn more about how our Application Management Services can benefit your organization and propel your business forward.

URL: https://www.t-systems.com/de/en/partners/google

The Google Cloud Platform and other cloud services for identifying and implementing new business value

Google started with a search engine, and is now one of the major global hyperscalers. The Google Cloud Platform is now considered a leader in data analysis, including data warehousing

and platforms and models for artificial intelligence and machine learning. With the world's largest backbone network in 200 countries, the Google Cloud offers a very high standard and numerous options for meeting the individual compliance and security requirements of our customers.

As a Google Cloud Premier Partner, T-Systems offers both standardized and individual solutions on the Google Cloud Platform and can focus on the requirements of various industries, such as manufacturing, automotive, logistics or the public sector. We can support you with the innovation of Google and T-Systems' many years of all-round expertise: from a joint analysis of your requirements up to the implementation of the final solution.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Interview on the benefits of T-Systems Sovereign Cloud powered by Google Cloud.

Modernize your infrastructure and application landscape with Google Cloud.

T-Systems and Swiss canton begin proof of concept.

The founders of Sosias Data set the course for growth.

Strategic, long-term partnership will provide a next-generation sovereign cloud solution.

I have been working with Google Tools for a long time. For me as a user, one thing is clear: All Google products are designed as a complete, end-to-end solution. Everything fits together and helps to make my life easier.

Tamás Spéth, T-Systems Product Manager Google Cloud Platform

We would be happy to provide you with the right cloud expert and answer your questions on identifying your business potential with the Google Cloud. Contact us, we are here to help.

URL: https://www.t-systems.com/de/en/intelligent-automation/insights
Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

T-Systems and UiPath Partnership: Business automation based on European standards, such as GDPR.

Hybrid working model combines the best of both worlds – remote working and office.

We are linking the physical supply chain with the financial supply chain to increase resilience, automation, and value creation.

Wouldn't that be lovely. But we first need to understand where precisely we are when it comes to the subject of sustainability.

Machine learning (ML) and artificial intelligence (AI) technologies can be used to address many of the identified targets of digital innovation.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

A key to putting your business into digital fast-track with experts from Pegasystems and us #Fastlane2Digital.

Experts from Intel, IDC, and T-Systems will teach you how to use AI, analytics, and IoT to your advantage.

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Future AI: When failure is not an optionOur artificial intelligence and machine learning experts René Phan and Jörg Heizmann discuss in this video how companies can successfully get such projects up and running and into an industrial application with the help of our AI Solution Factory.

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New WorkMastering challenges in the new world of work | Webinar(Video with english subtitles)

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Automatic Accounts Payable using SAP iRPAA hyperautomation tool using different capabilities of SAP BTP combining iRPA, Workflow, Business rules to extract and process invoices automatically. Watch the video to learn more.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/success-stories/digital/autohaus-gitter-the-digital-dealership

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go

"We are not reinventing the wheel – we are continuing to turn it". His maxim shows clearly that the Autohaus Gitter dealership is looking to the future and is not content with the status quo. Neither for itself nor for its customers. Excellent service for the Toyota and VW car brands is the top priority at the locations in Erfurt and Weimar. Digital innovation is to have an increasing role in this. For the car dealership, digital means not only modernity and improved user experience.

Rather, IT support is intended to achieve additional, tangible commercial value. On the one hand, it is intended to optimize the processes within the service. Not only does the increased efficiency benefit the employees, but also sets the company apart from the competition. On the other hand, IT needs to tap into the specific business potential, in other words: it should generate additional sales.

"The user is accompanied step by step, from arranging and planning appointments to order qualification and workshop planning, as well as invoicing and archiving," says Managing Director Jürgen Ketzel, praising the work. The various customers communication channels that the DMS offers impressed the dealership's managing director. The holistic process support increases the efficiency of the dealership. It benefits employees and customers alike. Because ultimately, the Autohaus Gitter dealership can set itself apart from the local competition with the help of VaudisX: it enables better consulting, and a more competent image strengthens the customer relationship.

For all that, the service consultants at the Autohaus Gitter dealership save a lot of time when organizing service orders with the new dealer management system. At the same time, however, VaudisX is also opening up new business potential in which customers can be directly targeted. Facts and analyses provide a much firmer basis for an acquisition discussion. The likelihood of concluding a deal is significantly increased. At the same time, the software architecture of VaudisX is open both to the past and the future. Established tools such as the TKP workshop planner can still be integrated and used via an interface. At the same time, new applications such as Salesforce can be used at any time. And since VaudisX is designed to be brand-independent, the dealer management system can also be used for the processes in the dealership's Toyota line.

The user is accompanied step by step, from arranging and planning appointments to order qualification and workshop planning, as well as invoicing and archiving.

Jürgen Ketzel, Managing Director Autohaus Gitter

VAUDIS – this is no stranger among the VW service partners. As a dealer management system, VAUDIS has been reliably supporting the processes within the dealerships for a good 30 years. VAUDIS continues to be very much present. Almost every second VW dealership depends on the dealer management dinosaur. But modern requirements such as customer intimacy for an optimized customer experience, from which both the workshop and the customers benefit, are not adequately supported by the system. Furthermore, the user experience when working with VAUDIS has remained at the same level since the turn of the millennium.

This was not a situation the Autohaus Gitter dealership in Erfurt was prepared to settle for: "We wanted to make the complete service process as elegant and smooth as possible," explains Heiko Etzhold, one of the business managers at the dealership. It was important to the VW and Toyota partner that links to important existing tools remained in place, while also being able to use modern applications like Salesforce easily in the future. It was also important to the dealership that all customer data remained on the local servers in the dealership.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

With VaudisX, T-Systems has worked with users from car dealerships to develop the next generation of VAUDIS. A modern dealer management system that fully replicates the service

processes in the dealership. The dealership uses the software on its own servers in house via a user-oriented monthly payment model. VaudisX acts as a central hub for all service processes from booking the appointment through to vehicle handover. The car dealership's employees find all historic information at a glance in the archived customer or vehicle files; all processes between the service consulting, workshop, and customer are controlled from a single window. This makes the previous switching between different programs a thing of the past. At the same time, VaudisX gives the dealership new service options. If the service customer enters the dealership, the event is already logged and prequalified. By integrating into other backend systems, it will immediately become clear, for example, whether the customer is affected by a product recall. Waiting times are a thing of the past, as the service appointment is already optimally planned in advance, including the workshop availability and necessary replacement parts.

The digital solution also incorporates the customer even after he leaves the premises. An electronic chat is carried out via tablet in the workshop. This enables essential repairs that were previously not picked up on the car to be documented in situ with a photo. The photo can be sent to the customer's cellphone along with a cost estimate for the order add-on. The customer can then decide, also electronically, whether the dealership will integrate the repair into the current service or defer it to a later point in time. Deferred services can then be used for an active sales pitch at a later date and the VaudisX archive ensures they are not lost as in the past. In addition to the processes being made more flexible, the structured and concentrated archiving of customer and vehicle information in an archive database enables further evaluations in order to get to know the customer better and to optimize the customer experience.

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go.

URL: https://www.t-systems.com/de/en/immersive-technology/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how international companies are using our immersive technology solutions to increase flexibility, productivity, efficiency, and quality.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

Thorsten Schütz and Sabine Fock from Klinikum Itzehoe share their experiences with the iMedOne hospital information system of Deutsche Telekom.

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards.

The 5G campus network enables the use of automated guided vehicles.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

Groundbreaking platform for managing electrical charging infrastructure.

The State of Brandenburg is building on dynamic SAP operation.

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go.

T-Systems is developing the platform Adeje DTI Smart Tourist Destination and the Smart Adeje app.

T-Systems is charting a new path to digital transformation for Tarragona City Council (Spain).

Logistics company FIEGE counts on T-Systems for its SAP operations.

T-Systems supplies agile test environment for pioneering specialized procedure GeFa.

How IoT solution from T-Systems implemented sustainable water management.

TrialComplete supports the work of the DZHK.

Heinsberg Hospital introduces online appointment bookings.

Baosteel Tailored Blanks uses the Kofax Total Agility automated solution for invoices.

Deutsche Funkturm is automizing the collection of contract data through robotic process automation.

T-Systems is implementing a powerful vaccination management system for DRK Saxony in a very short time frame.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

The Dürr Group now benefits from optimized manufacturing processes – Universal Data Converter makes it possible.

Toll4Europe supports cross-border trips with just one on-board unit.

Tirol Werbung gets a central coronavirus dashboard for tourism companies and holidaymakers

up and running in just four weeks.

T-Systems and Stahl join forces to realize a successful SAP migration.

Barmenia is exploring new approaches in the insurance industry, resulting in clear advantages for its customers.

T-Systems is introducing temperature scanners for the buses of a public transport provider.

T-Systems analyzes anonymized driving data for automotive OEM in China.

T-Systems builds a digital platform within 24 hours to support the Mercabarna wholesale market in distributing food.

With the FashionTAG as an electronic price tag for clothing, a department store chain has made a successful start with digital commerce.

Logistics company modernizes its branch POS system and makes it more flexible with software-as-a-service from the cloud.

RUD is using the Industrial Internet of Things to enhance transparency in conveyor systems.

All business-critical SAP core applications from Clariant run on infrastructures operated by T-Systems.

How the machine manufacturer is achieving efficiency gains through automation.

How a company built an ERP platform for the future.

How T-Systems supports the Federal Office for Civil Protection and Disaster Relief.

Full speed ahead into the future: success stories with T-Systems solutions.

Schwan Cosmetics works with virtual reality glasses.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/cloud-services

Suitable provider? Public, private or hybrid cloud? We keep an eye on everything for you with our cloud services

Modern companies operate in a dynamic cloud environment which includes both public and private cloud solutions. Our cloud services are of crucial importance here: they not only offer first-class efficiency and security, but also ensure seamless adaptation to the ever changing requirements and challenges of cloud computing. Professional management provides decisive competitive advantages.

Our recent market analysis, in partnership with consulting firm PAC, examines the status quo, investment plans and attitudes of large organizations towards digital transformation.

T-Systems offers individual cloud solutions that integrate hyperscalers such as Google Cloud, AWS and Azure with private and hybrid cloud infrastructures. This enables customers to find the best cloud platform for their needs without neglecting security, compliance or sustainability.

Download this white paper by IDC to learn how European enterprises can use private cloud to bridge the gap between legacy IT and public cloud.

VMware Cloud on AWS offers an easy and low-risk entry into AWS for legacy workloads. VMC Flex allows the use of VMware as a true IaaS.

While public clouds conserve resources, the sovereign cloud also helps with compliance and data protection guidelines.

T-Systems achieves top positions in analyst reports on cloud services solutions.

What is the meaning behind the buzzword and what significance does sovereignty have for digitalization?

What does "cloud 9" look like for your company? Our experts help you to connect private and hybrid cloud infrastructures so that you are always using the best software. Let's talk!

URL: https://www.t-systems.com/de/en/analyst-ratings

Comparative studies by leading analyst and advisory firms confirm our leading role for end-to-end digitalization capabilities

Comparative studies and industry reports by renowned analysts show T-Systems is a leader in the areas of digitalization, cloud services, security, industry-specific solutions, and advisory. These independent studies confirm T-Systems as a market leader and trustworthy partner for customers.

Four Leader rankings in the latest ISG Provider Lens™ benchmark for AWS Ecosystem Partners.

T-Systems was named as one of the Best in Class in the PAC Innovation RADAR 2023 for AWS IT Ecosystem in Germany.

ISG names T-Systems a leader for managed services and rising star for implementation and integration services.

ISG recognizes T-Systems as leader for SAP ecosystem 2023, Germany.

ISG names T-Systems a leader for Managed Services for Azure, Microsoft 365, and SAP on Azure.

T-Systems ranked as leader in three categories in ISG ServiceNow Services Provider Lens, 2023, Germany.

* Field required

URL: https://www.t-systems.com/de/en/partners/servicenow

ServiceNow is the world's most innovative company, according to Forbes. With its Enterprise Service Management (ESM) platform, it specializes in digitalizing and automating end-to-end processes. Deutsche Telekom has been a ServiceNow partner since 2014 and is the only German service provider to offer several ServiceNow Cloud models on the market – depending on the requirements of customers from different industries.

Derive value from continuous IT improvement with ServiceNow value assessments. Choose from our quick checks' packages.

This platform can act as a comprehensive control center for internal and external service requests along a company's entire value chain.

Groundbreaking platform for managing electrical charging infrastructure.

T-Systems/OS is ranked as a leader in 3 categories in ISG Provider Lens™ for ServiceNow Ecosystem Partners 2022, Germany.

T-Systems is recognized as the 2022 ServiceNow EMEA Creator Workflow Partner of the Year.

T-Systems provides implementation support and operates the platform in its own data center in Germany.

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Sherif Rezkalla, Vice President Portfolio and Head of Business Networks Deutsche Telekom AG, talks about the use of ServiceNow as the "heart" of the core processes and his experiences with the platform.

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Combridge S.R.L. uses ServiceNow to plan and offer services in the field of telecommunication worldwide. Endre Magyari, Director of Business Development, talks about the added value of ServiceNow for the company.

* Field required

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions/sap-s4-hana-migration

Your journey into the digital age: demand-based and tailor-made solutions for a successful SAP S/4HANA migration

For SAP user companies, there is no getting around SAP S/4HANA. Digitalization calls for a change in thinking – whether in the approach to projects, in working together in decentralized teams, in the development of skills, or in the use of technologies. As a certified SAP partner,

T-Systems will accompany you along your journey to the digital age and pave your way to becoming a smart company.

Planning to migrate your SAP S/4HANA to AWS? Find key recommendations in the free report.

The SAP S/4HANA suite offers companies a foundation for digitalization, internet of things (IoT), and Industry 4.0. Develop new digital business models and generate more added value in the age of smart businesses – thanks to the real-time capabilities of the SAP HANA in-memory platform and the latest generation of cloud-based SaaS solutions. Our Value Consulting for SAP S/4HANA helps your organization get answers to questions such as: Is your organization and IT environment ready? Which functions deliver value? How big is the challenge? What is the business case? How do I reduce the life-time costs? How do I get from A to B?

Discover how to reduce SAP S/4HANA migration project costs using our SNP CrystalBridge® Assessment with public cloud sizing.

Cloud migrations, DSGVO compliant provision of test data and process harmonisation are among the key challenges today. Our automated assessment offerings help to minimise project costs and risks as well as downtimes of the productive SAP system. With the T-Systems' License Value Case for SAP Landscapes, optimise licence models and achieve up to 30% cost savings every asset pays for itself. Invest freed up budget profitably, for example, when changing the licence model or the hub to SAP S/4HANA.

Would you like your IT operation to be designed more efficiently with the public cloud, but don't know to what extent your SAP workloads are suited to it? Find out what the switch to AWS involves and how, together with us, you can set up your IT to be flexible and future-proof.

As a certified provider of SAP Hosting Services, T-Systems will operate and maintain your entire SAP environment in highly secure data centers, while adhering to the strictest SAP criteria regarding defined operating processes, high-security standards, and transparent monitoring and reporting tools.

T-Systems offers you state-of-the-art, SAP-certified infrastructures and services from the public, hybrid, or private cloud, including all the benefits that come with maximum flexibility, high availability, and comprehensive security.

With the SAP-certified solutions from T-Systems, your company will use services based on the SAP HANA platform securely and flexibly. Tap into countless innovation opportunities with cloud computing, internet of things, big data, real-time analytics, mobility, and much more.

The SAP Business Suite Solutions Operations certification is a guarantee of high-quality application management. Make the most of your SAP applications with scalable and configurable Managed Application Services provided by T-Systems.

From maintenance to daily operations and support: As an SAP-certified partner, T-Systems will manage and operate all your SAP S/4HANA applications end-to-end. Benefit from our expertise and the global network of experts.

T-Systems is also certified to manage the SAP SuccessFactors HCM suite for your company, allowing you to benefit from optimal and integrated HR processes.

With SAP's new DevOps certificate, T-Systems offers companies an innovative and efficient methodology from integrative system development through to operational processes.

SAP BTP operations is the latest certification in the 'SAP Certification for Outsourcing Partners'. The SAP BTP is intended to create a uniform environment for efficient data use and analysis, artificial intelligence, application development, automation, and integration.

As a certified SAP Activate Partner, we will transform your company safely and risk-free using SAP S/4HANA. To do this, we use SAP Activate, SAP's implementation framework, in combination with our best practices for a successful entry into the SAP S/4HANA world.

As an SAP Global Platinum Reseller, T-Systems is one of the elite sellers of SAP solutions. This platinum partner status is by invitation only and reserved for resellers with particularly high levels of expertise in the areas of SAP platforms and SAP products.

The comprehensive managed services for SAP applications and more than 4,000 SAP experts enabled T-Systems to become one of the few certified E2E SAP partners worldwide.

Migration to SAP S/4HANA is one of the most complex tasks for a company, and it is considered an important step in the company's strategy. Focus is placed on interface issues, the amount of data to be migrated and system downtime. Downtime should be kept to a minimum, so as not to disrupt the business. Whether you want a greenfield, brownfield, or BLUEFIELD™ approach, or a made-to-measure solution. Pick the solution that meets your specific needs.

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Greenfield and Brownfield are the most prominent approaches for SAP S/4HANA transformation, but what if neither of them fits perfectly for you? T-Systems brings an alternative approach - SMARTField, which lets you leverage and retain your years of SAP ECC investments and at the same time have flexibility to adopt innovation available in SAP S/4HANA.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

How the overview of the existing SAP infrastructure reduces the costs and risks for the transition into the target systems.

How companies can get their SAP S/4HANA projects on the road to success by using the right strategic guidelines.

Find out how companies should clean up their SAP landscape for a faster and more cost-effective migration to SAP S/4HANA.

Thanks to a preliminary study, Murrelektronik can better estimate and plan the time and resources needed for the SAP transformation.

* Field required

Reliability, security and sovereignty of digital business models through end-to-end IT services

With locations in more than 20 countries and over 27,000 employees (December 31, 2022), as well as annual revenues of around EUR 4.0 billion (2022), T-Systems is one of the leading providers of digital services in Europe.

The Deutsche Telekom subsidiary is headquartered in Germany and has a presence in Europe as well as in selected core markets and strategic production locations. T-Systems can provide a global production and supply chain to companies operating worldwide.

Company presentation 2023

T-Systems offers integrated end-to-end IT solutions, driving the digital transformation of companies in all industries and the public sector. T-Systems' focus industries are automotive, the public sector, healthcare and transport. For these areas, T-Systems develops industry-specific solutions – so-called vertical applications.

See what comes next in your industry, and how we are shaping the digital transformation for you. #FutureOfIndustries

The comprehensive portfolio of services includes secure operation of traditional IT infrastructures, migration to private cloud and public cloud environments of hyperscalers, as well as management of hybrid and multi-cloud infrastructures. T-Systems integrates customized platforms, industry-specific applications and innovative technologies such as artificial intelligence (AI), big data and blockchain into these infrastructures. To achieve this, the Telekom subsidiary works closely with leading global technology partners. The end-to-end services also include state-of-the-art security solutions and data protection in accordance with DSGVO requirements.

The technology and industry experts at T-Systems and its consulting subsidiary Detecon advise companies on their path to digital transformation. Together with customers, they design a modern, future-proof IT landscape. This also includes implementation and, if required, subsequent operation and further development of the IT infrastructure. The Detecon consultants specialize in the entire spectrum of industry-specific digitalization – from innovation and prototyping to the implementation of smart solutions.

T-Systems, together with Detecon are your partners for digital transformation.

Technologies are only one side of the coin. Many things are technically feasible. But IT trends and hype do not always fit a company's business model and strategy. After all, innovation is not only a question of infrastructure, connectivity, and application landscape, but also of mindset and culture. At Detecon, digitalization is therefore above all a people business. With the Digital Engineering Center in Berlin, Detecon has created its own competence center which is continuously developing this view of consulting.

Digitalization along the entire innovation value chain. The result: groundbreaking solutions in the sectors Cyber Security, Innovation, Data Analytics, and Industrial IoT.

Digitalization is not a hype, but an urgent imperative for every company and public

administration. It is not first and foremost about speeding up business processes. It is now abundantly clear that agility and flexibility are the key benefits of a digitalized economy and administration. Production processes and supply chains can be adapted in an agile manner. The foundation for this is real-time analysis of machine, production and planning data thanks to big data and artificial intelligence. This allows sub-processes to be controlled autonomously and business experts to focus on strategic future developments.

T-Systems offers a broad portfolio of coordinated IT and network solutions for digital transformation. In addition to private and public cloud services, these include digital solutions for industry 4.0, artificial intelligence (AI), virtual reality (VR) or blockchain. T-Systems integrates these into existing IT infrastructures or builds entirely new structures and operates from scratch. Digital solutions tailored to defined business processes are also used, enabling companies to exploit the full potential of digitalization.

How digitalization can makes your company more innovative, competitive and successful.

T-Systems offers its customers access to and operation of a comprehensive cloud ecosystem. To this end, the cloud experts work with more than 150 partners, including hyperscalers AWS, Microsoft and Google, technology providers such as Cisco and VMware, and software manufacturers such as SAP, Salesforce and Microsoft. For customers with special requirements for data protection, data sovereignty and compliance, T-Systems offers its own Open Telekom Cloud, which can be used to meet all the requirements of the General Data Protection Regulation (DSGVO).

