



Software Products

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Sofware Products

Unique concepts. Simple paths. Memorable stories

Our software solutions cover a diversified array of options for impactful digital content creation, taking an interactive approach.

Power 3D application can be used to:

- generate creative animations and visual graphics
- introduce digital twin use cases and gamification features
- create real time simulations which can be smartly combined with 3d model building
- build interactive light panels and hologram display
- allow AR/VR navigation
- add security and traceability

Sofware Products

Unique concepts. Simple paths. Memorable stories

Based on valuable features and AI algorithms, the solutions are applicable in designing and building special

- interactive presentations
- exhibitions booths
- gaming setups
- virtual tours
- digital advertising corners
- how it works experiences
- how is made examples
- 3D training and services programs
- objects configuration

01 - Animations

Animate and level up

We create animations and visual effects applicable to a broad range of businesses, from technical to luxury, whether you have the 3D data or we need to model and render it accordingly.

The resulting video contents can be seconds or minutes long, at full HD or 4k resolution, acting as visual narratives useful for trainings programs, marketing campaigns and strategy or customer experience transformations.



Animations

01 - Animations

Animate and level up

Taking it to the animation level and investing into a video series strategy will be an upgrade in your concepts promotion, sending the customers a clear message about the value and functionalities of your products, services, processes or systems.

A 3D animated project makes it easier to show how your products work or what your processes are, revealing what cannot be seen, through visual effects and features highlighting in a dedicated setting. The customers will therefore get familiarized more quickly with your concept and will have a better overall image of it, be it a technical part, an entire machine and its moving components or an entire production line.

Using an animated video is known as a standard best practice for customer experience journeys improvement, new paths creation and conversion increase, with every second of it useful in digital advertising campaigns and branding materials production (brochures, website graphics etc).

Animation Features

01

User Friendly Presentation of Production Lines

Catch even the most subtle differences between same range products

02

Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products

03

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

Animation Features

04 Optimum Designs Achievement

New product ideas generation not just variants, instant captures and annotations saved in the application

05 Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage costs

06 Customer Experience Reshaping

Flexible interaction tools, wide variety of formats and protocols

02 - Power 3D

Empower your story

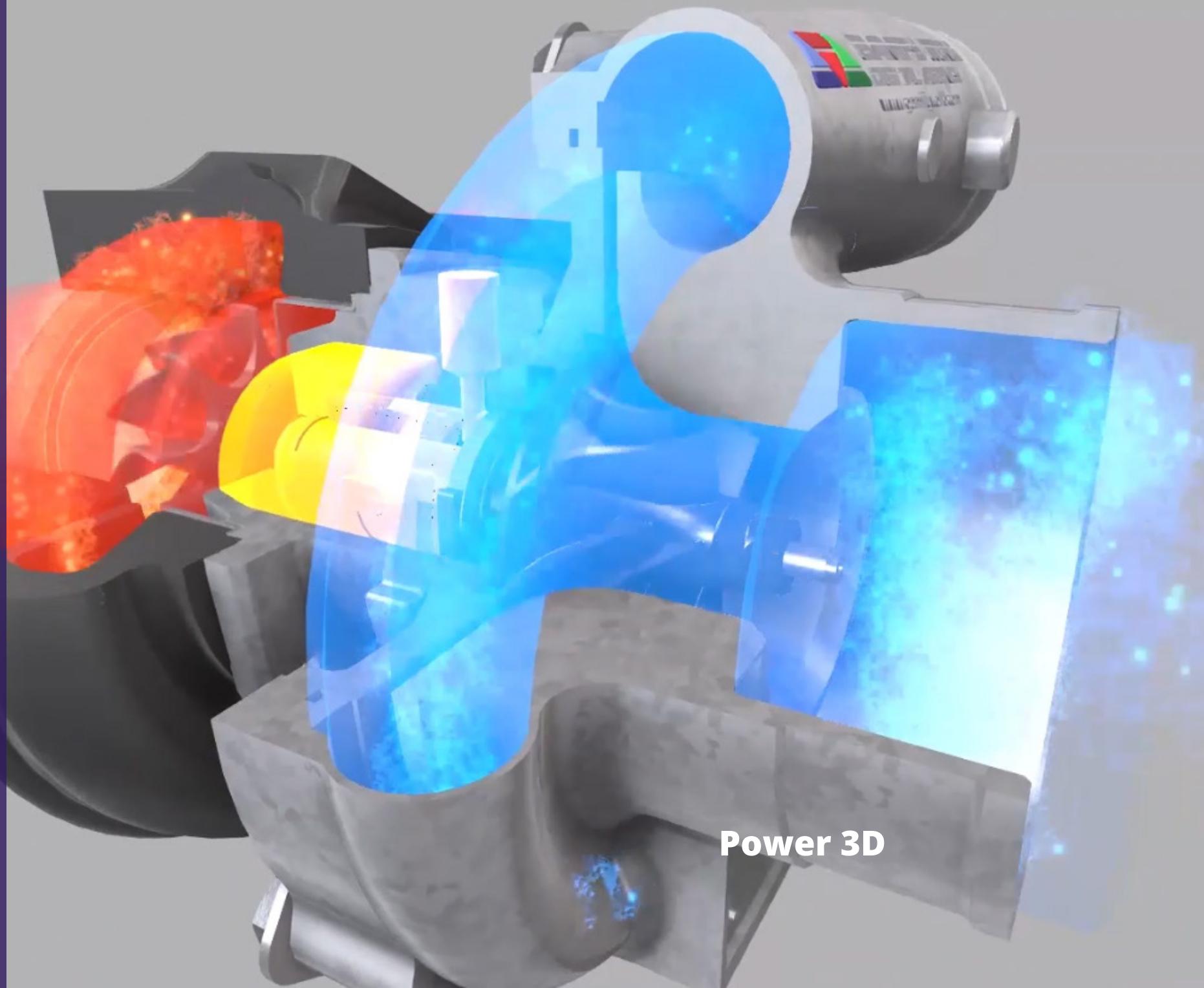
We develop and customize solutions for communicating any concept, no matter how complex, through interactive simulations, digital design and the power of 3D model rendering, an upgrade from PowerPoint presentations.