The cloud has become the preferred IT infrastructure of the future. Although the cloud brings demonstrable benefits to IT operations, migrating to and operating hybrid multi-cloud infrastructures with private and public cloud components is complex. Especially, when they also have to work seamlessly with on-premise solutions. T-Systems supports customers on this path:

T-Systems has more than 20 years of experience in the transformation and management of complex IT systems. The Telekom subsidiary currently has around 3,000 cloud architects and experts worldwide. The heart of its cloud services is one of Europe's largest and most modern cloud data centers near Magdeburg in Saxony-Anhalt. It is the highly secure hub of T-Systems' global cloud infrastructure. In addition, the global production network includes 16 highly secure twin cores and strategic points of production in Slovakia, Hungary and India.

The perfect combination of private, hybrid and public clouds can succeed – with professional platform management.

A secure IT and OT infrastructure is crucial for the economic success of a company. But cyber attacks on networks and software are becoming a major threat. Almost daily, there are attacks by cybercriminals who exploit vulnerabilities, install malware, steal passwords and complete digital identities, intercept sensitive data and extort their victims. The reason: IT architectures are often not designed securely enough to withstand professional hackers. Therefore, one of the most important challenges of digitalization is to successfully protect IT and OT systems.

Telekom Security is one of the most successful providers of security solutions and services for companies and public administrations. Among other things, they benefit from the high level of protection with which Telekom secures its own infrastructure. Among other things, Telekom Security operates its own interconnected Security Operations Centers (SOC) around the globe. With the help of AI, around 2,500 security experts analyze up to 2.5 billion security-relevant

events from around 3,300 global data sources every day. This expertise also benefits the companies for which Telekom operates SOCs tailored to specific customer requirements.

How our Cyber Security Services protect your business processes, support innovation and secure competitiveness.

Data centers consume an enormous amount of energy. T-Systems is doing everything it can to continuously improve the sustainability of its data centers. The long-term goal is "net-zero energy data centers" that are self-sufficient thanks to an intelligent interplay of renewable generation, storage and flexible consumers. They will no longer require energy from the public power grid and will be powered only by CO2-neutral energy. The data center in Biere already consumes 30 percent less energy than conventional data centers.

How we become a climate neutral company, and how we support clients in their sustainable digital transformation.

Are you interested in more information about T-Systems? Please get in touch!

URL: https://www.t-systems.com/de/en/industries/healthcare/topics/digitalization-in-the-hospital

This is how digital technology becomes the heart of modern medicine

Digital imaging, HIS, medical IoT, and electronic patient records – the digital transformation of hospitals, clinics, and care have many facets. Digital medicine promises quality and efficiency but hospitals need to keep a few things in mind to ensure seamless collaboration. For example, patient data must be protected from cyberattacks. In addition, the interoperability of systems and integration into existing processes is critical.

High-quality and patient-centric healthcare is crucial for digital transformation. Digital technology solutions drive efficiency in medical care, improving overall patient care. They open up new avenues for telemedicine or personalized therapy plans, making treatment easier for doctors, caregivers, and patients. With a broad portfolio ranging from hospital IT to cloud and security to e-health, we connect all healthcare stakeholders over a state-of-the-art IT infrastructure. Our solutions range from medical IT to IT operations and security solutions.

Here's how integrated smart cyber defense is helping to modernize healthcare.

Telekom Healthcare Solutions (THS) is the pioneer for simple, efficient, and secure digital solutions in healthcare. With a broad portfolio and special expertise in the hospital environment, we network players with each other and create access to state-of-the-art IT infrastructure. THS is a leading market player in Europe, offering holistic solutions from medical IT to management and security. Our team of more than 700 healthcare experts are shaping the future of healthcare.

At a time when comprehensive networking is becoming increasingly important along with rising cost pressure due to demographic developments - data protection in hospital IT is becoming more challenging. In such a scenario, THS is here to help you realize the full potential of modern healthcare IT solutions without compromising security.

Would you like to push the digitalization of your hospital? Do you have questions about our solutions and services? Our experts are ready – just give us a call!

The iMedOne HIS has long been a proven tool for process optimization and networking in hospitals. Hospitals' IT experts particularly emphasize the mobile component and the system's high level of adaptability, which makes it possible to create customized workflows. iMedOne also offers a comprehensive ward overview, materials management, and medication control. These combined with reliable networking, makes an important contribution to process optimization in healthcare.

(Video with English subtitles: Please click the button at the bottom of the video to show English subtitles.)

URL: https://www.t-systems.com/de/en/industries/public-transport/topics/public-transport-maintenance

Enhance efficiency and reliability with digital asset maintenance, smart depots, and smart workshops

In today's fast-paced railway industry, staying ahead requires innovative solutions. Our comprehensive suite of maintenance technologies is designed to transform your rail operations. With predictive maintenance, anticipate and prevent equipment failures, reducing downtime substantially. Optimize your depots with Smart Depot solutions, increasing throughput and accuracy. Embrace remote maintenance for efficient inventory management, immersive training with AR and VR, and the power of Digital Twins. It's time to elevate efficiency and reliability in transport maintenance.

In the rail and public transport industry, the challenge lies in mitigating the unpredictability of equipment failures. Current systems often lack the capability to anticipate and prevent these disruptions effectively, resulting in costly downtime. While present systems are helpful, they are not robust enough to anticipate and prevent these breakdowns effectively. Therefore, it is crucial to address this challenge and harness advanced technologies and data-driven approaches in finding solutions to enhance predictive maintenance capabilities.

Reach out today to elevate your rail and public transport operations with our advanced, cost-effective, and reliable digital maintenance solutions.

Depot management represents a significant challenge within the rail industry. The complexity of operations, particularly in depot settings, often results in inefficiencies that can adversely affect the entire rail network. These inefficiencies primarily revolve around storage and routing, where current systems struggle to optimize processes adequately. Suboptimal throughput and operational errors can result, impacting service reliability and profitability. The challenge facing rail operators is clear: to bridge these efficiency gaps.

In the domains of both rail and public transport, remote maintenance brings forth significant hurdles. Efficiently managing inventory, ensuring the effectiveness of AR/VR solutions, and seamlessly integrating Digital Twins remain paramount challenges. The solution lies in the embrace of cutting-edge technologies and streamlined processes. Leveraging drones for inventory control reduces manual labor while enhancing precision. Implementing immersive

AR/VR solutions elevates training and maintenance procedures for both rail and public transit networks. The use of Digital Twins creates virtual replicas for precise issue resolution, ultimately reshaping operations in both domains, enhancing efficiency, and ensuring cost-effectiveness.

URL: https://www.t-systems.com/de/en/newsroom/expert-blogs/in-ai-transformation-keep-an-eye-on-your-

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future

AI adoption is no longer a buzzword but a strategic imperative. Across industries, organizations see AI's potential for efficiency, decision-making, and growth. What sets AI apart is its all-encompassing nature, unlike previous trends. It automates tasks and drives data-driven insights. Successful adoption means cultural change, promoting AI literacy, ethics, and strong data governance. AI's integration will reshape industries and spur innovation.

Accelerating AI adoption in large enterprises can be challenging, but there are some counter-intuitive strategies that can help overcome common barriers:

While a strategy of pausing and learning from one's experience is invaluable in every walk of life; it is of particular importance while pursuing AI. AI is fast evolving. We are just scratching the potential of Generative AI and Artificial General Intelligence (AGI) may already be upon us in no time (OpenAI recently announced that AGI has been achieved internally). Here are few key learning you should gather from ALL your AI transformation playbooks, implementation, trials and experiments.

By embracing these counter-intuitive strategies and learnings, large enterprises can navigate the complexities of AI adoption more effectively and achieve successful, sustainable integration of AI into their operations and strategies.

Senior Vice President of Global Portfolio and Technology Excellence, T-Systems International GmbH

Questions about AI adoption? Contact us for expert guidance on your transformative journey.

URL: https://www.t-systems.com/de/en/newsroom/news

T-Systems news at a glance

T-Systems is supporting the state of North Rhine-Westphalia in digitalizing its fire and rescue services' control centers.

Audit validated T-Systems' capabilities in delivering customer solutions and services on the Microsoft Azure platform.

ISG Provider Lens™ – AWS Ecosystem Partners 2023: "Leader" in Consulting, Migration, Managed Services, and AWS SAP Workloads.

T-Systems brings manufacturers and suppliers into the automotive industry's data ecosystem.

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform.

Adel Al-Saleh to leave the Group and become new CEO of satellite operator SES.

T-Systems renews Premier Partner status and adds Security Specialization to Google Cloud offering.

New Managing Director HR from January 1, 2024: Driving growth with talent management.

T-Systems brings manufacturers and suppliers into the automotive data ecosystem.

First approval for healthcare in Germany: BARMER introduces digital identity for policy-holders in 2024 with T-Systems.

The European Commission has presented the T-Systems data center in Biere with the European Code of Conduct Award.

We are delighted to share innovative ideas and projects in our newsletter. Will you join us?

URL: https://www.t-systems.com/de/en/artificial-intelligence/solutions/ai-solution-factory

Reduce failure rates and introduce intelligent automation to business processes with AI Solution Factory from T-Systems

Up to 90 % of AI projects never make it into production (Gartner), what about yours?For AI to be successful, you need:

Eliminate the risk of failure and bring AI into a live production environment with our AI Solution Factory, managed by our experienced team of AI and technology experts.

You can display all external content on the website at this point.

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Our experts René Phan and Jörg Heizmann discuss how companies can successfully execute AI projects using our AI Solution Factory.

Learn how AI and analytics can enable companies to unlock the potential of data by building insights into actions.

Does your AI solution provide scalability and reliability? Are you struggling to integrate AI on Edge or within hyperscaler environments?

Make the transition from AI prototype to productive end systems easier and more cost-efficient.

The AI Solution Factory combines an Application Suite which links to your business logic and systems, together with a Deep Learning factory, which provides a standardized environment for the development of AI services, with a cloud-agnostic approach.

This end-to-end solution eliminates the three main failure rates to ensure AI integrates with your customer systems.

A managed platform without lock-in based on open-source tools like Kubeflow and JupyterHub in the cloud.

Your business deserves success! Make AI simple and efficient with a framework that takes your projects beyond POC to enable model training and automate scale-up into live environments. Get in touch with our AI experts today!

Almost nine zettabytes of data will be stored by 2024 (IDC). AI enables the creation of new, data-driven business models, but you will want to make sure your information and connections remain secure at all times. The AI Factory is secure by design, and vendor agnostic. It integrates with any hyperscaler platform or Edge Computing strategy to automate the scale-up of AI into your live productive systems. With T-Systems managing the entire AI journey from end-to-end, you can quickly realize the benefits of AI and accelerate your digital transformation. AI doesn't have to be complicated. With our help, it isn't!

How do you create high-quality AI systems? Adherence to quality assurance is critical. Read more about the principles, methods and necessary measures that can be used to ensure and enhance the quality of productive AI systems.

URL: https://www.t-systems.com/de/en/iot-and-edge/solutions/edge-cloud

Fast, decentralized data processing at the edge of the internet: On path to success with customized edge devices from T-Systems

Virtual reality and augmented reality, smart cities and smart homes – an increasing number of devices, machines and sensors are connected to the Internet of Things (IoT) and they continuously generate large amounts of data. Even the most powerful network sometimes takes too long to transfer data to a data center or cloud for analysis. The solution is called edge computing: Decentralized data processing directly through the robot in production or the IoT device.

How cloud innovation coupled with edge computing is fueling business performance in the automotive and manufacturing industries.

Data growth at the edge – the network periphery of the internet – far exceeds WAN bandwidth growth, making it impossible to transfer all data to a data center. Data processing at the point of origin saves time, relieves networks and minimizes latency during data transmission.

Edge computing enables organizations to leverage the results of their data processing and analysis across multiple locations around the globe quickly and easily. Edge computing also plays a major role in the use of augmented reality and virtual reality – be it in the industrial IoT environment or in the gaming sector. The data must be processed directly on site to ensure the smooth use of devices such as VR glasses or augmented reality apps on smartphones.

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Real-time data processing with lowest latency: This allows intelligent applications and devices to respond almost immediately to data as soon as it is created. Get inspired by the video.

The use of edge computing in industrial environments helps to bring IT and OT (operational

technology) closer together. By connecting to the edge computing platform, the robot benefits from a secure, non-contact connection to IT and clouds. OT eco-system, DevOps methods or container technologies can be made available to reduce development cycles. In addition, innovative technologies such as edge analytics, local artificial intelligence or augmented reality/virtual reality can also be used in the OT environment.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Edge computing is used, for example, to test drive prototypes of autonomous cars. Sensors, control units and actuators generate large amounts of data, especially when several vehicles are tested in parallel at different locations under different conditions. Sometimes, data in the multi-digit petabyte range accumulates daily for processing. Thanks to local data analysis (code to data) in the mobile mini data center on site, it is only necessary to transmit the results. This means that they can flow directly into the further development of the vehicles, as all development laboratories around the globe have access to the results.

In addition, decentralized data processing is used for autonomous transport vehicles both in the interior and exterior. For example, the robot communicates with edge through the 5G campus network advanced solution from T-Systems. The technology enables smart, autonomous navigation, safety and obstacle avoidance. The solution can be adapted to different sensor and robot setups.

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Decentralized data processing also ensures that gamers can use augmented reality games such as Pokémon Go through the internet everywhere without interruption. With edge computing, data processing is brought closer to where it is needed. This allows you to create a completely new virtual gaming experience for the smartphone.

T-Systems offers fully managed edge computing & edge analytics services for near edge based on a world-class edge software ecosystem across multiple platforms. T-Systems also integrates edge computing into public clouds such as Azure, AWS and Open Telekom Cloud, while never losing sight of IT security.

At the core of edge-computing controlled digital transformation is:

Why edge computing should be an essential part of your technology landscape is explained in this flyer.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

URL: https://www.t-systems.com/de/en/t-systems-portals

Your options for further services and offers in an overview

Only for development partners of the VW Group. Activation takes place after verification by the Volkswagen Group.

Information, license orders and software downloads of the on-board network development system VOBES.

Portal for ordering and administering T-Systems services for existing customers.

Benefit from our extensive PLM product portfolio and our dedicated PLM services

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/private-cloud/classic-hosting

Legacy systems continue to be a part of company IT. Classically hosted on the premises or in the provider's data center

When it comes to legacy IT, there's life in the old dog yet. If you ask cloud proponents, these old IT infrastructures should have disappeared long ago. And yet legacy IT and mainframes are tenaciously clinging on, and companies are required to continue to host, maintain, and manage them. Where a legacy infrastructure is operated, an IT partner is needed who provides the data centers for the classic IT infrastructures.

According to the 2019 Lünendonk study "Fit for the transformation" ("Fit für die Transformation"), legacy has not outlived its usefulness yet, despite the pressure of the digital transformation. A full 13 percent of the larger medium-sized companies and corporations surveyed are not at this stage planning any legacy modernization at all, and a further 30 percent are only intending to develop a strategy for transformation over the next one to two years. Interestingly, the Lünendonk study also found that around half of the surveyed companies do not yet apply a cloud first strategy.

What are the reasons behind the slow departure from legacy systems? One answer might lie in ERP systems which are deeply interwoven with company processes in large companies and groups and have been developed over many years to be company-specific. These systems often still run on legacy IT and cannot easily be replaced by cloud solutions.

Another study by IDG Research shows that mainframes still hold a large share in IT operations. According to the "Legacy Modernization 2018" ("Legacy-Modernisierung 2018") study, over two thirds of surveyed firms still use mainframes in their IT and data centers. One fifth of companies are planning to replace their existing mainframes in the short or medium term; 46 percent of companies are only planning to do so in the longer term. At least 22 percent of companies intend to keep their mainframes in the long term; 8 percent have not yet made up their mind.

Companies that still rely on their legacy IT or are only just planning a successive transfer to the cloud can be provided with server, storage and backup services by T-Systems. In customer locations and the DIN/ISO 27001-certified twin-core T-Systems data centers we operate x86 servers with Linux and MS Windows and Unix servers with IBM AIX for you. The T-Systems data centers fulfill all compliance requirements under German and European data protection law and comply with all prescribed IT security standards, with 99.8 percent minimum availability.

The standard server configurations are checked quarterly based on orders, latest hardware generations of suppliers and market analysis.

Sooner or later, companies will transfer or want to transfer the majority of their IT infrastructure to the cloud. For this purpose, T-Systems provides the whole range of options for extending classic hosting with any private and public cloud solutions to hybrid, multi- or future-cloud structures. Since T-Systems offers managed services for AWS and Azure alongside its own public cloud services from the Open Telekom Cloud on the basis of OpenStack, IT infrastructure really is without limits.

Lünendonk & Hossenfelder has been ranking the IT companies in Germany since 1985. T-Systems defends its first place.

Flexible and reliable: Use infrastructure as a service (IaaS) from our highly secure German data centers.

A cloud strategy is in place, but legacy systems are slowing down the transition? How to modernize your IT with little effort.

Our secure container platforms with 24x7 support cover all managed Kubernetes scenarios in the enterprise environment.

Our data migration service, Vamosa, analyzes content from legacy systems and transfers it securely to new software.

VMware technology paves the way for a smooth cloud entry and multi-cloud management.

While an Enterprise Security Architecture (ESA) describes the security measures of a company, ESARIS (Enterprise Security Architecture for Reliable ICT Services) refers specifically to the security architecture of ICT service providers. An extensive collection of documents renders the ICT services of T-Systems secure and reliable – from design and operation to further development. The collection contains global guidelines, higher-order concepts and specific work instructions for all areas of security management:

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/careers/students-and-graduates/working-students

You want to get a taste of practical experience, develop your professional skills and finance your studies? Then you've come to the right place as a working student.

With us, you are an integral part of the team from the very beginning, with your own tasks and

responsibilities. You will work on forward-looking topics in an internationally active company and thus help shape the digital world of tomorrow.

Mobility of the future, digital solutions for healthcare, fully automated supply chains with integrated financial services? Our topics are as diverse as the technologies we use, such as AI, IoT, cloud, 5G campus networks, sensor technology. With T-Systems, you can grow professionally and personally. Along the way, you can make your first important contacts and build a personal career network. Last but not least, we offer you an attractive salary, additional benefits and flexible working, so that you can easily balance your studies and your job. What are you waiting for?

We are looking for YOU! So far, you have been able to gather a lot of theoretical knowledge during your studies. With us, you have the chance to apply and expand this in practice. To be hired as a working student, you must be matriculated at a university or taking a gap year between your Bachelor's and Master's studies. You also need to have some time on your hands: between ten and twenty hours a week for at least twelve months.

Do you have any questions about working student positions? I will be happy to help you.

URL: https://www.t-systems.com/de/en/newsroom

Discover news, the latest customer stories, and background information about digital business and T-Systems

The digital world is spinning quickly. As one of the leading digitalization partners for major enterprises, we are also continuously developing. Stay up to date with us: browser through our Newsroom and take advantage of our experts' specialist knowledge directly in the blog. In the customer magazine Best Practice, companies from all sectors have their say. And with our newsletters, you get news delivered straight to your mailbox.

Are you a journalist or would you simply like to find out more about Deutsche Telekom?

Do you have questions about the digitalization of your business or T-Systems? We will be happy to put you in touch directly with the right expert.

URL: https://www.t-systems.com/de/en/analyst-ratings/digital

Deutsche Telekom and T-Systems gain top reviews from Pierre Audoin Consultants (PAC) and the Information Services Group (ISG)

The experts at ISG (Information Services Group) and the IT consulting firm PAC see Deutsche Telekom and T-Systems as leaders in the areas of M2M and the Internet of Things.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

URL: https://www.t-systems.com/de/en/careers/pupils/apprenticeship

Put your talent to use in your career by doing an apprenticeship with us

An apprenticeship at T-Systems opens up opportunities and possibilities for you to develop and gain a wide range of experience. After you have finished school, we will train you in different jobs. Depending on your preference, you can choose between IT and business jobs. Secure your preferred apprenticeship now. School grades are not everything. The best things you can convince us with are your talent, commitment, and personality.

You will be personally looked after by a tutor and a contact within the business. Modern learning platforms will accompany you in your individual learning development. The best of the apprentices have the opportunity to take part in a foreign assignment.

The apprenticeship generally takes three years, starting on September 1, with a salary of 1,050 bis 1,150 euros (as of 2020). Your apprenticeship contract is concluded with Deutsche Telekom and then you will complete your practical assignment with us.

Do you always maintain an overview, have a handle on everything, and are a people person? Then you're the right person for us.

During your apprenticeship, you will get to know the entire breadth of office communication. You can specialize in different areas. You will gain a deeper understanding of the assistance and secretarial tasks. You will learn to work in the office management, team assistance, and specialist business assignment divisions.

Find your apprenticeship

As an industrial clerk, you can work virtually anywhere, since you will have an overview of how the business interlinks and you will be able to contribute to virtually all divisions. If you have always wanted to know how a company functions, we can definitely recommend this apprenticeship.

Find your apprenticeship

You're a whizz on the computer – but not a nerd. You also enjoy contact with others, as you will be working with our most important asset – our customers. During the course of your three-year apprenticeship, you will always be advising our customers when they are looking for new IT or telecommunications solutions.

If they then opt for one of our products, you will train them to use the new technology. It goes without saying that you will be in constant contact with our IT experts. Thanks to your training, you know exactly what they are talking about. You can specialize in different areas.

Find your apprenticeship

As an IT Systems Engineer, you are always there to help with hardware and software problems. You offer technical service when the printer malfunctions or the WiFi is down. If you are an accomplished tinkerer and passionate fan of technology, this apprenticeship will give you the best opportunities.

Find your apprenticeship

Are you excited about the whole range of information and telecommunication technology? Do you understand how complex systems work and how hardware and software components are

integrated? Then you're the right person for us. This is where you will learn how systems and networks are planned, installed, and maintained while also learning how to advise and train users.

It's up to you what happens after your apprenticeship. Choose from a specialist career, working alongside studying, or being a certified specialist. There are many options to choose from!

Find your apprenticeship

Do you passionately program in your spare time? Are you able to spend hours on end with software applications? Become an IP expert with us! If you spend every free minute tinkering with software and are fluent in programming languages, you should turn your talent into a career.

In this job, you will be fulfilling the individual software requirements of customers by developing new applications or adapting existing software. You decide what happens after your apprenticeship. Choose from a specialist career, working alongside studying, or being a certified specialist. It's your choice!

Find your apprenticeship

Do you have questions relating to apprenticeships? I am happy to help.

Telekom training

URL: https://www.t-systems.com/de/en/about-t-systems/in-focus

Our current topic specials on digital transformation

Never before has it been so important that companies wanting to thrive on the market adapt so quickly and agilely to new requirements. COVID-19 has given the digital transformation fresh impetus and shown that projects can be implemented in the shortest possible time frames. The pandemic has also confirmed that parts of the economy will change over the long term: for instance, how we set up supply chains, how we work, and how we travel. With this in mind, we are focusing on those topics that are currently having the biggest impact on your company.

Business success depends on the right digital foundations. Shape these now – together with us. Let us show you how the digital transformation can help in your current situation: this could be, for example, improving your customer experience with the cloud, supporting New Work concepts and strategies with AI, or reducing your ecological footprint with digital technologies. Browse our topic specials and use the expert knowledge and practical examples to help your business.

Let yourself be inspired by our reference booklet, featuring success stories that T-Systems has realized together with customers within a very short time.

The Fastlane offer contains tools and tailor-made consulting services to accelerate digitalization.

How we become a climate neutral company, and how we support clients in their sustainable digital transformation.

What determines the change? Make your career future-proof by asking the right questions.

Whether in times of crisis or upturns, we are by your side and help you to develop digital solutions for your challenges. Get in touch now.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/managed-edi-services

Data interchange in all formats with various ecosystems in the pay-per-use model without the need to invest in hardware and software

Do you need to optimize processes and avoid bottlenecks as well as interchange, use, and secure data in real time? Electronic data interchange (EDI) is ideally suited to support this – if only the implementation, integration, and management of a B2B platform weren't so laborious. In addition to specialist knowledge, it requires investment in hardware and software. And continuous adjustments swallow up unnecessary time and money. The alternative: managed EDI services from T-Systems.

Speeding up internal and external processes, improving planning quality, and creating genuine information transparency

Managed service means no in-house hardware and software investment, reduction in warehouse stocks, performance and use-based invoicing, and cost and innovation advantages thanks to standardized processes and common interfaces for all B2B and B2C channels

A single interface, all formats, all protocols

High performance and availability of up to 99.98 percent and 24/7 EDI support

Highly secure data center under the strict and proven security and data privacy standards of Deutsche Telekom. The EDI service is exclusively managed by T-Systems employees.

The cost drivers for setting up and operating an in-house EDI solution are software licenses, dedicated hardware, maintenance, and personnel. T-Systems has connected the ERP system of a textile retailer to more than 500 suppliers. Managed EDI services allowed the costs for EDI to be reduced by 50 percent, since there was only one electronic transfer point for communication with all partners. The existing heterogeneity of the networks and protocols were reduced to nil. The retailer was also able to reduce the order and delivery times using automatic warehouse stock reports.

The interaction between part-system or subsystem delivery and production is complex. If around 20,000 suppliers are sharing their business process data globally for the production of vehicles and are conceivably processing over 1.3 million transactions each day, disruptions or outages are absolutely business-critical. To be on the safe side, one automotive manufacturer opted for our managed services for EDI in an all-round care-free operation: high level of availability of 99.98 percent, high system stability and load sharing across two redundant data center locations. German security standards from T-Systems also protect against unauthorized access.

The automotive sector relies on Electronic Data Interchange, but it's not perfect. Learn about the next generation of EDI.

Many companies are meanwhile opting for electronic data interchange (EDI) and have set up

their own platform for this. But the majority of EDI standards, EDI documents, EDI processes, and heterogeneous system landscapes, as well as constant updates and the need to encrypt the transferred data, make EDI systems complex. New data formats and communication protocols need to be constantly integrated. Otherwise, errors in data detection occur. This stops automated processes and requires manual rework. A managed EDI solution prevents errors by providing a data hub in the cloud via which data is interchanged in the desired formats and directly processed in the in-house customer system.

Companies require various systems, software, and skills for the many different communication protocols. The complexity of these EDI systems has grown over the years, which makes the outlay for operation and maintenance more expensive as well as considerably increasing the security requirements. Our managed EDI services significantly simplify the automated data transfer and shorten the time it takes to connect new business partners to the system. The offer also supports all international and sector-specific data formats and communication protocols. In most cases this means: parametrization instead of programming.

Managed EDI Services from T-Systems provide a sophisticated and proven system for structured communication between any type of IT systems.

Electronic data interchange ensures that business-critical data is always processed promptly (just in time and in the right order) and securely, and is only received by trusted business partners. The managed EDI services from T-Systems enable the seamless interchange of customers' electronic data with all their business partners for the replication of supply chain processes in SAP and non-SAP systems. The managed EDI services support all standard communication protocols, including AS2, ALE, and OFTP and all standard formats such as EDIFACT, VDA, X.12, and IDoc.

Would you like to have seamless data interchange within your company and direct further data processing of your business partners in your IT systems? Less complexity? Then contact one of our EDI experts now!

URL: https://www.t-systems.com/de/en/security

How our Cyber Security Services protect your business processes, support innovation and secure competitiveness

Across different industries, digital processes are conquering the value chain, and more and more applications are moving to the cloud. In order to strengthen agile business operations and resilience in the company, a holistic security strategy – including the use of AI – is required. In order to protect data, applications and users, companies need to incorporate security issues comprehensively into their strategy from the very beginning. A prerequisite for this is the establishment of a strong security culture based on zero trust. In this way, risks can be limited, scope for innovation can be created, and the company's success can be strengthened in the long term.

Enhance your growth by building the capacity to deal with unforeseen disruptions and crises. Detect cyber attacks early, respond properly, mitigate the consequences and recover quickly.

To build a mature cyber security culture and ensure compliance within the organisation, it is imperative to create awareness and embed a strong security mindset throughout the organisation.

The traditional security approach relies on defence at the network perimeter and assumes that once devices have been checked, they will always remain secure. However, the complex environment of the modern corporate network requires new approaches – in line with the motto: "never trust, always verify".

New working models and agile methodologies with AI technologies are accelerating the shift to cloud-based security and require new ways of dealing with cyber security, as new risks are also developing as a result of the new methods. The task is to master the balancing act between agility and safety.

In this report, you will learn why zero trust has long moved from hype to reality, how to create a strategic roadmap, and ultimately how to start your implementation.

Discover common pitfalls to avoid when implementing a Zero Trust security strategy and ten essential steps.

Find out why cybersecurity must be seen as an investment and how to strengthen security with assessments.

What is microsegmentation, and how does it protect your enterprise from malicious activity and cyber threats?

Why must businesses focus on cybersecurity and compliance together, and how compliance can turn into an advantage.

Learn why an Endpoint Detection and Response (EDR) solution may not be sufficient for your endpoint security.

Do you have questions about cyber security? Our experts will be happy to help you and answer your questions.

URL: https://www.t-systems.com/de/en/success-stories/digital/barmer-id-and-health-insurance-card-in-the-

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards

Soon, all health insurers will be required by law to provide their policyholders with a secure digital identity upon request as a supplement to the electronic health insurance card (e-health card). This is stipulated by the Digital Care and Nursing Modernization Act (DVPMG). Everything is set. As of January 1, 2024, policyholders' electronic health cards and electronic ID cards shall, upon request, receive a digital twin for their smartphone. They are intended to provide insured parties with secure access to social welfare services that process, among other things, related data, e.g. enable policyholders to view their patient records and also serve as an insurance ID with doctors and healthcare facilities.

For BARMER, too, these requirements entail an expansion of its services: a secure authentication process in future will, in future, allow policyholders to use their digital identity as a form of identification to directly access their electronic patient records and view electronic prescriptions and emergency data on their cell phones. The crux of the matter is that the telematics company (gematik) entrusted with these tasks set very high-security standards for the

identification and authentication of the policyholders and for the entire duration of data access. To meet these stringent requirements, BARMER commissioned T-Systems and its partner Verimi to provide and manage maximum-security digital identities for over 8.7 million policyholders.

The gematik specification of implementing a trusted execution environment (TEE) implies that operators of an identification and authentication solution in the healthcare environment must demonstrate a technical solution that makes accessing all personal medical data impossible. Access is reserved solely for policyholders and persons authorized by them. It is, therefore, necessary to protect data not only during transmission and storage but also at the time of processing. In addition, the TEE provides for the following:

The highly sensitive social welfare data must also be processed in accordance with the stipulations set out in the German Social Code (SGB). In other words:

The introduction of digital identities allows our policyholders to have easy access to our online services with the highest level of security. We are pleased to have two experienced partners, T-Systems and Verimi, and their invaluable support in offering this user-friendly solution as soon as possible.

Roland Bruns, Head of IT at BARMER

BARMER is developing such a solution for digital identities with its partners T-Systems and Verimi. Verimi has an established identification and authentication solution, while T-Systems ensures scalable operations in our Sovereign Cloud and in German data centers with European staff. All computing is carried out with the necessary geo-redundancy across multiple data centers, thus ensuring that German Social Code requirements for processing data are met. In addition, confidential computing ensures the required operator exclusion in compliance with gematik's TEE specification: sensitive data is processed in specific memory regions of the processor encrypted by Intel® Software Guard Extensions (Intel® SGX), also known as Intel SGX enclaves. In the context of processing and storing data, this method prevents access – even with administrator/root privileges – to insured party data.

Following the policyholder's registration via electronic ID, the Verimi ID wallet contains the scanned and stored ID card and the health card. Biometric processes, such as Face ID, ensure unique identification. As part of the approval procedure for interoperable user accounts of the Federal Ministry of the Interior, the Federal Office for Information Security (BSI) assessed the electronic identification process and the Verimi app-based authentication via PIN. Based on the documents submitted by Verimi, the BSI confirmed the substantially suitable level of trust in the process. The same technology – with appropriate modifications – is also used by BARMER.

With the BARMER-App and related online services, the health insurer already had an excellent digital service portfolio. In the future, BARMER policyholders will also be able to view their own patient records and e-prescriptions, for example, in the familiar app environment. As far as digital identities are concerned, BARMER is thus taking its policyholders a significant step ahead and, in addition, offering them the option of direct and secure authentication with their cell phones. The benefit: a secure process without usernames, passwords, and multi-factor authentication. The digital mapping and use of service processes in the health environment are simplified considerably.

With this initiative, BARMER is assuming a pioneering role in the healthcare industry – it is

developing a solution at an early stage to meet the upcoming legal and security requirements. At the same time, the solution is going to be as user-friendly as possible. BARMER's offering is therefore expected to be particularly attractive to many new customers.

"The introduction of digital identities allows our policyholders to have easy access to our online services with the highest level of security. We are pleased to have two experienced partners, T-Systems and Verimi, and their invaluable support in offering this user-friendly solution as soon as possible", says Roland Bruns, Head of IT at BARMER. The initiative sends a clear message to the entire industry and beyond to other market segments across Europe.

BARMER is one of the largest statutory health insurers in Germany. With over 8.7 million policyholders and around 14,000 employees, BARMER is one of the leading health insurers in Germany. The insurer covers treatment and care, launches initiatives for encouraging a healthier lifestyle and offers numerous services online. The award-winning BARMER-App offers policyholders a practical option to manage everything online. This includes, for example, conveniently filling out and sending forms, scheduling, and organizing preventive care and vaccination appointments, and viewing policyholder data.

BARMER

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en

Rethink the system: Transformation to a responsible AI-supported company.

ISG Provider Lens™ AWS Ecosystem Partners 2023: "Leader" in Consulting, Migration, Managed Services, and AWS SAP Workloads.

Discover the disruptions in the industry and ways to build a secure and resilient supply chain.

We are digitalizing and automating the process of EV station rollout and station management.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

Shaping automotive with future ready modern solutions in customer experience, Industry-X, SDV and modernization with cloud.

Both patients and physicians benefit from digital solutions. However, this requires effective data protection and data security policies.

Take advantage of the digitalization drive in the public sector: with Smart City, digital citizen services and secure cloud solutions.

Improve customer experience, operational efficiency, and security with end-to-end digital control systems.

ISG names T-Systems a leader for managed services and rising star for implementation and integration services.

PAC awards T-Systems as Best-in-Class in 8 categories for sustainability-related IT consulting and services in Europe.

ISG rates T-Systems as the leading provider for the SAP ecosystem in Germany.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/newsroom/futurepractice/issue-01-2021

Explore T-Systems' award-winning customer magazine with a new name, a new edition, but the same client centricity.

The future, like change, can be a terrifying prospect for many. But a futuristic outlook means that change becomes easier to embrace. In this first edition of the Future Practice magazine, you'll find exclusive insights into the digital future of business and society and the benefits of a sustainable outlook for the only planet that we inhabit.

When our customers dare to take a deep breath again, it doesn't just reveal a lot of hope, but also entails a clear request.

Catena-X is becoming the digital ecosystem for Europe's automakers. In the process, another major project is providing welcome obstetrics.

Is Customer Success Management yet another buzzword? Deep-dive into how it links your success to that of your customers.

The Covid-19 crisis led to a surge in digitalization. Know about why companies should continue to digitize afterwards.

Post Covid-19, how is the trade fair industry adapting? Our exclusive interview with Dr. Andreas Winckler, Chief of IT at Messe Frankfurt.

T-Systems provided an important link that solved the puzzle facing Austria's Graz University of Technology.

Digital technologies are transforming logistics and driving disruptive changes in the Pharmaceuticals and Chemicals sector.

A Chinese Megacity reduced CO_2 emissions by more than 5 megatons per year – with help from T-Systems.

BARMER digitized its manual processes covering 30,000 medical aids and 3,000 medical stores with support from T-Systems.

Comfort Charge relies on T-Systems' SAP expertise to keep batteries fully-charged and billing processes transparent.

Find out how a close collaboration between organizations and their customers can drive future business transformation.

Smarter welding: The AI Solution Factory simplifies quality controls for automotive companies.

How does one measure sustainability? With a sustainability dashboard. Know more about how T-Systems makes this possible.

The pandemic pushed organizations to innovate and responsive pilots, like T-Systems, navigated the choppy waters.

Safe, sustainable, efficient: The ITS World Congress 2021 in Hamburg provided insights into the exciting future of mobility.

Read about how a German federal state's cybersecurity policy set an example to other public institutions across the world.

How the capital market can contribute to sustainable business practices through environmental, social, and governance (ESG) requirements.

Find out why German regulating body BaFin recently released supervisory principles to monitor the use of Big Data & AI.

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/multimodal-transport-mobility-a

Streamlining mobility with data and AI in MaaS apps and simplifying the traveling experience

The Mobility-as-a-Service (MaaS) concept entails a transportation landscape where users can effortlessly discover, pay for, and plan their journeys across a multitude of transportation modes, all within a single platform. However, making this vision a reality depends on the effective mining and aggregation of vast and diverse data sources. Here is where T-Systems excels, offering innovative solutions that eliminate the need for repetitive registrations and provide travelers with unparalleled convenience and accessibility.

T-Systems recognizes that the key to unlocking this transformation, from complexity to accessibility, is the integration of artificial intelligence (AI). AI plays a pivotal role by comprehending traveler requirements and connecting them with available data, thereby creating a travel experience that is truly seamless and accessible. We are committed to utilizing AI's capabilities to ensure that travelers can effortlessly access and utilize services, regardless of their location. With T-Systems as your partner, you can navigate the evolving world of MaaS with confidence, knowing that your travel solutions are designed to provide a hassle-free and user-centric journey for all.

How mobility data and AI transforms local public transport: Experience urban mobility through the lens of AI.

We can improve your ticketing and revenue settlement systems together. Contact us about our digital, cloud, and security services for public transport companies.

GeoMobile GmbH's Mobility-as-a-Service (MaaS) platform redefines urban mobility by seamlessly integrating a region's diverse transportation services into a unified, user-centric experience. This platform empowers travelers to plan, book, and pay for their journeys, including buses, trains, car-sharing, and bike-sharing, all within a single smartphone app. With app's smart routing engine, it combines public transit with various transportation modes, ensuring passengers always find the optimal route. Underpinned by digital technologies, user interaction, and cloud-based platforms, this white-label app offers intermodal routing, customer engagement through push notifications, public transport ticketing, and seamless management of sharing services. It simplifies mobility, eliminates the need for multiple registrations, and fosters convenience while maintaining the regional transportation company's central role. Following its acquisition by T-Systems International, GeoMobile is poised to further innovate and expand its impact on urban mobility, promising even more integrated solutions for the future.

We're enhancing urban transport with solutions designed to empower passengers with diverse mobility needs via our mobile app. The passengers can locate the right vehicle, find door signals, leverage stop requests, and service requests to name a few. Clear announcements upon arrival and optimized route displays enhance the experience. Our digital data platform, based on open standards, ensures compatibility. Smart urban railways with data transmission and multimodal traffic management streamline your journey, even optimizing railway crossings at traffic lights. Our data-based traffic control contributes to better air quality by suggesting traffic adjustments. GeoMobile Accessibility is committed to creating an inclusive, efficient, and sustainable urban transportation ecosystem.

As part of the Climate Protection Master Plan, one of the pressing challenges we face is increasing the attractiveness of public transport to reduce the environmental impact of individual vehicle usage. Our solution lies in a digital data platform built on open standards, coupled with smart light rail vehicles featuring onboard units for data transmission. This enables multimodal traffic management, including the optimization of light rail vehicle crossings at traffic lights, all while actively and sensitively managing traffic data to improve air quality. The benefits are significant: reduced environmental impact, more appealing local transport with customer-friendly intervals and passenger information, improved traffic flow for bicycles, cars, and rail traffic, and a substantial contribution to the broader mobility transition, making our cities more livable and sustainable.

RealLabor Hamburg (RealLabHH) was a collaborative project funded by the federal government, which showcased innovative intermodal mobility solutions. With a focus on combating climate change, the project promoted eco-friendly modes of transportation, such as seamlessly integrating subway travel with electric scooters. Overcoming data interoperability and sovereignty challenges, RealLabHH, as a part of the National Platform Future of Mobility, demonstrated how technology could revolutionize mobility. Thanks to a simulator developed by Deutsche Telekom and T-Systems, data exchange among mobility providers occurred within a sovereign data space, allowing Hamburg residents to actively engage with and experience digital mobility services. The project's eight subprojects explored digital solutions to improve municipal transport systems, making them safer, more sustainable, comfortable, and reliable in various urban and rural contexts.

Envision your daily commute: it begins with a driverless car ride to the train station, effortlessly transitioning to an e-scooter for the final mile. Real-time updates and a user-friendly platform orchestrate the entire journey. We understand that consumers value the convenience and personalization MaaS offers more than the underlying technology. For service providers,

embracing the core components of MaaS; such as integrating secure systems, enabling cloud-based billing, and harnessing trusted data and analytics. With T-Systems as your partner, we empower providers to make public transport accessible, personalized, and attractive, ultimately inspiring more people to choose it over private cars. Welcome to the future of integrated, user-centric mobility.

URL: https://www.t-systems.com/de/en/industries/healthcare/topics/digitalization-of-care

How digital transformation is making it easier for the healthcare industry to deliver patient-centric care

Smart care beds, medication management, and remote monitoring: the digital transformation of care facilities is well underway. However, rising costs, shortage of skilled workers, and data protection concerns are slowing down the process. Nevertheless, it offers the opportunity to improve the quality of services and promote patient-centered care through digital technologies – with the right partner.

The digitalization of healthcare facilities including pharmacies, physiotherapy, and midwifery practices is of great importance. It enables more efficient management of patient data and appointments, ensures data privacy, and promotes collaboration between different healthcare providers. It also strengthens patient engagement by facilitating access to medical health records. Thus, leading to better healthcare and cost efficiency.

All the necessary components for operating the telematics infrastructure from a single source.

Ready for Care 4.0? Explore the wide range of options for care facilities. Learn more or ask our experts questions about your digitalization projects!

Legislators are planning to tighten security requirements in the healthcare and nursing sectors by setting up a Digital Advisory Board at gematik. This board will consist of representatives from various areas, including the Federal Office for Information Security (BSI). The move emphasizes the growing importance of data security in the healthcare industry as the risk of cyberattacks and data breaches increase . The integrity and confidentiality of sensitive patient medical data are essential when it comes to maintaining patient trust.

T-Systems offers comprehensive support for the digital transformation in all care facilities – from outpatient to inpatient services. This includes digital consulting services to develop transformation strategies, providing digital infrastructure and secure Cloud Services, and leveraging AI and data analytics tools to gain valuable insights from patient's health data. These measures support healthcare facilities in the efficient introduction of digital solutions, to relieve caregivers, and to improve the quality of care.

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/aws-migration

Accelerate your cloud migration journey together with T-Systems and AWS

Migrating your workloads to AWS imparts a high degree of flexibility and scalability, along with providing operational resilience. As a Premier AWS Partner, T-Systems can help customers unleash the true potential of cloud as well as provide a consultative roadmap on their cloud journey to AWS. The partnership brings together the depth of services from AWS and expert pool of resources from T-Systems to deliver successful cloud migration outcomes.