Empower by simplifying.

'How it works' projects:

Turbocharger

Hydraulic torque wrench



Power 3D

02 - Power 3D

Empower your story

Our interactive simulator empowers by simplifying.

The transformative characteristics of 3D model design and gamification features are leveraged by a platform that incorporates:

- more than 16 software components
- digital twin concept
- 3D animations and explosion views
- high standard graphic tools
- AR/VR and mixed reality support
- best suited AI algorithms
- strong security and ERP integration options

02 - Power 3D

Empower your story

A personalized content will shift the focus towards

- customers - product interaction
- to their being able to build their own product (as opposed to promoting specific features only)
- to better and faster purchase decisions, anywhere, anytime

The application tackles a variety of use cases.

It can integrate almost any gaming visual effect and allows potential customers to experience your concept in 3D

- explore it from any angle
- move it around
- zoom in or out
- explore how is made both inside and out
- visualize forces and flows direction with the use of colors

It also supports AR/VR addition for an immersive and more memorable experience.

02 - Power 3D

Empower your story

In one of our projects, describing an automotive system in great detail, we implemented an easy to follow way to show an operating engine, as the application can separate and animate any technical components, shows cut-away views and floating parts, allows tagging, simulates explosion effects, uses color highlighting and much more. Everything can be easily adapted to present almost any product, process or service.

The application also supports real-time, simultaneous complex animations of hundreds of elements, such as an entire plant simulations and visibility in the operations of the machines as well as in the larger interconnected systems.