Get your customized blueprint for success with our Migration Readiness Assessment based on the AWS Cloud Adoption Framework. 1

The conditions in the Migration Readiness Assessment – Get yourself ready for AWS! flyer below apply!

Together with AWS, we have developed a seamless approch for a successful IT switchover. Our migration process strikes a balance between business needs and technical requirements. The start-up phase starts with standardized assessments, followed by designing the business case and migration plan in sync with the security requirements. In the execution phase, cloud migration factory teams (CMF) work in sprints to migrate the defined applications to AWS. Finally, in the continuous improvement phase, we support companies with rightsizing, cost management and operational improvements.

Give your cloud environment the right health check with our specialized security consulting assessment for AWS. Work with AWS security experts and get a guided roadmap.

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Hear our cloud solutions expert Nico Herzhauser along with Christian Blaas from AWS as they dive deep into the topic of cloud migration, highlighting the best practices and customer success stories. (Please click "settings" at the bottom right of the video to turn on English subtitles.)

Under the Migration Acceleration Program, together with AWS, T-Systems can help customers get started quickly on the AWS cloud, without any risks or downtime.

The Easy2Migrate program lets the customers opt in at any of the three stages – Assess, Mobilize or Modernize – in their cloud journey. At every step, customers have access to expert guidance to decide on the right next step. This is supported by fundings and credits at every stage, to instill confidence and help the customer transition smoothly into the cloud journey.

We simplify your transition to AWS cloud. Discover all about our cloud migration approach and expertise.

The monolithic database model is unfit to meet the ever changing demands of highly distributed applications. Move your commercial databases to build a more purpose-driven database model with the AWS Database Freedom program. The program is designed to provide quick scalability and enhanced application performance using the microservices architecture.

With 15 database engines and growing, AWS provides the broadest selection of commercial-grade, purpose-built databases that allow development teams to build and innovate faster on any application use case, at any scale.

The migration of IT systems into AWS requires time and needs experience. Together with AWS, we have created best practices for a smooth transition that we can also use to successfully and securely migrate your systems into AWS.

How we migrated business-critical SAP and other systems to the AWS cloud for the hospital

operator Mitra Keluarga.

By migrating the foundry's SAP environment to Amazon Web Services, BR Matozinhos has achieved 100% SLA availability

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/sosias-data-getting-starte

The founders of Sosias Data set the course for growth

The platform is very user-friendly: interested users can simply register on the Sosias website, input the framework parameters of their search with a few clicks, and, just seconds later, they will receive a corresponding list as an Excel file and pay specifically for the data that they have received. A real on-demand business model. What began as a student project on a single server underneath a desk, gained more and more customers, who were impressed by the quality and utility of the company lists. "Sosias allows us to automate tedious manual research work with the click of a button. We regularly use market overviews, comparisons, and lists of new customers for our portfolio companies," reports one of Sosias Data's customers. In 2023, the three founders from the Technical University of Munich wanted to take the next step, enhance their offer, expand their database, and acquire new customers.

At a glance

Previously, the founders of Sosias have been dependent on self-managed servers provided by a single host. This meant that the effort of maintenance fell to them and their opportunities to grow were limited. "If we want to keep growing, we need a platform that offers future perspectives. A platform that can keep up with our growth," explains Maximilian Reinhard. Growth – for Sosias, this has three dimensions: First, the database itself should be continuously expanded, for example, with data from European companies. Second, Sosias wants to use the database to offer its customers additional innovative services. Third, they want to acquire new customer groups. The team wants to be technically prepared for these additional requirements and have the ability to react to the expected increasing load – without having to make advance payment for services. Aside from this, the team at Sosias had one additional requirement for the platform: "Since we want to realize new business ideas that incorporate customer data as well, the platform has to offer maximum data confidentiality."

Our move to the Google Cloud will let us write the next chapter in our success story – data sovereignty included.

Maximilian Reinhard, Founder Sosias Data

During this phase, the Sosias founders heard about the T-Systems Sovereign Cloud powered by Google Cloud. "We'd been using tools from the Google ecosystem for our algorithms for some time. Among other areas, we also build on machine learning models and enhance them continually," explains Constantin Wild. "The Google tools are straightforward to use, and the APIs even let us integrate our service in customer environments."

Moving to Google Cloud was the next logical step for Sosias. In the process, they first migrated the production environment from the database in addition to existing applications. The development environment is likewise operated from the Google Cloud. With that, Sosias

received all the tools for development and operations from a single source. After migrating operations as-is, Sosias is adding new applications to the platform. It's just a short step from the public cloud version to the sovereign cloud.

Both sourcing options are based on the same technology, meaning that hybrid setups can also be easily realized. As soon as the new services require a higher level of data confidentiality, the Munich-based firm will move the corresponding sections of their application landscape into the sovereign cloud. The platform is exclusively operated by European staff, with the guarantee that data remains in Germany and that key management takes place outside the platform. This ensures that all regulatory requirements are met.

"With our move to the Google Cloud, we're on course for the future. We can grow in all three dimensions: with new products – even with sovereignty requirements, with a larger database, and with more customers," summarize the three founders. At the same time, the Google ecosystem offers the team a trusted and high-performance environment for the development of its services. The low financial risk to the three founders is also no small thing. Operation in the cloud generates only minimal operational costs. Costs grow with the load on the platform, but this also means new customers and increased revenue. A story that contains all the components of digitalization: a clever business idea, scalability with the cloud, future-proof operation thanks to a strong ecosystem – and in addition, the attribute "made in Europe."

The founders of Sosias Data set the course for growth.

"What other companies can we approach to sell our product?" A question that many companies looking to grow on the market ask themselves. For the most part, these types of tasks are given to interns, who then plow through the internet for company addresses, contact persons, and key financial figures. "We've done this ourselves often enough," explains Maximilian Reinhard, who together with Benedikt Reinhard and Constantin Wild founded Sosias Data in Munich.

"We wanted to automate and simplify these repetitive and formulaic research tasks. Why should people waste their time at work on tasks, which computers could process more simply and quickly? We wanted to develop a kind of Google for company data – a search engine that provides up-to-date company lists and company data to those responsible in sales and marketing, but also in the private equity environment," explains Benedikt Reinhard, his co-founder. Three years ago, the three students began developing an algorithm, which collated and continuously updated company information from various public sources. The result was a database, containing statements on over 3.5 million German companies.

To the customer website

Receive monthly digitalization trends, best practices, and analyses from across different industries as well as invitations to webinars and events.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/application-services/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to

subjects that matter to you and us – now and in future.

ServiceNow dedicates its growth trajectory to T-Systems' diligent business methods.

One of Germany's largest SAP system landscapes is moving to the cloud.

With this new certification by Microsoft, T-Systems achieves the highest standards, proving its solid expertise in deploying SAP on Azure.

Stable SAP landscapes and maximum performance are crucial for success. Why SAP Application Management is the basis.

One of Germany's largest SAP system landscapes is moving to the cloud.

Automate the management of containerized apps with the Managed Red Hat OpenShift Service on AWS (ROSA).

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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ServiceNowSherif Rezkalla, Vice President Portfolio and Head of Business Networks Deutsche Telekom AG, talks about the use of ServiceNow as the heart of the core processes and his experiences with the platform.

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SAP Circular Economy ShowcaseThis showcase demonstrates how an automotive company unlocks new value sources and increases business potential in a circular economy. Experience key components of a circular economy and learn how T-Systems' end-to-end SAP solutions support companies with product footprint management to optimize resource and carbon footprint in their operation.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/application-services/solutions/enterprise-application-services

More than a provider: with one holistic cloud offer, we partner with you on your journey to

modernizing your workloads

Aging legacy applications, labor-intensive and time-consuming application management, inefficient business processes, shadow IT, and multiple providers all amount to one thing: complexity. And it's that complexity that impedes agility and innovation. But how do you best navigate the workload options and speed up your modernization journey? How do you prevent costs from escalating? And how can you ensure accountability when things go wrong?

Get everything you need for your cloud application journey from one partner, from application transformation and management services to complimentary integrated solutions, all with built-in security. We help modernize your workloads, automate and simplify application management, build resilience, and improve transparency and agility. And let's be realistic, in huge application landscapes, there may be glitches in the corporate network that cause applications to malfunction. But with one sole accountability, we assume full responsibility for your application landscape and KPIs.

Our encryption services enable you to scale your IT ecosystem for an initial set-up of €4,999 plus monthly user costs.

When we discuss technology, it's always in the context of value. So, we start with the workload requirements, not the application. You may not want to lose legacy features developed over the years, but neither do you want to migrate problems to the cloud! We identify the best approach for each workload: modernize and re-host your legacy application, find a better cloud-native alternative, or build new. Throughout the entire application lifecycle, we focus on continuous improvement balanced with empathetic change management. Ultimately, we ensure high-performing apps that deliver superb experiences.

By choosing us as your enterprise cloud applications partner, benefit from:

Understand the different migration approaches and know what crucial questions to ask with our whitepaper: How to save millions when moving to SAP/S4HANA! Includes advice on best practices and a step-by-step guide to near-zero downtime migration.

T-Systems is more than a provider; we're your partner. We accompany your organization throughout your workload modernization journey. We can support your success with resilient, sustainable, and automated cloud operations with security at their core.

URL: https://www.t-systems.com/de/en/careers/students-and-graduates/direct-entry

You know what you want? Then enter directly into one of our specialist areas and become part of our agile team!

Do you like to be at the center of things when technology, markets, and companies change? Do you look forward to the varied tasks that a large corporation can offer? Then you are cut out for direct entry into T-Systems. We are looking for talents who bring along knowledge, curiosity, and ambition, and who like to work with people and technology, and take on responsibility. You can further develop your talents and knowledge with us. We have lots of opportunities.

As one of the leading providers of IT services in Europe with digital, cloud, AI, IoT and security solutions for both companies and the public sector we offer entry options for Junior IT Consultants, Junior Software Developer or Junior IT Architects among others.

Curious? Find your entry-level job on our job board.

Do you have questions regarding entry with us? I am happy to help.

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/planning-disposition

Access the future of transportation planning and disposition with T-Systems' AI

In the digital era, data and AI transform transportation networks, boosting efficiency and elevating the passenger experience. Our planning optimizes resources, cuts costs, and improves services. Real-time adjustments adapt to changing demands, ensuring smoother operations and passenger satisfaction. At T-Systems, we empower the transportation providers to excel.

In the world of transportation, service planning, personnel coordination, vehicle logistics, and vehicle deployment are essential pillars of a functioning system.

Ready to experience a more efficient transportation system? Contact T-Systems today, and transform your transportation operations with AI.

How can a city's public transport be made more appealing and environmentally friendly in accordance with the climate protection requirements contained in the framework plan? T-Systems addressed this challenge with a visionary solution: a digital data platform built on open standards. This platform combined smart light rail vehicles with onboard data units and optimized traffic management, which included coordinating light rail vehicle crossings at traffic lights. This improved air quality and reduced environmental impact. T-Systems' multimodal, intelligent, and sustainable digital traffic management was the catalyst for this transformative journey towards a greener, more accessible urban environment.

Fleet management has evolved significantly with the implementation of telematics systems, offering a transformative approach to tracking, and managing vehicle fleets. These advanced systems enable the optimization of routes, resulting in reduced fuel consumption and enhanced operational efficiency. Moreover, operational dashboards provide real-time insights into vehicle health, fuel efficiency, and maintenance schedules, allowing for proactive maintenance and ensuring that fleets run smoothly and cost-effectively. Telematics systems have become indispensable tools in modern fleet management, delivering tangible benefits in terms of cost savings and operational effectiveness. At T-Systems, we help organizations harness the full potential of telematics, optimizing their fleet operations for a more efficient and sustainable future.

T-Systems is enabling the implementation of an efficient call bus service through accurate traffic demand estimation. By leveraging the door-to-door software, we conducted a comprehensive potential assessment for the ridesharing service, defining the most relevant service area. By analyzing source-destination data within specific traffic quadrants and considering different day types and hourly patterns, we provided the county with valuable insights. These insights, integrated into the door-to-door software, have allowed for the quantitative determination of the call bus service's business area, ensuring a well-informed and optimized mobility solution for rural residents.

URL: https://www.t-systems.com/de/en/application-services/solutions/servicenow-solutions/servicenow-val

Derive value from continuous IT improvement with ServiceNow QuickChecks for shoring,

automation and quality

Assessment packages from a ServiceNow Elite partner

Intelligent shoring and workflow automation

Backed by T-Systems Quality Framework

ServiceNow lifecycle management brings along a regular schedule of releases, upgrades, and rollouts. Introducing the ServiceNow QuickChecks for Automation, Quality and Best Shoring to optimize your ServiceNow usage. T-Systems was recently awarded two leadership positions in the ISG Provider Lens™ for ServiceNow Ecosystems partners. As a certified partner, T-Systems carries proven expertise to make your ServiceNow landscape perform better.

Best Shoring QuickCheck1

Holistic Automation QuickCheck1

System Quality QuickCheck1

The offers are only valid for business customers of T-Systems International GmbH and are subject to availability. T-Systems reserves the right to limit the offer and deny requests. All prices are net prices quoted exclusive of VAT at the applicable rate. Enhancements beyond the mentioned scope will be charged as additional effort.

Find all information about our ServiceNow QuickCheck offers in one document

URL: https://www.t-systems.com/de/en/security/topics/cyber-resilience-and-recovery

Businesses don't just need to prevent cyber-attacks but also need to reduce the impact and recover faster from them

Every business needs solid cyber defence to protect against threats, but the right approach lies in being pragmatic about the threat landscape and having resilient measures. Cyber risks like malware attacks, ransomware, internal risks, etc. are always looming over a business, waiting to strike. Hence, businesses must go beyond data protection and focus on disaster recovery.

There are about half a million new pieces of malware detected each day1. The average time to contain a security breach is about 287 days2. The longer it takes to contain the breach, the longer the downtime will be. It puts brand reputation at stake, draws compliance fines, and incurs financial losses. This highlights the importance of resilience – the faster you respond and recover, the faster your systems are back and running. We help businesses strengthen their cyber resilience and help cyber recovery by reducing the impact of cyber incidents.

In this white paper, find out how a business can protect against disruptions like cyber-attacks, and what cyber security measures can be established.

The benefits of building a resilient business are protecting critical infrastructure, enhanced data security, ensuring a quick cyber recovery from the downtime of systems, reducing financial losses, and improving risk management. Businesses embarking on a digital transformation can confidently take up initiatives knowing that they have managed to reduce risks and created

resilient systems. Moreover, customers and partners perceive resilient companies as more trustworthy as these businesses have a good cyber defence and a solid recovery plan marked out. How ready is your business to withstand a disruption and recover from it quickly?

A sophisticated security strategy requires a holistic approach. Our services such as Microsegmentation limit the attacker's movement and help to contain the impact of the attack. A Secure Service Edge framework ensures uniform location-independent security standards. Our Managed Detection and Response services help you to identify and mitigate threats faster. All these services are aimed at creating a comprehensive security capability so that your business remains agile and facilitates continuity in times of disruptions. Through our broad security portfolio, we can support your individual business needs.

1 A Not-So-Common Cold: Malware Statistics in 2023, Bojan Jovanovic, 2023, Dataprot.net2 Average time to detect and contain a breach is 287 days, VentureBeat, 2022, Venturebeat.com

If you are looking to protect your infrastructure and prepare a cyber resilience strategy to recover and restore data faster, we can help your business prepare a holistic strategy. Talk to our experts today.

URL: https://www.t-systems.com/de/en/strategy-and-consulting/solutions/transformation-and-innovation-co

A clear transformation strategy can drive your company's sustainable growth. With our advisory partner Detecon, we establish the right framework for you to thrive.

Regardless of how big the business is, innovation broadens the growth spectrum and makes it easier to achieve. Strategic initiatives to drive this change are pivotal to the success of the organization. Therefore, it is our mission to bring customer's strategy to life by transforming ideas into real business impact. T-Systems, together with Detecon focuses to empower employees and integrate customers to nurture strategic organizational change.

What role does a well-defined digital strategy play in your company's growth, competitiveness, and resilience? With our digital strategy framework, we assist you in building situational awareness, identifying critical digital domains of action, and determining how to make the most meaningful progress.

Customers experience, marketing & sales: We help our clients to create and maintain an exceptional customers experience in terms of digital business models and a holistic customer-centric approach. Creating customer-centric value for innovation-driven growth.

Digital engineering center: Together with our customers, we build forward looking solutions in the areas of cyber security, Co-innovation, data analytics and Industrial IoT.

Corporate & digital strategy: We empower our customers to realign their platform economy, ecosystems, playing fields, directions, rules & resources of the company.

Innovation management: We create co-innovating spaces for companies to survive in the digital future. We assist them to focus on their internal talent and technology pools that can produce promising innovations and are open to upcoming ecosystem changes.

New work, agility & culture: We focus on building appalling and stimulating work environments while at the same time promoting high functionality. The work must be made more agile to

remain creative and value creating.

Together with Detecon, we offer comprehensive technology consulting services encompassing industry spectrums. Our solutioning approach focuses on co-innovation & immersive collaboration. Would you like to know more? Get in touch! Our experts will be happy to help you.

URL: https://www.t-systems.com/de/en/artificial-intelligence/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

Navigating AI adoption challenges in enterprises – learnings from the past to shape the future.

ChatGPT, hyperautomation, robotics – AI enables many innovations. But when dealing with AI, we need to think in a new way.

T-Systems supports you on your path to innovative AI applications like ChatGPT.

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/success-stories/cloud-and-infrastructure/sovereign-cloud-powered-

Interview with Staff Engineer, Philipp Schmidbauer on the benefits of T-Systems Sovereign Cloud powered by Google Cloud

Using the public cloud and reaping its benefits is more complex than it appears, considering that in Europe, protecting sensitive data is the top priority, and is therefore embedded into laws and regulations. With its unique approach, T-Systems Sovereign Cloud powered by Google Cloud addresses these issues and offers full compliance with the requirements of German regulators while retaining the public cloud functionality of a hyperscaler.

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As the first customer to entrust T-Systems and Google Cloud, Philipp Schmidbauer, Staff Engineer at Haiilo GmbH, shares his first-hand experience with the cloud. Haiilo was able to make the transition from on-premises to the cloud, thanks to the solution, which allows them to host their data on a sovereign cloud while still leveraging the scalability and reliability of modern cloud technologies.

(Video in German with English subtitles. Please click "Settings" at the bottom right of the video to turn on English subtitles.)

With over 1,000 international customers, Hamburg-based Haiilo is a SaaS provider of communication solutions focused on empowering its customers to align their workforce, improving employee engagement and increasing workplace productivity.

Haiilo

Full public cloud functionality for your digital transformation – full sovereignty included.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/application-value-management/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how our application value management solutions are used to increase flexibility, productivity, efficiency and quality.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

SachsenEnergie AG consolidates systems on BW/4HANA, achieves high performance gains in mass data analysis.

Thorsten Schütz and Sabine Fock from Klinikum Itzehoe share their experiences with the iMedOne hospital information system of Deutsche Telekom.

BARMER entrusts T-Systems and Verimi with the implementation of digital identities with high-security standards.

The 5G campus network enables the use of automated guided vehicles.

The Free State of Saxony has opted for a hybrid solution using Pega and SAP for budgeting, cash management, and accounting.

Groundbreaking platform for managing electrical charging infrastructure.

The State of Brandenburg is building on dynamic SAP operation.

The State of Brandenburg relies on T-Systems for help with its two-step concept for a modern SAP landscape.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/azure-managed-cloud-service

Extend and connect your datacenters with Azure

With CloudConnect for Azure, Telekom and T-Systems offer Azure Cloud Connectivity with compelling SLAs to seamlessly connect customer networks with their Azure networks. CloudConnect for Azure is a member of the Managed Cloud Services for Azure family.

CloudConnect for Azure is available in various bandwidth and deployment options. Telekom offers the Layer-2 physical connection from customers network edge location to Telekoms' Cloud Gateway platform. Same bandwidth and resilience of the connection is then provided via a shared medium connection back to Microsoft Azure Network backbone (Provider mode). Bandwidth demand greater than 10 GBit/s are built on Azure ExpressRoute Direct and connects the customers network edge location with the Microsoft Azure Network backbone via Telekom managed Azure Networking resources (Connect-through mode). Both deployment options provide a private routing and a Telekom SLA-backed resilient CloudConnect for Azure, built with Microsoft ExpressRoute.

Companies benefit from the excellent network platform from Deutsche Telekom AG and Microsoft Azure to run their applications in the cloud and provide premium application performance to users. CloudConnect for Azure eliminates Site-2-Site VPNs over the Internet (avoiding bandwidth peaks) and provides the premium bandwidth to enterprise critical application demands. CloudConnect may help customers fulfill regulatory and/or security compliance to host application data on-premises too.

Collaboration with customers, co-designing, and co-operating applications and achieving common set goals in a partnership is our approach to help our customers to succeed in disruptive marketplaces and build composable organizations and applications.

Running composable applications in distributed clouds requires secure, scalable operations model and automated deployment in any cloud location. Managed Cloud Services for Azure provides easy to consume lifecycle management for distributed applications and their network requirements.

Azure constantly develops new features in the realm of networking and security, which means that nowadays, it has become a rather complex topic requiring deep knowledge and experience. For different use cases, different components can be combined to build a complete solution. In addition to the Foundation and Advanced layer of our Managed Cloud Services for Azure, organizations can obtain consulting services in Networking and Security.

CloudConnect for Azure offers:

This white paper helps you learn about the various factors that are crucial for a successful cloud transformation and illustrates how you can maximize cloud's potential.

We are happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/contact/digital-innovation-workshops

Familiarize yourself with digital technologies in a creative atmosphere and open up new opportunities for your business

Would you like to familiarize yourself with exciting digital trends? Develop new use cases which will make your company more efficient and resilient, and create more added value? In our workshop, you experience innovation in real time – on site in the T-Systems Innovation Center, in a virtual space, or as part of a hybrid event. Our experts lead you through the material in a way that is easy to understand, all the while keeping sight of your challenges, opportunities, and goals.

Every company is unique and has its own individual ambitions. In order to inspire customers with suitable topics and provoke lively debate, we develop individual, interactive workshops. At the center of our workshops are short presentations, live demos, and showcases on current digitalization trends, such as blockchain, Internet of things, new work, or smart farming. Through active listening and other methods, such as design thinking approaches for example, our experts show you how to master your challenges using digital solutions.

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In our Innovation Expert Sessions (up to 90 mins), we offer the opportunity to explore digitalization trends, upcoming business challenges and new solutions with us, aiming to inspire you and to identify areas for innovative action.

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Our Semi-Virtual Workshop (3-4h) invites you to pilot a camera robot and to have a look around in one of our "real life" innovation centers and to interact with us from afar. In this workshop format, we combine livestreamed moderation and show case presentation from an innovation location with interactive collaboration and co-creation elements facilitated by digital tools in order to generate new ideas, use cases and implementation approaches to drive your business.

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For a fully immersive workshop experience (3-4h) let us welcome you to our Virtual Innovation Center. Meet our experts "a-2-a" (avatar-to-avatar) and become part of a full-fledged virtual innovation workshop which focuses on learning from one another, experiencing live innovation and defining concrete activities to utilize new innovative solutions in your business context.

* Field required

Inspiring insights relating to the digitalization of the automotive industry

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to your industry and us – now and in future.

T-Systems brings manufacturers and suppliers into the automotive industry's data ecosystem.

T-Systems offers NVIDIA Omniverse, running on a sovereign European cloud platform.

T-Systems brings manufacturers and suppliers into the automotive data ecosystem.

Catch our guest blog by ServiceNow on a new solution that's set to speed up the installation of EV charging stations.

Combining the Blockchain Technology with IoT offers a lot of opportunities in the mobility sector.

Mobility analytics experts at Telekom catapult intermodal travel from theory into practice.

Details from the PAC study "Fast-track to software-defined vehicles" and the expert discussion are now available as a webinar recording.

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Cockpit Talk at IAA Mobility 2023: Digital Loop accelerates software-defined vehiclesIn this episode of Automobilwoche's Cockpit Talk, the host Angelica Suri and her guest Christian Hort, Senior Vice President Automotive at T-Systems, dive deep into the world of the "Digital Loop" showcase on-site at IAA Mobility 2023.

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Panel Discussion at IAA Mobility 2023: Unveiling the future of vehicle homologation Pioneering Innovation and Advancing Technology - IAA MOBILITY 2023.

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IAA Mobility 2023: Homologation with Digital LoopT-Systems and partners from the Digital Loop project group present a new solution that significantly speeds up the process of homologation for cars: Virtual homologation for Software Updates. The German Federal Motor Transport Authority approves new car models for road traffic. The so-called homologation takes several months. The Audi A4, for example, will then be approved for road traffic for the entire series – so

far. In the meantime, however, cars have become computers on four wheels. And computers need software updates. Cars will soon receive several updates per month. Some of them are relevant for safety – and require a new approval from the Federal Motor Transport Authority, for example in the lane departure warning system. If each of these updates takes weeks to be approved, safety-relevant functions will be released into cars far too late. The solution to this is the Digital Loop.

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SAP Circular Economy ShowcaseThis showcase demonstrates how an automotive company unlocks new value sources and increases business potential in a circular economy. Experience key components of a circular economy and learn how T-Systems' end-to-end SAP solutions support companies with product footprint management to optimize resource and carbon footprint in their operation.

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Connected Cars Use Case: Over the Air Updates with AWSConnected Cars on their way to software-defined vehicles: a sophisticated software update management system (SUMS) is not only important for a great user experience, differentiation and the rollout of new services into cars in the automotive area, but it is essential to fulfil regulatory demands. Watch our case study video and find out how AWS cloud can serve as a powerful, scalable, region-overarching backend for the SUMS.

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/email-us

Would you like more information on our offers? Do you have specific questions? Would you like a personal consultation? We are happy to help you!

Call us free of charge*:00800 33 090300

* from the following countries: Austria, Belgium, Denmark, France, Germany, Great Britain, Luxembourg, Netherlands, Norway, Poland, Portugal, South Africa, Spain, Sweden and Switzerland.

You can also contact us online – simply fill out the contact form. One of our experts will contact you as soon as possible – by email or telephone, however you like.

We are looking forward to contacting you!

Your T-Systems team

* Field required

URL: https://www.t-systems.com/de/en/events/digital-x-2023-596608

One city – two days – four quarters: A look back on the third world exhibition of digitalization with images and videos

The event where cafés, bars, restaurants, and hotels became exhibition stands, networking areas, and stages. This year, too, the world exhibition of digitalization took place in mid-September right in the heart of Cologne – the DIGITAL X 2023. T-Systems was there once again, when the center of the Rhine metropolis was transformed into the city of the future for the third time in a row.

There is no standardized solution for digitalization. We have the technology and it's ready to go. The question is, how best to implement it – for your specific needs, challenges, and goals. We discussed together how we could implement the technology to create the most effective combination of the most high-performance and modern digitalization tools. We are delighted that you were a part of DIGITAL X 2023 and that together with us you experienced tried-and-tested solutions, functioning use cases, and resilient technologies and that you personally exchanged ideas with digitalization experts.

Process your €49 Ticket subscriptions in-time using our RPA solution as managed services.

Experience new edge digitalization of intralogistics with T-Systems' 5G autonomous logistics solution.

Ensure data compliance in Europe with Cloud Privacy Service.

Give your cloud environment the right health check. Work with our AWS security experts and get a guided roadmap.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/gated-content/building-a-supp

Discover the disruptions in the industry and ways to build a secure and resilient supply chain

The Covid-19 pandemic jolted the supply chain industry like no other disruption has ever managed to. Most businesses suffered due to a broken supply chain. After three years, the supply chain is almost back on its feet. But disruptions like cyberattacks can still bring operations to a standstill. How can businesses avoid disruptions? How can they become more secure and resilient? Read this white paper to find out answers along with case studies.

* Field required

URL: https://www.t-systems.com/de/en/intelligent-automation/solutions/hyperautomation

Transform and accelerate complex business and IT processes while achieving enterprise digitalization goals

Hyperautomation brings together several components of process automation, integrating tools and platforms that can amplify the ability to automate work, save costs, speed up the process of

digitalization, and can be scaled up to drive end-customer experience. It includes RPA (robotic process automation) at its core followed by layers of advanced technologies such as artificial intelligence, process mining, analytics, and other advanced tools.

Native automation and modernization are often slow and costly. Many enterprises have automation platforms partly in place but rarely cover comprehensive scope or end-to-end processes or services. There is a lot of bottom-up, selective automation that is de-central, thus rather intransparent, not scalable, and leads to serious follow-up risks and efforts. At T-Systems, our strong association of robust partners, innovative platforms and architectural frameworks, and hands-on experience in implementation with proven records makes us an ideal technology partner for your digital transformation goals.

A key to putting your business into digital fast-track with experts from Pegasystems and us: #Fastlane2Digital!

We focus on delivering intelligence and value into every digital process that includes:

Our scalable RPA managed service lets you handle €49 ticket subscriptions on time.

Hyperautomation is solving some of the biggest headaches for IT architects and data scientists.

Design thinking, automated and matured

Automation, re-usable assets, lower costs

High capability, skilled teams

New tools and platforms

From automation consulting to design and operational support, our experts have proven experience, road map stategies to drive amazing results for your enterprise. Get in touch!

URL: https://www.t-systems.com/de/en/newsroom/news/market-launch-for-catena-x-619296

Automotive industry data ecosystem now available to all

The test phase is competed – now Catena-X is available for everyone. After a test phase with around 50 participants, the automotive industry's data ecosystem Catena-X is now on the market. The first certified complete package for connecting to Catena-X comes from T-Systems. Customers register once with Catena-X – T-Systems takes care of everything else. T-Systems advises customers, connects participants and accelerates data exchange. As the Gaia-X Digital Clearing House, T-Systems also verifies new participants for Catena-X.

Catena-X enables more resilient and flexible supply chain management. Thanks to end-to-end digital documentation, manufacturers can, for example, determine the entire carbon footprint or trace individual parts. As the example of car recycler LRP shows, transparent supply chains provide the answer whether it is worth to recycle a car or not. Standardized data exchange and cross-company applications offer all companies - from small and medium-sized enterprises to large corporations - investment security and strengthen their competitiveness in the long term.

More information about the T-Systems offer

More information about the Catena-X apps

Set the course for sustainable and resilient company networks now.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/industries/public-transport/solutions/smart-station-smart-vehicle

Harnessing AI and IoT for workload management, object and threat detections, and vehicle-IoT integration

In the dynamic landscape of transportation, the convergence of cutting-edge technologies is reshaping the way we perceive smart stations and smart vehicles. These innovative solutions, driven by AI-based workload management, object detection, threat detection, and seamless vehicle-IoT integration are revolutionizing the efficiency, safety, and interconnectedness of our transportation systems. Explore with T-Systems to find out how these advancements are poised to redefine the future of mobility.

T-Systems is poised to be a pivotal partner in the development of smart vehicle solutions for public transport in Europe and beyond. Leveraging our extensive expertise in Data, AI, IoT solutions, connectivity, and digitalization, we can provide comprehensive support in designing and implementing cutting-edge smart vehicle systems. Our solutions encompass real-time data analytics, vehicle-to-infrastructure connectivity, and passenger information systems, all aimed at enhancing safety, efficiency, and passenger experiences. With a commitment to sustainability and innovation, T-Systems is well-equipped to collaborate with transportation authorities and companies to usher in the future of intelligent and interconnected public transport systems globally.

A digital train station gathers and analyzes data in real-time, enables dynamic passenger information, and steers processes in an intelligent manner.

Let's explore how we can transform your transportation systems together. Get in touch and find out how we can help public transport companies, with their AI, IoT technologies, cloud, and security needs.

In the quest for innovative intermodal transportation solutions, the emergence of self-driving minibuses presents the challenge of stringent transportation safety monitoring, alongside the critical need for compliance with data privacy laws. To address these imperatives, T-Systems offers Computervision – an AI-driven object recognition solution that facilitates real-time video data analysis on board. It anonymizes the data, allowing transmission to the customer's back-end system or optionally to the Open Telekom Cloud, with an accompanying dashboard for comprehensive historical and real-time analyses. This solution significantly enhances safety within autonomous, on-demand mobility services, all while ensuring the utmost data privacy compliance.

In the face of various challenges, including a significant decrease in ridership and rising operating costs, U.S. mass transit companies need a swift solution. T-Systems offers an effective remedy: the implementation of temperature scanners in buses and office buildings, along with a dedicated app for potential infection detection. These independent systems,

featuring Android 8-inch tablets, swiftly restore passenger confidence and prevent revenue losses. This efficient setup, realized in just about 40 days, not only supports the adaptation to the "new normal" but also ensures minimal maintenance and follow-up expenses, highlighting T-Systems' commitment to assisting local transport companies and their passengers. While the direct impact of the pandemic has decreased, the application of such a solution continues to have far-reaching effects on public health and safety in public transport.

Travel, stopping for a bite to eat, shopping. Different needs are encountered in train stations. Larger volumes of passengers on existing areas need to be balanced with a relaxing stopover. Our set of manageable expansions to the existing technology, such as cameras, IT-based object recognition, and WiFi access adjusts several parameters at once. It is possible to minimize the facility management costs, optimize space management, and allow passenger routes to be managed more effectively. They effortlessly guarantee service, safety, cleanliness, and seamless processes.

T-Systems is driving the transformation of urban mobility by seamlessly integrating onboard units into over 750 trams and buses. These onboard units, alongside the innovative Onboard App AssisT, facilitate real-time passenger information, ticket validation, and driver communication with the control center. This technology is a game-changer for transport operators in cities like Dortmund (DSW21), Bochum (Bogestra), and Herne/Castrop-Rauxel (HCR/Castrop-Rauxel), enhancing the passenger experience and enabling data collection for insightful big data analyses. With a modular software architecture that extends its utility to bus stops and beyond, T-Systems is poised to revolutionize urban transportation well beyond the German market.

Efficient station management is crucial for the seamless operation of transportation hubs, encompassing various critical systems like elevators, escalators, and fire alarms. T-Systems offers a comprehensive solution to simplify station management by consolidating these disparate systems into one centralized platform. With our expertise, we enable efficient control and monitoring of the entire station ecosystem, ensuring optimal functionality, safety, and responsiveness. T-Systems provides the tools and technology to streamline station operations, enhance passenger experiences, and ensure the reliability of critical infrastructure.

URL: https://www.t-systems.com/de/en/data-intelligence/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how our data intelligence solutions are used to increase flexibility, productivity, efficiency and quality.

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URL: https://www.t-systems.com/de/en/industries/automotive/solutions/connected-mobility-hypercube

Take advantage of accelerated software innovation, reliable operations and deep insights into vehicle and driver data

Counteract limited developing capacity for software development and exploding costs for service and platform operations. Hypercube enables automotive manufacturers and fleet operators to take advantage of automation and standardization for non-differentiating software components to achieve accelerated time-to-market for new features. Hypercube is specifically "designed for run" to ensure efficient operations along the complete software lifecycle.

Our long-term experience in large and international connected car projects shows a similar challenge at most of our clients: valuable development time is spent for software components, which are reusable across vehicle generations, brands or even across OEMs. A smarter approach is "Build, buy, and compose". Free up your capacity to develop differentiating connected car services and deploy standardized software modules for all recurring tasks whenever possible. This solution also decreases time-to-market for new services and improves feature and product quality. It's name: Hypercube!

The production-ready software components of Hypercube build the backbone for cross-domain automotive software lifecycle management. All cubes are designed in a modular and configurable approach. Depending on your strategy, you can choose selected cubes as enablers and accelerators to integrate them in your own connected car platform. Or you go for an end-to-end product approach as license or managed service model. Either way: Our T-Systems experts are happy to support you with deep consulting, customization and implementation expertise.

No question: Functions, features and processes are important and currently the key focus of software-defined vehicle initiatives. But finally it is the reliable thus cost-efficient operations, 24x7/365 of double-digit millions of cars, what makes the difference. This is where we set ourselves apart: With over 10 years of experience and more than 30 million vehicles worldwide under management, T-Systems is THE European leader for connected car services operations. Hypercube is built on this expertise and "designed for run", so you can scale fast and operate your fleets at reasonable cost.

Tool for software and configuration management, inventory management, fleet management and user and access management.

Individual virtual representation of a vehicle and its behavior to facilitate data-driven services.

One-stop shop for fleet analysis and end-to-end lifecycle management of connected vehicles.

Low-code solution to create, adapt and implement process workflows.

Automated, quality-assured and secured assembly of vehicle software packages.

Active management of the complete software lifecycle (development, testing and release).

We would be happy to provide you with the right experts and to answer your questions about Hypercube, our solution for cross-domain automotive lifecycle management. Get in touch!

URL: https://www.t-systems.com/de/en/artificial-intelligence/solutions/artificial-intelligence-and-data-analyti

With data analytics and artificial intelligence (AI): What companies can get out of their data

Almost nine zettabytes of data will be stored by 20241 – an inconceivably large amount of information. Much of it is already hidden in documents and applications or completely unstructured in e-mails, pictures and videos. There is enormous potential here for greater efficiency or even for completely new, data-driven business models with artificial intelligence. But many companies do not have an overview of the available data - and thus miss many opportunities.

The more data companies collect from different digital sources, the greater the uses they can put it to. Data-driven companies have recognized this and have firmly anchored AI as DNA in their corporate strategy. Their focus is on intelligent data analysis. With predictive analytics, future events can be predicted, their immediate impact on the business can be predicted and the processes involved can be handled accordingly.

The fields of application for artificial intelligence are diverse and innovative. In medical research, AI helps to decode genomes. In autonomous driving, AI helps to better assess the traffic situation and avoid accidents. And in Industry 4.0, intelligent robots ensure automated and thus significantly faster production processes.

AI enables insurance companies to settle claims digitally in real time: In the event of a car accident, the affected parties document the damage using an app. They record the condition of the vehicles with their smartphone camera. Using live streaming video, algorithms automatically establish who is responsible, determine the amount of damage and the repair costs for the

vehicles involved. The insurance app records the entire inventory and provides assistance via chatbot, for example by notifying the towing service or organizing a rental car.

Would you like to find out how you can use big data and artificial intelligence in your company to set up new business models, accelerate innovation and thus increase your turnover? With T-Systems, you can transform into a data-driven company. Together with you, we will assess your data landscape in workshops:

We will show you what you can achieve with your data. In close cooperation with you, we identify future-proof use cases for AI - for example for intelligent machines in production, chatbots in customer service or autonomous transport systems. We implement these in your company and take over the operation, development and maintenance of the AI solution.

Our experts and enterprise architects have years of experience from various AI projects. They know exactly what is important when it comes to data management and application integration. Our data scientists train your systems to recognize patterns - catchphrase: machine learning. They design models and define characteristics in order to analyze your data optimally.

Thanks to our comprehensive partner ecosystem, we are familiar with all technologies related to big data and artificial intelligence. We are familiar with databases and data warehouses. In doing so, we act independently of manufacturers, so that a vendor lock-in can be avoided. We also offer you exactly the best-of-breed solutions that fit your needs. In a way that is cost-efficient, fail-safe and is conforms to compliance and data protection requirements. Cybersecurity and data protection are integral parts of T-Systems' DNA. For us, data security is the top priority in AI projects. This is ensured by our high-security data centers in Germany or the extensive know-how from our Security Operations Center (SOC).

1 IDC study "Global StorageSphere Forecast", 2020

Transform your company into a data-driven company. We assist you with the design, planning and implementation of your data journey and take over the management and secure operation of your data landscape.

URL: https://www.t-systems.com/de/en/careers/why-t-systems/your-development

With our training and development programs, you can make sure you're always on the ball

What's hot off the press today will already be old news tomorrow. We know that the challenges in our field are constantly changing and we need well-educated colleagues to overcome them. This is why we offer development opportunities to cater for all of our colleagues – whether you are just starting working life or joining us in an managerial role.

Would you like to obtain your bachelor's or master's degree and work at the same time? Our degree programs cover the fields of information and communication technology, business informatics, and even economic sciences. We help you manage your time and offer you financial support.

Plan and structure your development goals with your manager and advance your career at T-Systems. You decide whether you would like to enhance your existing professional skills to allow you to take on new and complex tasks (vertical development) or develop skills towards another specialist role (horizontal development). You decide what benefits you.

We encourage talented colleagues throughout the group and the company. This means that you can gain insights into top management through measures such as job shadowing, business talks and cross mentoring. As well as this, you can benefit from a large network. As part of the succession process, there is a wide range of career paths open to talented candidates.

Gather valuable overseas experience with our group-wide employee development program – X-Change. You will work abroad for up to 6 months and will learn what the daily work routine looks like in an international environment. This allows you to benefit from an intercultural exchange with colleagues from across the globe and to support them with your expertise.

Are you motivated, talented and wanting more? We offer high-performing employees the opportunity to take on more responsibility and to develop the skills to become a manager. You will be able to choose from numerous different learning modules and can therefore create your own personal development path. This will allow you to benefit from guidance from experienced managers, establish valuable contacts with fellow participants and expand your career network – all of which will provide the ideal preparation for your first management position.

Our working environments are changing: digitalization and the constant transformation of the Group present challenges that you will have to overcome as a manager. Management in itself is always being redefined. Mobile or agile working also places new demands on managers. Our training catalog provides you with the tools to adapt along with these changes.

We offer attractive jobs for every career level – in a global network, with innovative technologies and a new-work environment.

URL: https://www.t-systems.com/de/en/content-and-collaboration/solutions/enterprise-content-managemen

Empowering your digital transformation with Enterprise Content Management (ECM)

ImageMaster has covered a wide range of use cases as an ECM system for over 25 years, including digital document management solutions, audit-proof archiving, and the digitalization of corporate processes. Unmanageable data volumes, incomplete implementation of compliance requirements, and manual processes are a thing of the past. You can look ahead competitively using ImageMaster.

A solution for all document-related challenges, whether company-wide or departmental, as a stand-alone application or integrated into other applications, document or process-related.

Immerse yourself in the world of ImageMaster

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Where is ImageMaster used and how versatile is it?

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our privacy policy.

Invoices in SAP, contracts in SharePoint, a stock of business-relevant e-mails, presentations on the company drive and much more. How can you keep track of everything?

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With ImageMaster, you can search and export client-related GDPR data and legally adhering to rules when deleting GDPR data.

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Digital long-term preservation is essential for most of the companies in many areas – as well as for the management of 3D-CAD-objects.

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Safeguarding of access to e-mails of employees retiring the company is generally not in focus – an often-underestimated risk!

"With the ImageMaster team, we work together in an agile manner and have been able to reduce the provisioning time of new ECM services by a factor of five."

Oliver Dreher, Head of Digital Archive Airbus

"Thanks to digital invoice receipt processing with ImageMaster and Kofax Capture, we save ourselves a lot of time and money."

Süleyman Kücük, Team Leader IT Baosteel Tailored Blanks GmbH

"We have long integrated ImageMaster seamlessly into our ICIS product and inventory management system through our service architecture, and this has not only allowed us to increase the number of digital processes, but also to make the digitization of our insurance-related business processes very efficient."

Christoph Roth, IT Operations Department Director, Württembergische Gemeinde-Versicherung a.G.

Customers migrating to S/4HANA realise considerable savings if they archive their SAP data prior to migration. By reducing the load on the database, migration, infrastructure and database licence costs are reduced.

Baosteel Tailored Blanks uses the Kofax Total Agility automated solution for invoices.

Learn how you can implement the DSGVO requirements in your company with the help of ImageMaster.

We build the missing bridges in your infrastructures and business processes through automated workflows.

For effective working with standards and technical documents.

For homologation and registration purposes with vehicle manufacturers.

We would be happy to provide you with the right solutions related to planning, implementing, and maintaining your digital document management.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud

Drive speed, agility, and innovation using public cloud

Public cloud offers businesses a wide range of cloud services and resources, such as virtual machines, storage, databases, and networking, as well as access to powerful analytics and artificial intelligence (AI) capabilities. This can help businesses to better understand customer needs, optimize operations, and innovate faster to stay ahead of the competition.

Public cloud has many advantages over traditional on-premises solutions. It is much more cost-effective, as businesses only pay for the resources they use, rather than having to commit to purchasing and maintaining expensive hardware. Additionally, public cloud solutions are more secure as the cloud provider handles the security of the system. Based on business objectives such as faster time to market, improved business processes, or enhanced customer experience, companies can decide which workloads they wish to migrate to cloud.

Tips for your IT transformation - get the best out of AWS cloud.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

The key to unlocking successful public cloud migration lies in the effective implementation of the cloud strategy. It calls for a well-designed plan which considers, which data, applications, or infrastructure needs to be transferred to the cloud for the business to thrive. As a cloud technology partner, we follow a consultative approach to offer the optimal cloud solution based on your business requirements. With our managed services for AWS, Azure, Google Cloud, and Open Telekom Cloud (OTC), we offer solutions that allow our clients to select the desired mix of cloud environments tailored to their needs.

In practice, many companies still have all kinds of legacy systems that cannot or should not automatically move to the public cloud. You need to think whether migration makes sense for your IT landscape. The answer may not always be public cloud, it could be a mix of private cloud and public cloud - a hybrid cloud environment. We are strong supporters of solutions that form a link between the current legacy systems and the public cloud in such situations.

URL: https://www.t-systems.com/de/en/industries/public-transport/topics/passenger-experience

Digital solutions to make customer journeys safe and seamless for game-changing results

Rising passenger numbers, aging public transport infrastructure, and lack of operational efficiency are just among a few challenges faced by the public transport industry today. Digitalization of public transport systems is the key to regaining momentum and ensuring a future-driven passenger experience. Our digital passenger experience solutions portfolio is the result of close collaboration with our customers and partners.

The heart of public transport lies in its passengers. Yet, delivering exceptional passenger experiences amid growing urbanization and diverse mobility needs presents a multi-faceted challenge. At T-Systems, we embark on a mission to reshape the way passengers interact with public transport. By leveraging cutting-edge technology and innovative solutions, we're paving the way for a future where every journey is seamless, comfortable, and truly delightful.

For seamless transit solutions and experience with our expertise and passenger information services, contact us today.

Our offerings encompass on-demand transport and ride pooling, alongside robust Mobility-as-a-Service (MaaS) platforms. These solutions empower individuals to seamlessly navigate multiple modes of transportation, from public transit to shared rides, all through a unified platform. Our innovative solutions are also dedicated to enhancing public transport accessibility and improving the passenger experience for individuals who are differently abled.

T-Systems takes passenger satisfaction seriously and aims to transform the travel experience. With our Passenger Information and Infotainment systems, we provide passengers with a seamless journey. These systems offer dynamic updates and real-time railway information, ensuring travelers are well-informed and engaged throughout their trip. Whether it's updates on arrival times, entertainment options, or interactive maps, our solutions keep passengers connected and entertained.

Our cutting-edge ticketing technology ensures a seamless and hassle-free ticket purchase process. With user-friendly interfaces and secure eTicket management, passengers can book and manage their journeys with ease. Furthermore, our expertise in Ticket and revenue settlement services, e-ticket security management, and expert ticket shop consulting empowers transport providers to create user-centric ticketing platforms, offering personalized promotions and loyalty programs to passengers. By leveraging our ticketing solutions, operators can streamline revenue management, reduce fraud, and provide travelers with a frictionless ticketing experience, ultimately contributing to a more enjoyable and efficient journey for passengers.

The future of mobility is digital, multimodal, efficient, and sustainable. It frees up resources without increasing capacities. More people get to their destinations faster and in a more environmentally friendly way. The benefits: They benefit from more links, better connections, shorter travel times, simple and flexible ticketing, more precise arrival and departure times, and vehicle sharing. With digitalization and state-of-the-art technology, T-Systems is sending out a signal to transport companies moving into the future of mobility in rail and local public transit.

In the dynamic world of multimodal mobility, it's paramount to put the customer front and center for an exceptional passenger journey. Mobility-as-a-Service (MaaS) providers are leading the charge, passionately championing accessibility as the keystone of the entire travel experience. Through seamlessly designed app interfaces, real-time updates at your fingertips, and flawless connections between various transport services, MaaS providers are unwavering in their commitment to crafting a transport service that elevates every facet of your travel experience. In

this exciting era of public transport operations, accessibility isn't merely a concept. It's the bedrock of a more inclusive, efficient, and enticing mobility landscape that you simply can't afford to miss out on.

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities

From "point of sale" to "point of experience" with new retail

It is mandatory to embrace Industry 4.0 digital transformation for retailers looking to thrive in an increasingly competitive and environmentally conscious world. By embracing digitalization in supply chain management, connecting with customers and staff in new ways, modernizing IT infrastructure, and prioritizing sustainability, retailers can pave the way for a brighter and more sustainable future.

What prospects and opportunities does digitalization offer the retail sector? Our smarter retail trend book provides answers to these questions with numerous practical tips and best-practice examples.

IT modernization stands as the cornerstone of progress and success for Retail 4.0. Digital infrastructure modernization enables retailers to enhance agility, security, and scalability ensuring competitiveness in a dynamic marketplace.

Modernizing retail supply chain management leads to greater efficiency, customer satisfaction, resilience, and sustainability. Retailers can adapt to changing consumer behavior and market dynamics thus remaining competitive and profitable.

Streamline operations and deliver personalized shopping experiences with connected customers and staff in retail. Access to real-time data enables the connected staff to manage inventory and response to customer queries.

Sustainability in retail and logistics is more critical than ever. Discover how businesses are adopting eco-friendly practices to reduce their carbon footprint.

Commerzbank and Deutsche Telekom cooperating on digital industry solutions.

Digital twins are more than visual replicas of machines, buildings, or facilities. They depict virtual realities. Does the future belong to digital twins?

Digital marketing is increasingly being used in retail. AR and Digital Signage Equip Retailers for the New Shopping.

Explore how cloud is driving the retail sector and how T-Systems, with its innovation center, is poised to welcome the advent of the Metaverse.

How Google Cloud services help retailers to benefit from retail cloud solutions and be future-ready.

How do you benefit from digital innovations for retail, logistics and production and other central business processes? Find out which solutions are ideally suited to your requirements and in modernizing your infrastructure. Get in touch!

We advance our clients on their digital journey

Our goal is to advance our clients on their digital journey and, in so doing, exploit the full potential of digitalization – now and in the future. This is why we have adapted to changing requirements and focused on selected sectors, regions, and offerings. In so doing, we are making sure that we reduce the complexity of digital transformation, save costs, and make day-to-day work easier – no matter which department of your company we are working with and always at the expected high level of quality.

With a clear focus on selected sectors, regions, and offerings with USPs, we aim to be the leading European vertical full-service player. In so doing, we concentrate on the growth areas in the market for information technology:

T-Systems is the market leader for IT services in Germany and holds the second-largest market share in Europe's German-speaking region. "We want to expand and really strengthen our leading position in Germany, Austria, and Switzerland," says Adel Al-Saleh explaining the new regional focus. "In addition to this, we are continuing to serve our usual regional markets around the world according to demand."

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How do we prepare for a digital future? Discover how innovative technologies enable new business models that improve the lives of countless people: from autonomous driving to neuronally controlled exoskeletons.

We now also concentrate on focused, vertical offerings. In doing so, T-Systems is delving deep into the value chain of selected industries and bringing tools and industry skills into the digitalization of automotive, health, public sector, and transport. In these four sectors, T-Systems aspires to market leadership using targeted investments. For example, the digital service provider has ranked top in the automotive industry in Germany for more than ten years. With horizontal services for consulting, cloud services, digital solutions, and security, we continue to address the entire spectrum of industries. Our customer focus has also developed further. While we have so far concentrated on multinational corporations and large-scale enterprises, we are now targeting our IT services at the upper medium-sized business category.Read more about this in the newsroom...

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance – together!

T-Systems is a partner to its customers in the digital transformation, from concept to implementation. With the integrated consulting provision from its subsidiary Detecon, T-Systems offers sector-specific management consultancy with distinctive technological expertise.

A reliable and competent provider of digital services is required to shape the future, one which

combines the cloud, IoT, security, and connectivity, in an agile and end-to-end approach.

Our "Cloud First" strategy allows companies to benefit from the experience of a provider for multi-cloud orchestration and a cloud pioneer with more than 10 years of experience. Together with our strategic partner, T-Systems offers an assessment for the existing IT and strategy consulting, migration into the cloud, and cloud management as a basis for customer digitalization.

Deutsche Telekom Security GmbH is responsible for the global security of the Telekom Group and also provides the same level of professional protection for all other customers. From small companies to Dax-listed corporations and public authorities. We are a managed security service provider and offer the right consulting. All security solutions from a single source.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Are you asking yourself how an experience-based transformation can work in your sector? Our reference handbook brings together stories from various markets and sectors. We show how digitalization has made companies more flexible and reinforced their decision-making.

Fully integrated complete solution provides digital traffic management and smooth processes.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

How the private cloud serves as a solid foundation for the shopping and customer experience.

Industrial internet of things allows RUD to create greater transparency in conveyor systems.

KAESER KOMPRESSOREN SE has mobilized all of its business processes together with T-Systems.

Helping to shape digitalization means always being at the cutting edge of technology and methods. To do this, we have set up a broad program of training for our employees.

Agile framework conditions and methods form the basis of our way of working and our cooperation. Both internally and with our customers.

In times of crisis, he have shown that we are quick to pick up on trends and are able to implement them to shape new ways of working. Our experience flows into innovative New Work solutions for our employees and customers.

Our values and our conduct make us unique. Customer focus and innovation are part of our DNA. We work in an agile and collaborative way. We continuously strive to improve and won't settle for less.#peoplemakeithappen

This is exactly where T-Systems supports as a thought leader with inspiration on innovative topics. Learn how we can shape the next steps into our digital future together.

Never miss a thing: we inform you about current events, best practices, and special offers!

URL: https://www.t-systems.com/de/en/security/solutions/microsegmentation

How microsegmentation traps hazardous or unwanted data traffic within the network, thus

containing cyberattacks

Want to stop unauthorized data traffic in your network and increase your security by stopping cyber criminals from moving laterally throughout your network if they manage to gain access? Traditional network security tools like firewalls are made to monitor and block external traffic coming into your network. Microsegmentation works differently: it isolates traffic inside networks with the help of software-defined network segments, using predefined rules.

Hackers went undetected within company networks for an average of 66 days in 2020*. Plenty of time to exfiltrate data. Traditional perimeter protection using firewalls – also known as macrosegmentation – has limited utility, since malware that does make it through the firewall can pass undetected from workload to workload. Whereas with microsegmentation – if an attacker has gained access to the network, they remain trapped in the security zone. In the event of ransomware attacks, this ensures that no additional data can be encrypted, and/or blocks the path of malicious insider operators.

* Source: FireEye

This is how microsegmentation works: To inhibit lateral movement within networks, servers, data center, systems, software, and workloads are isolated from one another. At the same time, there are robust zones within the IT infrastructure, in which workloads or applications can securely exchange data. The motto: Anything that does not need to communicate must not communicate. External attackers or malicious insider operators are quickly stopped in their tracks thanks to network segmentation. Companies, on the other hand, reduce their security risks and avoid the consequences associated with cyberattacks such as reputational damage or loss of business.

In an intensive advisory discussion, our IT security experts will help you to identify how microsegmentation can protect your business and your IT. We develop dedicated solutions based on network segmentation, and install and operate them for you, in addition to providing support and further development. In doing so, we make data connections transparent and create individual security policies, which, for example, prohibit unnecessary communication. In this way, we reduce the number and complexity of communication relationships in your company network. Thanks to this new, clear structure, you can easily determine, whether and how unauthorized parties are moving through your network.

To integrate microsegmentation into your infrastructure, we operate on the principle of zero trust. The goal of this Zero-Trust security model is to ensure that, in our digitalized, connected world, access to valuable data is exclusively given to authorized users. Consequently, it is necessary to control all activity within the network. With microsegmentation, we apply the Zero Trust principle to the communication between your workloads, applications, and servers. We visualize data flows, and control and suppress them where needed.

For the most part, digitalization and cloud transformation go hand in hand. But just how secure are your cloud services? What threats are you facing, where are potential gateways for cyberattacks lurking? Our white paper shows how to effectively protect your cloud.

The biggest advantage of microsegmentation: The dynamic approach automatically maps changes in the network. This is considerably more flexible, quicker, and more cost-effective than using a conventional firewall. An example: A tour operator's booking system exchanges information with the customer database and financial software. If the company stores the booking system in the cloud, the existing policies remain in place and are automatically used for

the cloud application. The principle: Security policies are always linked to the application and not to the technological platform.

What is microsegmentation, and how does it protect your enterprise from malicious activity and cyber threats?

How companies protect their clouds with suitable security measures and use the full potential of cloud services

Robust security zones based on microsegmentation make your data and communication pathways transparent, thereby safely containing cyberattacks. How exactly does this work? Our security experts explain!

URL: https://www.t-systems.com/de/en/artificial-intelligence/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how the field of AI uses our solutions to increase flexibility, productivity, efficiency and quality.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

DT Technik leverages a data-driven approach for efficient utilization of its facilities.

The Rhein-Main-Verkehrsverbund tests out a new mobility concept with AI software from T-Systems.

Simple questions are answered automatically and quickly by the e-bot7 chatbot thanks to secure resources from the Open Telekom Cloud.

Fuse-AI facilitates medical diagnoses using artificial intelligence from the Open Telekom Cloud.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/data-intelligence/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

DATA. A confidential handling of data is essential.

DB Cargo: Data analysis enables more operating time on the tracks.

How automakers can use "data filling stations" to bring greater speed and precision to their global endurance testing, from Peter Lorenz, SVP of T-Systems.

How decision-makers are approaching analytics and data management.

Augment your data capabilities and analyze data to make informed decisions with T-Systems Managed Data Warehouse Service.

In the first step towards data science, RapidMiner founder Ralf Klinkenberg believes companies have to break open their data silos and connect data across all processes.

Experts from Intel, IDC, and T-Systems will teach you how to use AI, analytics, and IoT to your advantage.

A key to putting your business into digital fast-track with experts from Pegasystems and us #Fastlane2Digital.

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We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/migration-and-modernization/topics/optimizing-your-cloud-journey

Before you move to cloud, learn the pitfalls to avoid and the planning, processes, and partners you need

More and more organizations are discovering the enormous potential of moving to the cloud. Amid a complex landscape, how do they successfully turn that potential into real value? The answer is different in every case, but overall, a managed and expert-assisted cloud migration plan is crucial. It should be structured but also flexible, with the opportunity to regularly check and reorient in response to a changing business environment. So, what does that plan look like?

A successful cloud migration strategy starts with analyzing your existing on-premises landscape. Combined with business goals and security regulations, this is used to determine your target cloud environment and core cloud services. The actual cloud migration process can take place in a phased and structured manner, prioritizing "easy wins". The destination should be a purpose-designed cloud mix to meet your business needs and give you a competitive edge; the journey there should be clear, efficient, and disruption-free.

With T-Systems by your side, you can realize the benefits of cloud migration, while we handle the challenges. In our white paper, we show you how to get the most out of the cloud for your business.

Our comprehensive framework, track record in multiple industries, and relationships with major cloud providers make us ideally positioned to support your migration process. Get in touch for a consultation.

Whatever your current landscape or goals – from moving a single application to an enormous infrastructure – we follow a structured and consultative process to optimize your journey. It starts

with a cloud readiness assessment, from which we recommend cloud solutions and jointly devise a migration strategy that conforms to your specific requirements. As a holistic framework, it also includes post-migration services. Get the full details and further insights on how we make customers' cloud transformations work.

As a service provider, we are cloud-agnostic and can recommend solutions on any major cloud-based platform. In fact, we maintain active relationships with hyperscalers such as Azure, AWS and Google Cloud Platform – so you can integrate with their environments and tap into their proven power and security. Read two stories of successful cloud migrations of VMWare workloads with Azure and AWS.

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What do your current systems, workloads, and knowledge base look like – and what does that mean for your ideal cloud ecosystem, and how to get there? A cloud assessment can determine the best answers for your business, putting you on the right path to high-performance, secure, and sovereign cloud services. Find out more in our video.

URL: https://www.t-systems.com/de/en/analyst-ratings/digital/isg-provider-lens-2023-sap-s-4hana-ecosyst

ISG recognizes T-Systems as a leader for SAP ecosystem in Germany for fifth year in a row

In the report, ISG Provider Lens™ for SAP ecosystem 2023 - Germany, ISG has positioned T-Systems as a leader for Managed Application Services, Managed Platform and Cloud Services, and SAP S/4HANA Systems Transformation - Large Accounts. The organization highlighted T-Systems' key strengths as regional positioning and focus on individual industries, lightning-fast managed services package, and focus on sustainability.

Peter Höroldt, Lead Analyst at ISG, comments, "T-Systems can play an important role in managed application services environment through its industry-specific expertise, customer proximity, and comprehensive portfolio of tools. T-Systems has comprehensive capabilities to deliver cloud services for SAP and help manage SAP workloads in the cloud using tools and accelerators. It caters to the automotive, healthcare, and public sectors. Process models, tools, and a clear sustainability strategy help T-Systems sustain its position as a leader."

T-Systems is a leader in this category for the fifth year in a row. ISG attributes T-Systems' leader position to its differentiators such as support for enterprise transformation, sovereign cloud, regional positioning, and focus on individual industries and on sustainability.

T-Systems is among the top leaders in this quadrant. ISG highlights the comprehensive use of AI tools, lightning-fast Managed Services package, competence and innovation in key industries, and support for SLAs based on business outcomes as key strengths.

T-Systems is a leader for this quadrant for fifth year in a row and amongst top service providers. T-Systems' broad multi/hybrid cloud capabilities for SAP services, emphasis on sustainability, sovereign cloud, and greater degrees of automation are highlighted by ISG as among the company's core strengths.

In this report, ISG highlights key strengths and competitive differentiators for T-Systems for SAP services in Germany.

* Field required

Your digital journey: demand-driven and tailored solutions for a successful SAP S/4HANA migration.

Control workflows with SAP S/4HANA in real-time, reliably manage data systems and applications with the cloud.

Take advantage of the next-generation digital services such as Blockchain, AI, or IoT with SAP S/4HANA.

Do you want to drive forward your business with cloud-based SAP® services? As a long-standing and certified SAP® partner, we would be happy to advise you.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/open-telekom-cloud/ai-cloud

The Open Telekom Cloud provides you with scalable, secure, and privacy-compliant computing capacity for your AI project

Would you like to try out initial prototypes and applications with artificial intelligence (AI), but are lacking the necessary capacities and competences in your company? But you also shy away from high investment costs? Thanks to cost-effective public cloud capacities, artificial intelligence has become affordable for every company. Use resources from the Open Telekom Cloud easily, flexibly, and quickly and start your AI project!

T-Systems has already developed, implemented and supported countless AI projects for companies. Our AI experts report from their experience and provide exciting insights into questions such as: What is an authentic AI? Which technology is the best? How do AI projects succeed? Everything worth knowing in our videos!

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How to recognize Fake-KI? Ralf Hülsmann on authentic artificial intelligence

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The buzzwords around AI - Torsten Deutsch explains what they really mean

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Max Guhl explains which processor technology fits which AI application

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Max Guhl explains why and which AI projects work better with GPUs

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Max Guhl says which cloud technology fits which AI project

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What is myth, what is truth? Torsten Deutsch clears up the misconceptions about artificial intelligence.

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Whether online or stationary - Ralf Hülsmann on AI solutions for retail

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Environmental protection with artificial intelligence? AI in medicine? Logistics with AI support? All of that already exists, says Ralf Hülsmann.

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Max Guhl on the benefits of AI solutions for companies in HR, service and accounting

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Tips for a successful introduction of artificial intelligence in companies

Whether digital speech assistants, precise predictions of customer behavior in marketing, or the predictive maintenance of machines in Industry 4.0 – the applications for artificial intelligence are manifold. Intelligent algorithms evaluate extremely large amounts of data from a wide variety of sources, for example through machine learning or neural networks. They also recognize patterns and connections that people tend to overlook. They produce accurate forecasts, are capable of learning, and develop independently. However, this only works with a powerful infrastructure, e.g. for training algorithms with large amounts of data. This is where companies benefit from a clever combination of on-premises capacities and demand-based IT resources from the public cloud. And at processor level, from the needs-based use of CPU, GPU, FPGA, and the like.

Artificial intelligence applications often require real-time responses with the lowest possible latency – this includes online shops that update prices, or trading platforms that need to react to market developments as quickly as possible, as well as short-term weather forecasts for storm warnings. If there is no time to lose, field programmable gate arrays (FPGAs) from the Open Telekom Cloud are the best solution.

FPGAs are programmable hardware elements or circuits. In contrast to processors such as CPUs and GPUs, the sequence and type of use of chips, memory, networks, and the like are not fixed. The circuits are freely configurable, very flexible thanks to their reprogrammability, and are used in the context of AI for machine learning, fraud detection, speech recognition, and trend analysis, among other things.

The startup Xelera demonstrates how FPGAs can be used as accelerators for corporate applications with its suite, which you can book from the Open Telekom Cloud. The Xelera Suite is a hardware-independent interface to FPGA platforms in data centers and the cloud. It allows processes and applications in companies to be brought up to speed without specific technological know-how: Depending on the scale, accelerations of more than 100 times are possible.

The capacities from the Open Telekom Cloud allow us to set up our accelerator quickly in the cloud and configure it according to the customer's application scenario, for example accelerating standard databases such as SAP.

Dr. Felix Winterstein, founder at Xelera

The analyst firm Cloud Spectator tested highly specialized virtual machines (VMs) from various cloud service providers, including Amazon Web Services (AWS), Microsoft Azure, Google Compute Engine (GCE) and the Open Telekom Cloud for the benchmark "Western Europe Cloud IaaS Analysis."

Two types of virtual machines (VM) were tested: firstly high-performance VMs with non-volatile memory express (NVMe) or local SSD memory, and secondly, memory-optimized VMs with correspondingly high read and write performance. All of these VMs meet the necessary requirements for specific applications, such as processes requiring extremely high data throughput (IOPS), floating point operations, real-time analysis, processing large amounts of data, or performing high-frequency database operations in random access memory (RAM).

The conclusion: "Cloud Spectator's analysis showed that the Open Telekom cloud portfolio from T-Systems offers premium solutions that are superior to comparable hyperscaler offerings. Both of the tested VM types from Telekom have significant advantages over their competitors," said Cloud Spectator when summarizing the results of the study.

AI has all the prerequisites to completely renew companies from head to toe. Nearly all industries and disciplines can benefit from artificial intelligence applications. Find out how you can benefit from AI in practice here.

Personalized marketing in the retail sector

Using image processing and pattern recognition, intelligent systems on digital screens in salesrooms can help to tailor advertising and the way in which customers are addressed to make personalized offers. To do this, the AI systems evaluate characteristics such as posture and viewing times for specific goods displays. If several networked devices are used, they learn from each other and increase AI effectiveness.

Intelligent audio marketing in shops

The selection of background music influences the shopping behavior of customers. AI can be used to identify the number and age of people in a store and link them to business data such as inventory levels and external influences such as weather and local events. Based on this analysis, background music and promotional ads are selected to create a pleasant shopping experience for customers.

Learning from customer data and predicting customer behavior

Machine learning (ML) processes can be used to prepare existing customer data in such a way that enable forecasts of purchasing behavior. Factors such as the time spent on a website, number and prices of products in shopping baskets, age of customers, and order histories are evaluated. The ML system can independently derive patterns and predictions from this information – for example, that cheaper products will be purchased faster, that repeated call-ups on a product will increase the probability of an order, or that certain products will be purchased frequently by customers in a certain age group.

Tracking down trends and customer preferences in social networks

The use of AI processes such as machine learning is not limited to the company's own data stocks. AI can also be used to analyze posts, posts, and tweets on Facebook or Twitter, including information about word frequency and emotional content (sentiments) as well as the number of hashtags and likes. In addition, the systems can take weather and news situations into account in their analyses and incorporate them into forecasts of future customer behavior. Machine learning enables AI systems to independently recognize and evaluate relevant features and threshold values. And artificial intelligence never stops at the status quo – it continues to learn and develop.

Quality assurance in production: article inspection

A self-learning surface inspection ensures that surface defects, contamination, and variations in article patterns are reliably detected. The Fraunhofer IPA has developed an adaptive, optical inspection method for this purpose. It is based on an unsupervised learning process in which the

optical inspection system automatically adapts to changing surface structures.

Quality assurance in the industry: recycling

With the help of a self-learning object classification, waste equipment such as catalytic converters can be better identified. Their condition is often poor due to corrosion, deformation, or damage. The devices are recorded three-dimensionally with a laser line sensor and classified on the basis of neural networks using various characteristics – such as object contour and curvature. Fraunhofer researchers achieved a classification rate of over 90 percent.

Quality assurance in the pharmaceutical industry: visual inspection

Large quantities of fertilized zebrafish eggs are required in pharmacy and biology. Thanks to an automated visual inspection, fertilized eggs can be automatically recognized and distinguished from unfertilized ones. To do this, a camera image is taken of each egg and analyzed by a deep learning network. The detection rate is 99.8 percent.

Smart wearables – keep an eye on everything with data glasses

Portable, sensor-equipped AI systems that are worn on the body or integrated into clothing provide useful services. Data glasses, for example, support employees in picking orders by scanning containers, warehouse and article codes. For example, colored markings on the glasses can make it easier to find the right shelf or maintenance instructions can be brought up. This saves time and minimizes the error rate.

Control vehicles from over 4000 kilometers away

Together with the Israeli start-up Ottopia, T-Systems has shown how vehicles can be remote-controlled, transferred, or even used as taxis in a factory yard from over thousands of kilometers away. To ensure that the response time for transmitting the huge amounts of data is not too long, Ottopia uses an AI application that predicts the utilization of the radio cells in good time. This enables uninterrupted services, even over public LTE networks in remote locations.

AI-supported route planning reduces empty runs

One in three trucks drives through Germany empty. AI-supported route planning, which takes into account factors such as weather, events, and customer buying behavior at different times of the year, can reduce the number of empty runs and standing times. The AI system forecasts the market prices for truck routes and determines prices for spare capacities. In this way, supply and demand can be coupled quickly and effectively – and transport journeys made more sustainable.

AI sorts the mail – automated document capture

Letters, e-mails, invoices and other documents can be automatically processed and distributed using the image and object recognition of AI solutions. Since documents often arrive at companies in different formats – especially companies that are active internationally – it is advisable to use a self-learning AI solution that can correctly assign text, numbers and values.

Understanding texts correctly – with text mining

Text mining is an AI-supported reading and comprehension aid that uses methods such as natural language processing and deep learning. It recognizes and processes contextual meaning in structured and unstructured documents. Numerous processes benefit from this: for example, the analysis of customer feedback in e-mails can be used to automatically trigger the right response from customer service. In addition, text mining is very useful when it comes to the analysis of contract texts and other business documents.

Our AI experts determine the potential your company has to benefit from artificial intelligence. We work with you to implement individual AI projects – from concept to installation and operation in the Open Telekom Cloud.

URL: https://www.t-systems.com/de/en/industries/automotive/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how international automotive companies use our solutions to increase their flexibility, productivity, efficiency, and quality.

Renewed trust in T-Systems for the management of production control systems and IT infrastructure in Portugal.

ENIO trusts the T-Systems Sovereign Cloud powered by Google Cloud with its sensitive data.

Groundbreaking platform for managing electrical charging infrastructure.

T-Systems develops security architecture and realizes SOC for Vitesco Technologies.

Future Cloud Infrastructure for flexible SAP-based operation convinces Continental.

As a pioneer in all things digitalization, the Autohaus Gitter dealership has been using VaudisX since the word go.

Migrations into AWS and private cloud as well as taking on the application management for SAP, non-SAP, and PLM.

Vitesco Technologies migrates Windchill PLM system to AWS.

Mercedes-Benz accelerates the evaluation of test drives using Data-as-a-Service.

The Dürr Group now benefits from optimized manufacturing processes – Universal Data Converter makes it possible.

Comfort Charge offers an all-inclusive solutions for the charging of electric vehicles.

ECKART relies on Salesforce for an integrated market presence and sales success.

T-Systems analyzes anonymized driving data for automotive OEM in China.

Through the migration to Microsoft Azure, Aethra has lowered its operating costs by 60 percent

and improved its performance by 30 percent.

How Daimler's digital service platform enhances the driving experience and customer loyalty with T-Systems solutions.

"Liga na Estrada" – explore how this innovative application co-developed by T-Systems and Mercedes-Benz do Brasil works and how it helps drivers and fleet owners.

More flexibility and scalability by moving the IT infrastructure to the cloud.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/careers/pupils

Start your career with us when you leave school. From an apprenticeship to a dual study program, everything is possible.

Do you dream of being able to change society in your professional life? Do you want to develop technology to make life simpler? Do you enjoy helping people to communicate better while also growing with us continuously? Whether you choose an apprenticeship or a dual study program, we will set you up for your professional future. We let you gather valuable experiences, test yourself, and build upon your strengths.

Your apprenticeship contract is concluded with Deutsche Telekom and you will then complete your practical assignment with us. By the way: your grades are not the first thing we look at – rather, we are looking for employees with personality and commitment.

Have you found just the right thing for you? Can you imagine your future like that? Then go straight to our school leaver job search.

If you don't want to do without a degree, but want to gain practical experience at the same time, you're best off entering our dual study program. The practical training at T-Systems offers you many different technical and commercial study paths. This route puts you at an advantage in your future choice of career, as you will be furthering your development together with us in a targeted manner.

Dual study

Your apprenticeship with us will give you the benefit of a mix of business, school, and training center. You will have fixed times planned in for workshops and presentations in the training center and enough time and opportunity to learn and improve your general professional competence, methodical approach, and, above all, important personal and social skills.

Apprenticeship

Do you have questions relating to your career entry? I'm happy to help.

Telekom training

URL: https://www.t-systems.com/de/en/application-services/solutions/sap-solutions/digital-transformation-v

Do you want your company to become more digital? We develop the right strategy for you with

our SAP digitalization package

Artificial intelligence, data analytics, machine learning, blockchain technology, or the Internet of Things (IoT): Digital innovation has many building blocks. With SAP-certified transformation packages and DevOps automation, you can implement the building blocks of digitalization based on SAP S/4HANA quickly and risk free, and ensure your company's future viability.

SAP S/4HANA offers almost unlimited possibilities for nearly all industries and is the technological basis for implementing new data-driven business models. An end-to-end approach includes all the necessary steps. This starts with the integration of all users and end devices, such as IoT or mobile devices. The E2E solution controls and manages the secure and reliable integration of all devices and enables the provision and further processing of all collected data, using methods such as big data analysis, machine learning, and artificial intelligence.

Discover how T-Systems has optimized SAP transformation projects for their customers to help them on their journey to become intelligent and sustainable enterprises.

We offer flexible solutions to break down end-to-end processes for innovation and to implement cloud-native structures. To do this, we use hybrid cloud solutions, which allow us to implement micro-services from hyperscalers and other cloud providers.

Based on our multi-cloud platform for SAP, we deliver everything you need for a successful implementation of SAP S/4HANA and the SAP HANA database. With our individualized starter packages for SAP S/4HANA, we will accompany you from conception, installation to an operating solution.

Improve productivity, efficiency and transparency in the production process with digital solutions.

Do you already have specific use cases for blockchain, IoT or other innovative technologies in mind? But you are not sure how you can implement them, or whether they will benefit the business at all? Our experts will advise you and show you how you can integrate the use cases into existing processes. Together with you, we will test the use cases and, if successful, incorporate them into normal operations – or scrap them if they fail to add any value. We will make it clear what opportunities S/4HANA offers and where the greatest potential for your company lies.

* Field required

URL: https://www.t-systems.com/de/en/security/solutions/security-consulting

The security requirements for protecting your infrastructure are constantly changing – a suitable security concept helps

Information, know-how, patents, recipes. Are your key business assets adequately protected and do you know the security gaps in your IT architecture? What about your IT security concept for the future? Do you know what to do if cybercriminals have already infiltrated your system and are stealing information? In short: do you know the risk and are you prepared for an emergency?

A comprehensive security concept is one of the key factors for companies that want to be successful in the long term. This is because security incidents occur all the time and the risk of

being the target of an attack is constantly increasing: from untargeted, opportunistic attacks to highly professional, systematic attacks. Inadequate IT security measures put your information security at risk, making it easier for attackers to exploit vulnerabilities and launch cyber threats. At the same time, there is hardly an environment that is as dynamic as IT security. Innovative technologies, changing requirements, and strategic decisions are constantly challenging corporate security in new ways. In this context, new opportunities unfortunately often come with new vulnerabilities. These need to be eliminated and safety maintained with risk and threat management to avoid cyber threats or data breaches.

To protect corporate assets as reliably as possible while at the same time ensuring information security, concrete measures are needed at both the organizational and technical levels. We help you identify and successfully implement the right measures for your organization.

Strengths and weaknesses are different in every company. To create an appropriate IT security strategy, you therefore need a precise analysis of your current security status. Our Security Consulting and Advisory Services help you evaluate your strategic and acute security needs. After assessment, together, we develop a solution tailored to your needs to guarantee the best possible implementation and eliminate vulnerabilities in the system. From the creation of specific risk analyses and the derivation of concrete measures to the design of your individual IT security roadmap – we will assist you with the implementation. With our consulting, you can increase your organization's security level and thus stay on track for success.

To prevent system-critical supply bottlenecks and serious data theft, the Network and Information System Security Act (NISG) requires compliance with comprehensive and specific security measures. These were tightened in early 2023 with the NIS-2 Directive and extended to a significant portion of the economy. Do you know if you are also affected by NIS and are you already implementing the new requirements? Work with us to ensure long-term compliance with NIS requirements.

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For a strong foundation, IT security must be anchored in all parts of the company, both technically and organizationally. This requires a well-thought-out strategy that spans all services and ensures a consistent and high standard of security across the entire enterprise. In the webinar, our cyber security experts will show you how to lay the foundation for robust security in your organization.

Find out why you should consider your cyber security as an investment and how you can optimize your IT security with our Security Consulting and Advisory Services.

Find out if your company is prepared for modern cyber attacks with our security assessment.

Have questions about cyber security or need expert advise? Our IT security consultants will be happy to help you find the answers.

URL: https://www.t-systems.com/de/en/strategy-and-consulting/customer-success

Be inspired by the successful digitalization projects of our customers

Find out how how the field of strategy and consulting uses our solutions to increase flexibility, productivity, efficiency and quality.

New work: T-Systems MMS builds new intranet for DPD Deutschland GmbH.

T-Systems develops security architecture and realizes SOC for Vitesco Technologies.

T-Systems driving business innovation for Cargodian with AWS consulting and solutions.

TrialComplete supports the work of the DZHK.

Highest performance and maximum high availability for critical infrastructures.

End-to-end consulting & support for IT infrastructure carve-out in the chemical industry carried out by T-Systems and Detecon.

Indonesian hospital group Mitra Keluarga migrating its IT to AWS with help from T-Systems.

T-Systems' secure cloud services are the key to successful digitization.

Are you interested in a specific solution, want to see how it's applied in real time or exchange experiences with us? It would be our pleasure!

URL: https://www.t-systems.com/de/en/partners/aws

T-Systems and AWS offer agile cloud solutions for your business

When you combine game-changing solutions with the knowledge and experience of how to use them, it paves the way for exciting things to happen. That's why the partnership between AWS and T-Systems is so promising.

With AWS, you get an amazing technology base that is being continuously augmented and improved. Meanwhile, what T-Systems brings to the table is vast experience in migrating operations, particularly mission-critical ones.

Get ready, start and go with Managed Cloud Services for AWS and profit from the start package with a credit balance of up to €2,000 / month for 3 months. 1

The conditions in the "Get started quickly with AWS Cloud" flyer below apply.

T-Systems and AWS come together to tackle data compliance issues with a unique offering

Site Reliability Engineering (SRE) ensures reliable operation while deploying agile development methods.

With the T-Systems AWS starter package, you can now use managed cloud services for AWS and receive up to € 6,000 credit.

Avoid downtimes, increase agility, and reduce costs with managed cloud services for SAP® on AWS

Migrate systems to AWS with ease, and optimally operate them after a Migration Readiness Assessment (MRA).

Flexible, simple, and fast: migrate to the public cloud with VMware Cloud on AWS

With AWS Direct Connect, T-Systems offers a Hosted Direct Connect Virtual IP Interface for connecting networks as part of the AWS Networking Services.

* Field required

T-Systems enabled Advanced Applications with AWS Managed Cloud Services, consulting and AWS Direct Connect.

Vitesco Technologies migrates Windchill PLM system to AWS.

1. FC Köln is modernizing its website with AWS and T-Systems.

URL: https://www.t-systems.com/dk/en

You'll learn the state of Zero Trust, why it's here to stay, and how to start putting it into practice.

Planning to migrate your SAP S/4HANA to AWS? Find key recommendations in the free report.

Adel Al-Saleh to leave the Group and become new CEO of satellite operator SES.

Rethink the system: Transformation to a responsible AI-supported company.

Rethinking the challenges of today and the status quo. T-Systems supports your digital transformation towards greater sustainability.

Planning to innovate in the cloud? Find recommendations in the free report.

How companies command their business strengths and future challenges by taking the optimal route to SAP S/4HANA.

How to use AWS also for sensitive data? Our e-book shows a way with a focus on Data Protection as a Managed Service.

This is exactly where T-Systems supports as a thought leader with inspiration on innovative topics. Learn how we can shape the next steps into our digital future together.

Do you have any questions concerning the planning, implementation or maintenance of your digitalization project? Contact us and one of our experts will be in touch with you to answers all your questions.

We support your digital transformation with industry-specific consultation, first-class cloud services, digital solutions, and strong systemic security. With us, advanced industry expertise meets a perfectly integrated solution from a single source. Let's power higher performance –

together!

URL: https://www.t-systems.com/de/en/migration-and-modernization/solutions/managed-application-retirer

Reduce operating costs for expensive legacy systems by up to 80 percent and store legacy data and records in the cloud

Companies are choosing not to switch off systems that are no longer productive because they have to be able to access legacy data at all times for legal reasons. Those who opt for a standardized process like the Managed Application Retirement Services (M.A.R.S.) will save time and money by migrating and historizing data records – while retaining access to all relevant data. In addition, it reduces the data stock by up to 85 percent, as superfluous and redundant data records are deleted.

With M.A.R.S. from T-Systems, you can historize data from legacy SAP and non-SAP systems on a central cloud platform. An analysis tool reveals how much and which data is used in which areas of the company. This enables you to identify which data streams and silos need to be removed or migrated. Historization reduces costs for operation as well as the necessary system and security updates. Your data are stored in an unchangeable, legally secure, and EU-GDPR-compliant manner. The historization is efficient and meets the requirements of the DACH region, such as data storage regulations (GoBD) in Germany, the Code of Obligations in Switzerland, and the Federal Tax Code in Austria.

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How to migrate data from any legacy application to our secure, read-only cloud platform and thus offer global access to important company data and information around the clock.

Flyer: Free yourself from legacy data from post-productive IT systems, safeguard only the data you really need in a legally compliant manner in the cloud, and save yourself up to 80 percent of the cost of operating legacy systems.

Are you still running old systems purely because you need access to the legacy data at all times to comply with legal obligations to preserve records? If so, you could save money with Managed Application Retirement Services.

M.A.R.S stores your data in an economical, secure, and energy-efficient way. The total volume of data stored by most companies can be reduced by 85 percent by first analysing which old data is redundant or unnecessary and can be deleted. A minimal amount of data is then stored on the high-security cloud servers, dramatically cutting energy consumption. The M.A.R.S solution uses climate- and resource-friendly Open Telekom Cloud data centers, powered exclusively with electricity produced from renewable sources and with zero emissions. They also use around 30 percent less energy than conventional data centers.

#Green Magenta

If you only want to retain access to legacy data, you can use M.A.R.S. Archive data, shut down unused legacy systems – SAP and non-SAP – and thus reduce operational costs (OPEX) for

legacy systems – maintenance contracts, hardware, specific know-how – by up to 80 percent.

Some companies are lugging around a double-digit number of IT applications without even using them. These legacy systems make the management of the overall IT architecture unnecessarily complex and slow. With M.A.R.S. you can secure legacy data, reduce complexity, and accelerate IT services.

Whether European General Data Protection Regulation (EU-GDPR), GOBD, FAIT 3, or AO: The law determines which data you must keep, how it is to be kept, and for how long. With M.A.R.S., you have quick access to all archived legacy data from all deactivated legacy systems at any time.

T-Systems helps companies to delete surplus stored data in dedicated environments and to secure mandatory data in the cloud in a way that is legally compliant. We will be happy to show you how you can quickly tidy up and create space!

URL: https://www.t-systems.com/de/en/partners/citrix

Give your distributed teams all they need to do their best work, no matter how or where it gets done. And above all, be ready for whatever the future brings. T-Systems and Citrix empower your workforce to access their apps and desktops from any cloud, device, or connection. Our portfolio includes collaboration, virtualization, and network technologies, focusing on superb employee experiences rooted in security and compliance.

How do you set up remote workplaces for 35,000 employees in just five days without compromising business continuity or strict security regulations?

* Field required

URL: https://www.t-systems.com/de/en/migration-and-modernization/insights

Discover expertise, practical tips and inspiring insights on this topic

Condensed and at a glance: here you can find information, publications, and events relating to subjects that matter to you and us – now and in future.

Enabling companies to take a quantum leap in Electronic Data Interchange landscape modernization.

The closer partnership with VMware will make the transition to the cloud easier, faster and less costly for organizations.

T-Systems is now an AWS Migration Competency Partner, meaning customers enjoy even faster, easier AWS cloud adoption.

Manage data streams more efficiently and realize innovative application solutions for more sustainability with Edge computing.

What are your migration options, and does it always make sense to move your applications to the cloud?

When moving your applications to the cloud, what method should you choose?

Experience digital innovations first hand – either on site or in the metaverse – and try out exciting use cases.

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Historicization you can trust – T-Systems Managed Application Retirement Services (M.A.R.S.)In this video, you can discover how we migrate data from any legacy application to our secure, read-only platform and thus offer global access to important company data storage around the clock.

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Modernizing IT with FITT – An Accelerator for the Digital FutureManaging and monitoring complex system landscapes pushes many companies to their limits, affecting business efficiency and innovation potential. Are you looking for ways to transition large legacy infrastructures towards state-of-the-art cloud solutions to streamline your IT capabilities?

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A migration road trip on Route 60Hear our cloud solutions expert Nico Herzhauser along with Christian Blaas from AWS as they dive deep into the topic of cloud migration, highlighting the best practices and customer success stories.Please click "settings" at the bottom right of the video to turn on English subtitles.

We are delighted to share innovative ideas and projects with you in our newsletter. Interested?

No problem. Get in touch with us. We look forward to hearing about your current concerns.

URL: https://www.t-systems.com/de/en/partners/microsoft

T-Systems supports your company in implementing personalized digitalization solutions from the Microsoft cloud

Companies are increasingly moving their applications to the cloud, in order to profit from quicker scalability, reduced costs, and many other benefits. With our flexible managed services based on Microsoft Azure, we create needs-based, individual solutions for your application scenarios, and ensure successful implementation and seamless operation based on the Microsoft cloud.

Secure your advantage now: In the first three months you will receive EUR 2,000 credit each month for services from the public cloud (Microsoft Azure usage) in addition to managed cloud services from T-Systems free of charge. From the fourth month, services are charged on a

pay-as-you-go basis. – You only pay for what you use.1

The costs of your individual monthly usage (e.g. for virtual machines) will be deducted from your credit. Unused credit expires at the end of the month. If usage costs exceed the allotted credit, the excess amount will be billed on a monthly basis. From the fourth month, credit will no longer be applied and the full usage costs will be billed. In the event of continued use of the managed services on the part of the customer, additional charges will be billed (as defined in the contract). The minimum contract term is 12 months.

Microsoft's globally accessible public cloud platform offers Infrastructure (IaaS), Platform (PaaS), and Software as a Service (SaaS) based on uniform standards and the highest security levels.

Quickly and securely equip employees for work in the (home) office and on the go with collaboration software.

From private to multi-cloud: How cloud platforms and SAP® services are orchestrated as end-to-end solutions.

Take advantage of the next generation of digital services such as blockchain, AI, or Internet of Things with SAP S/4HANA®.

* Field required

Through the migration to Microsoft Azure, Aethra has lowered its operating costs by 60 percent and improved its performance by 30 percent.

T-Systems supported a logistics company as managed service provider.

Tirol Werbung gets a central coronavirus dashboard for tourism companies and holidaymakers up and running in just four weeks.

Schwan Cosmetics works with virtual reality glasses.

ZUELLIG PHARMA. Using the public cloud to provide better healthcare for people in Asia.

URL: https://www.t-systems.com/de/en/newsroom/adels-techcheck

Get insights on trending topics and solutions in the new video format of the T-Systems' CEO

Anyone in for AI and massive, sustainable data centers? These topics are only the kick-off of Adel's new video format – TechCheck. Join him as he shares his insights on trending topics, relevant solutions, and the teams behind the company T-Systems. Stay tuned for the next TechCheck!

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Did you know about ten million people die from cancer every year? Next to the heart diseases,

cancer is the second leading cause of death around the world. Millions of patients die either due to the delay or incorrect diagnosis. Artificial intelligence is set to lead the healthcare industry in the nearby tech-driven future. AI technology can be a major support in diagnosing this deadly disease at a much earlier stage. AI-empowered healthcare machines can help pathologists in diagnosing cancer more accurately and consistently, thereby reducing case error rates. That being said, people are still skeptical of the scope of AI in fighting this life-threatening disease. Irrespective of the speculation, Germany continues to establish a strong position in the AI space. Check out this video, where T-Systems' CEO discusses the use cases of AI not only in the business world but in the medical field as well.

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In this video, let's take a sneak peek into our humongous Central Secure Cloud Data Center II located in North America. This monumental server farm is the very guts of T-Systems' wildly successful cloud and digital services. T-Systems' CEO, Adel Al-Saleh talks about the general infrastructure of the data center, how the power supply and cooling solutions work, how we've managed to use green energy, and much more.

Adel Al-Saleh, T-Systems' CEO and board member of Deutsche Telekom AG, is hosting this new video series featuring trends and ideas designed to help shape the future of digitalization. Follow and connect with Adel Al-Saleh on LinkedIn.

This is exactly where T-Systems supports as a thought leader with inspiration on innovative topics. Learn how we can shape the next steps into our digital future together.

URL: https://www.t-systems.com/de/en/industries/automotive/solutions/catena-x

Win the race: T-Systems enables the automotive industry to unlock the potential of end-to-end sovereign data chains

Based on European principles of Gaia-X and IDSA (International Data Spaces Association), Catena-X empowers the automotive industry to harness the hidden business value by building end-to-end data chains throughout the automotive value chain. Catena-X orchestrates an environment in which manufacturers, suppliers, dealers, recyclers, business application developers, and platform & infrastructure providers participate equally to create a uniform standard for data sharing along the entire automotive value chain.

Catena-X uses existing Gaia-X architecture to address the challenges in automotive industry such as, supply chain resiliency, compliance, sustainability, and regulatory needs. Existing point-to-point networks do not capture the entire value chain which is essential for developing collaboration models. With Catena-X, companies can easily connect to novel business applications to become compliant, close information gaps and foster innovation. The flexibility offered to partners to develop and distribute solutions, apps, and data-driven business models, and monetize data lays the trustworthy architecture for the future of data economy.

How to get connected with dataspaces with sovereignty protection and build novel data products and power disruptive super apps.

T-Systems' industry knowledge and technical expertise enable us to provide 360° services and products for Catena-X. We carefully take into consideration your data journey and offer advisory workshops for "Catena-X Strategy & Concept" via our consulting partner, Detecon.

With our extensive experience in IT-system integration we help your system landscapes to get connected to Catena-X. As a pioneer in data space technology, we help companies to build their own data spaces to simplify data transfer and make data ready for Catena-X with full sovereignty protection.

T-Systems brings manufacturers and suppliers into the automotive data ecosystem.

A work result of the Catena-X Automotive Network consortium project, funded by the Federal Ministry of Economics and Climate Protection. Funding reference: 13IK004*

Source: https://catena-x.net/de/catena-x-einfuehren-umsetzen/einfuehrung-von-catena-x

With T-Systems' & Detecon's data sovereignty offering portfolio, companies of any size can find themselves to:

How to view data spaces as a supply chain for data – sovereign, decentralized and on-demand?

Find out how you can leverage the power of Catena-X network to extract better value of data across the whole automotive value chain.

URL: https://www.t-systems.com/de/en/industries/automotive/solutions/industrial-metaverse-with-nvidia-on

Realistic real-time simulation in the automotive industry with NVIDIA Omniverse and T-Systems

Simulations and models for virtual worlds are key tools in Industry-X. But creating realistic and complex 3D simulations for business applications has been a company's distant dream until now, due to a poor user experience and the lack of a real-time experience in the calculations. But this changes now: with the NVIDIA Omniverse, quicker and more accurate cycles for car production planning will be possible, for example.

Simulations and modeling in the automotive industry are complex. The NVIDIA Omniverse is now creating a never-before-seen realism for construction, product development, and digital factories, for example. The end-to-end platform combines the performance of high-end graphics cards with 3D framework Universal Scene Description (USD) to describe, consolidate, simulate, and collaborate in 3D worlds. Since USD is an open-source platform, individual implementations can be transferred to other platforms. The package is rounded off with ready-to-use modules for automotive applications, an on-demand usage model, and a comprehensive cloud and hardware offering.

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For example, the performance of the platform makes it possible to create digital twins of factories for virtual production. Planners and developers are already simulating the planning process before even breaking ground with live data and are therefore avoiding unnecessary

costs through planning errors in the early stages. Engineers can also conduct realistic and physically accurate tests on autonomous or assisted driving functions, including spontaneous influences on the journey. Another possibility is the combination of the latest digital car showrooms with interactive AI avatars: they have realistic colors and interiors and allow car buyers to have test drives from their home computer.

T-Systems is currently carrying out large industrial metaverse projects in Europe and has unique expertise in the 3D design, simulation, and implementation of AI-supported applications. We can guide stakeholders from consultation, planning, and implementation to operations. Key features of this support include the provision of data in an appropriate (consolidated) format from different data sources and the adaptation of basis modules, as well as the development of new platform extensions according to the specific requirements of the application scenario (e.g., for companies in the automotive industry).

* Field required

URL: https://www.t-systems.com/de/en/industries/retail-logistics-and-utilities/topics/connected-retail

Unifying omnichannel experiences and streamlining store operations for a connected future

Shops blend tangible products, expert advice, and interactive experiences. Retailers use digital solutions to upgrade shops, providing added value compared to online shopping. Smart retail technologies, a foundation for this, meet customer preferences for in-store shopping. Our solutions enhance the shopping experience and enable flexible in-store operations.

Retail industry can leverage data analytics, ServiceNow platforms, digitalization, and automation for operational excellence. Data analytics provides deep insights into customer behavior, enabling tailored services. ServiceNow streamlines workflows, ensuring efficient staff responses and customer interactions. Digitalization and automation enhance the overall shopping experience, from inventory management to checkout processes. These tech-driven solutions create a cohesive and responsive retail environment.

Connected commerce – Leading you towards a perfect omnichannel strategy for your business.

Contact us now to seamlessly connect with your customers, optimize store operations, and embrace the future of omnichannel retail.

Consumers are becoming more accustomed to shopping anytime, anywhere, and with any end device. Therefore, retailers need to offer their goods on all channels using a digitally supported omnichannel approach. They need seamless integration between brick-and-mortar shops, mobile shopping apps, and social media to be an end-to-end digital commerce retailer. T-Systems advises, develops, and implements the appropriate digital technologies, integrates them with existing PIM, ERP, or CRM systems, and redesigns existing portals and web shops to achieve this goal.

Retailers must deal with multiple processes like POS systems, refrigeration and air-conditioning systems, access control, merchandise listing, and hygiene regulations across several departments and multiple locations. Paper, phone calls, and emails take time, are error-prone, and have had their day in the digital world. Digitalization and automation save time and costs across the whole service chain and increase efficiency.

ServiceNow provides retailers with a central platform with which service workflows can be automated including deployment planning and spare parts management. This results in significant cost reduction through decreased manual effort and fast ROI.

Keeping your employees properly informed and enabling location-independent collaboration, allows you to bind your employees together into real teams. This is not so easy for retailers with many branches in different regions. Collaboration solutions such as employee apps with chat functions or push notifications, digital workshops, or video streaming help to reach everyone and improve internal communication. T-Systems offers GDPR-compliant collaboration solutions from the cloud and integrates them into existing systems which results in authentic communication and more productive teams.

Megatrends have a massive impact on retail. Changes such as increasing sales on the internet, omnichannel shopping, new business models, anything-anywhere-anytime, and smart stores have customers wanting to be inspired by retail and products. Data is one way that companies can meet these customer expectations with precision. Systematically collected and evaluated data analyses can be used to make more targeted decisions, for instance; which products excite people? What kind of service do customers appreciate? How should customer contact be individualized? Those who can answer these questions are able to create positive shopping experiences on the internet and offline.

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How do I keep track of all the relevant data for my store? This is a question that retailers have been repeatedly asking themselves in recent years. The answer is an SAP powered dashboard that provides all relevant information about the store and the team. For ideas on how to implement and present a prototype, watch the following video.

Customers are familiar with it from the Internet. When shopping online, they can find out everything they need to know about the product they want, get the opinion of other customers, and research whether they can get the product cheaper somewhere else. The digital kiosk system Digital Touchpoint enables customers to obtain information and advice about products interactively while in the shop. Retailers can present complementary products and if the right color or size is not available in the shop, the customer can order the goods to be delivered to their home using the display. This approach allows retailers to combine shopping in brick-and-mortar shops with online shopping.

Customers have long been familiar with this from the Internet. When searching for a specific product, shop operators selectively insert information about a product or provide information about special promotions in order to encourage customers to make a purchase. This is largely absent in physical stores. If a salesperson is not available, the customer is often left alone. Attempts to provide information via analogue advertising boards or leaflets on display are too static. Digital signage lets you inform customers about targeted discount promotions and product specifics in real time – directly at the POS or at the checkout.

Full vending machines, defrosted frozen products or long queues at the checkouts: Situations that can ruin the shopping experience for in-store customers. The solution: IoT sensors attached to freezers, shelves, cash registers or other equipment in the connected shop report critical

conditions to a managed IoT cloud platform. If, for example, predefined thresholds are undercut or exceeded, the platform informs the employees in the branch, who can then proactively remedy a problem. The data can also be used to optimize processes in stores.

Check each credit card receipt individually, compare it with the booking system and archive it digitally: Processing receipts costs clerks a lot of time and effort. This is made much easier with the help of digital software bots. The solution automates repetitive activities, thereby enabling employees to concentrate on more demanding activities. If the bot identifies an irregularity in the matching process, it automatically opens a ticket and sends a message to the responsible employee. The software bot also takes care of the archive and stores all checked documents there in digital form.

By providing charging stations for e-cars in car parks and multi-storey parking buildings, new marketing concepts can be implemented for shops and additional income can be generated. Retailers can, for example, offer customers e-charging at a special rate if they spend a certain amount on purchases. T-Systems provides retailers with the charging infrastructure for e-cars – from the planning to the realization to the commissioning of the charging points – and the management of the e-charging infrastructure.

Online shopping knows almost no bounds. Food, electronics, textiles: people are increasingly ordering online and bricks-and-mortar retail is becoming involved in the process for compilation and trade. One thing still bothers customers when shopping online: when exactly will the goods arrive? Many customers would also pick up their ordered goods themselves, just like at parcel stations – if possible, also outside the official opening hours. The solution: pick-up stations offer an alternative to delivery and enable customers to pick up goods themselves without having to make contact – around the clock.

How many people are currently in the shop? How long is the queue at the changing room or checkout? Regulations from the authorities have unexpectedly made access management an issue during the corona period. How can visitor flows in branches be controlled automatically – from the entrance to the checkout? And how can you ensure that the sales rooms are not overcrowded? Instead of having to assign sales staff or hire additional security personnel for this purpose, retailers can keep track of all incoming and outgoing customers in the shops with access management, a traffic light solution.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/azure-managed-cloud-service

Azure Arc empowers T-Systems to manage your complete IT landscape and security in any public and private cloud

Hybrid and multicloud are common patterns – in short: a polycloud. Running applications and enforcing governance in their polycloud are huge challenges for customers. Polycloud environments provide the most flexible deployment options for your applications whether they are implemented on virtual machines, on Kubernetes, or serverless. Security and governance enforcement on any deployment option is done with T-Systems Managed Azure Arc.

Azure Arc spans a control pane in Azure for any application in the polycloud, whether the application runs on a virtual machine in Azure, in a Kubernetes cluster in a private cloud, or in any infrastructure of the other Hyper-Scaler clouds. All corporate IT operations governance rules can be applied to any infrastructure with Azure Arc. T-Systems provides a unique Azure Arc implementation in the Managed Cloud Services for Azure to empower our customers to benefit

from all options and leverage your application engineering knowledge in any place you ask us to run your application.

Azure Arc can manage virtual machines and the operating system on servers. Kubernetes clusters can be managed to any extent by Azure Arc. for Kubernetes. With Azure Arc's enabled services, you can run Azure data workloads, functions, and app-services in any cloud. The Azure Arc family will be extended soon with the capability to maintain VMware infrastructure as well. As of today, Azure Arc facilitates efficient running of the applications and deploy them in any kind of infrastructure, whether in the cloud or on bare metal servers.

Do you have more than one IT provider? Then you usually manage each environment using the provider's own tool. This is certainly time-consuming and not efficient. With Azure Arc, you can manage your entire IT infrastructure in one place, because Arc can visualize and even manage every part of the IT infrastructure, enabling full inventory and management of workloads. Do you want to run native Azure services on any infrastructure? Keep your data on-premises or in a private cloud and bring native Azure services to your environment. Thus, you can fulfill compliance demands and exploit the benefits of the cloud to scale.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

URL: https://www.t-systems.com/de/en/about-t-systems/innovation-management/werner-von-siemens-cen

At the Werner-von-Siemens Centre, scientists are developing practical industrial solutions based on T-Systems' 5G network

From innovation to production as quickly as possible: At the Werner-von-Siemens Centre for Industry and Science (WvSC) in Berlin, technologies such as artificial intelligence, voice control, and augmented reality are developed for practical use in real production environments. Featuring high bandwidths, minimal latency, and maximum availability, Telekom's 5G Campus network makes innovative industry-related applications possible – such as autonomous mobile robots for production and logistics.

Achieve data-driven production and automate it intelligently: This is possible with a comprehensive package consisting of robots and software from KUKA, edge computing resources from Intel, and EdgAIR managed services from T-Systems. Data from machines, autonomous robots, and manufacturing plants help capture and improve production performance. This way, it is possible, for example, to optimize throughput times, reduce energy consumption, and quickly identify and rectify faults. It is highly secure since it can be used without an Internet connection – and is also suitable for small and medium-sized enterprises (SMEs).

The WvSC will showcase not only autonomous mobile robots but also numerous other fields of application for innovative production. T-Systems and its partners have developed practical solutions for:

Thus T-Systems, together with Commerzbank, is developing end-to-end automated supply chains with integrated financial services in the WvSC – making supply channels more efficient, transparent, and resilient.

Simplify planning processes by using 3D visualizations of machines and devices. Automate

processes such as transport and maintenance using the T-Systems Autonomous Logistics Platform. Make use of AI-powered computer vision technology to track objects in real time and obtain accurate analytics on usage and performance. Provide operators with AR overlays ("data glasses") to assist them digitally. Or use the Connected Voice Assistant to control machines and devices using voice commands. The WvSC offers all this and much more.

Experience new edge digitalization of intralogistics with T-Systems' 5G autonomous logistics solution.

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Robots dashing around independently and taking lifts on their own – it sounds like science fiction, but with Deutsche Telekom's fast 5G network, it's a future that is within reach. You can learn all about the smart factory of the future at the Werner-von-Siemens Centre in the Siemensstadt 2.0 city of the future in Berlin-Spandau.

Do you have any questions about projects such as 3D visualizations, automation, or AI-supported computer vision? Our experts are happy to provide assistance and advice.

In the innovation centers from T-Systems, experts and customers are working together to develop digital solutions that will shape the future.

URL: https://www.t-systems.com/de/en/cloud-services/solutions/public-cloud/azure-managed-cloud-service

Explore our Managed Azure services and how it can help you drive positive business outcomes

As work environments get increasingly digitalized, the demand for compute capacity and quicker go-to-market with disruptive digital and cloud native solutions becomes a burden to businesses. Migrating to Microsoft Azure is one of the answers to it – but what about mastering the increased security, resource protection demands, and continuous delivery of application updates in Azure? Do you possess the required skillset and talent to make this happen?

T-Systems' Managed Cloud Services for Azure service is a complete lifecycle management for any kind of application in Microsoft Azure. We deploy, update, and patch applications in close partnership with our customers. We take care if something breaks in the application, irrespective of the infrastructure providing the runtime for your applications. Managed Cloud Services for Azure is designed according to Microsoft scalable Enterprise Landing Zone pattern. It implements best practices and experiences and incorporates all elements of the Cloud Adoption Framework.

The service comprises two services tiers: Foundation – forms the base configuration and deployment of the secured Azure Landing-Zone modules, and Advanced – fulfils customers' needs with T-Systems' operational excellence for the application and infrastructure in Azure. Our Managed Azure services allow our customers to focus on their business while we do the heavy lifting of deploying, managing, and securing cloud resources.

Develop and manage applications more efficiently with Managed Services for Azure

Each cloud journey starts with a proper planning and definition of security, governance, and organizational guardrails for a scalable and secured cloud usage. No matter where you are in your cloud journey, we assess, support, and consult you in Azure by analyzing your IT landscape and needs via our cloud migration framework.

With T-Systems' Managed Cloud Services for Azure, we will perform the following steps to implement a production-ready Azure environment following best practices and addressing your business requirements:

Additionally, a regular update process ensures that the implementation is not a one-time event, but one that considers future changes and updates to Azure along with best practices and service enhancements.

This white paper helps you learn about the various factors that are crucial for a successful cloud transformation and illustrates how you can maximize cloud's potential.

T-Systems is a member of Microsoft's Expert Managed Service Provider program and a worldwide Gold and Premier partner. T-Systems has over 1,500 transformation specialists and 2,000 Microsoft-certified experts advising customers on the development of a secure infrastructure and the selection of services and tools along with providing billing, support, management, and network services.

Deutsche Telekom's telecommunication, network, security, and IT operational excellence in Microsoft Azure empowers customers to increase their productivity, build more agile and resilient operations and deliver new Azure backed offerings faster.

We would be happy to provide you with the right experts and to answer your questions about planning, implementation, and maintenance for your digitalization plans. Get in touch!

Learn how Zuellig Pharma modernized its infrastructure to drive reach, reliability, and speed for their customers.

Tirol Werbung gets a central coronavirus dashboard for tourism companies and holidaymakers up and running in just four weeks.