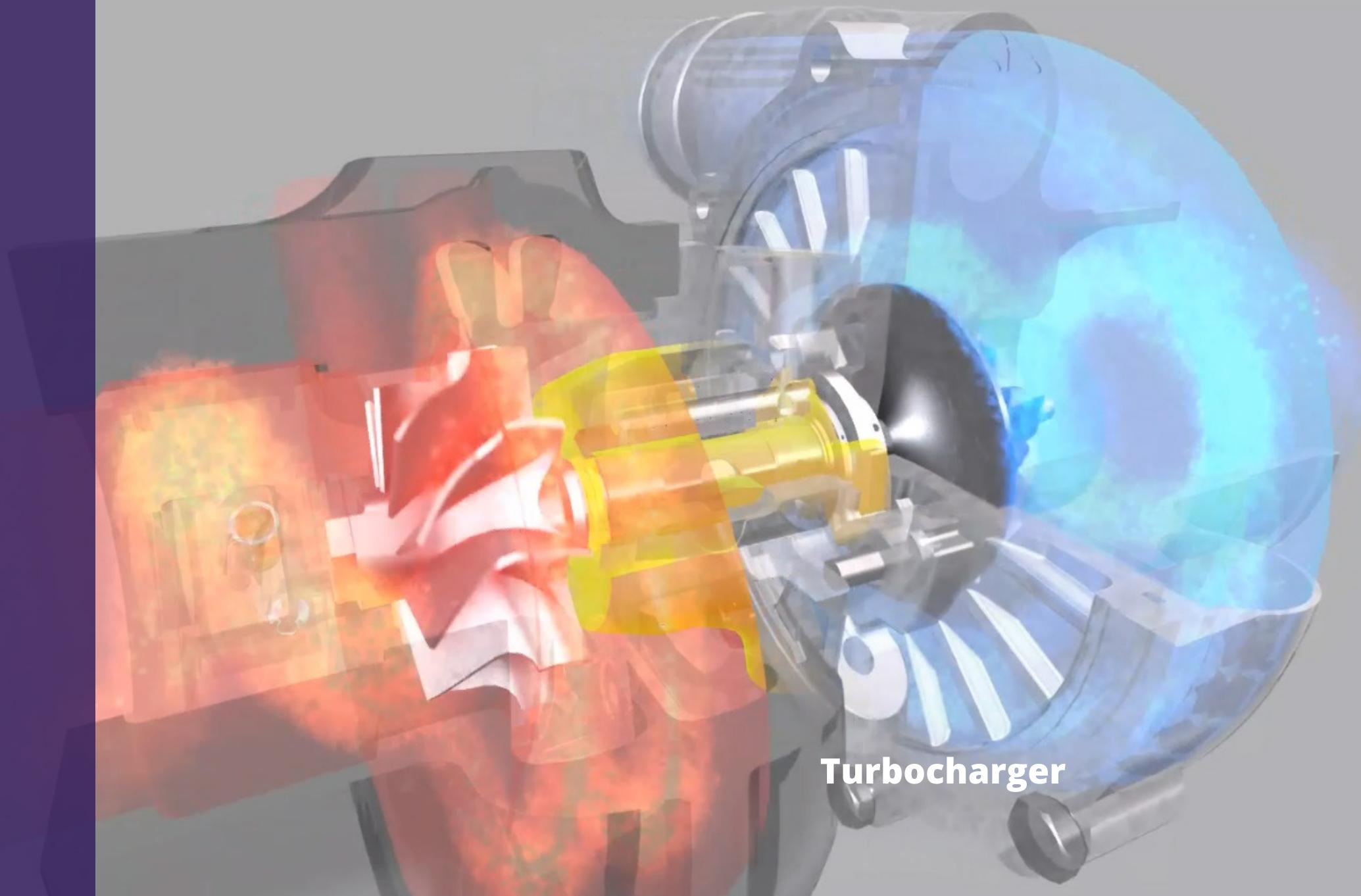
02 - Power 3D / Turbocharger

Project Example

A project that describes a turbine-driven forced induction device functionality.

We integrated in the presentation 3D animated components (turbine wheel, compressor wheels, bearing system etc) and real-time simulations, showing how the pieces combine and the working flows (exhaust or air inlet/outlet), cut-away views, floating parts, explosion effects, color highlighted cooling passages.

With proper upgrading, it can be used to create online presentation of any turbine-based system (engine, car) or in exhibition set ups, together with 3D interactive models, lighting panels, videowall or interactive hologram outputs.



Turbocharger

Project Features / Turbocharger

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Desktop and Mobile Browsing

WebGL based, PC and mobile phones (Android and iOS) applicable. Online functionality, highly secured site, traceability logistics, proper access rights granting

03

Comprehensive Booth Concept Support

Interactive and user-friendly presentations, boosted visibility in exhibitions, events or shops

Project Features / Turbocharger

04 *Customer Attraction*

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

05 *Productivity*

Optimized workflow in deploying IoT devices

06 *Sales Increase*

Robust configuration, on the spot pricing, direct sales contact, photo and video capture, traceability solutions

02 - Power 3D / Hydraulica

Project Example

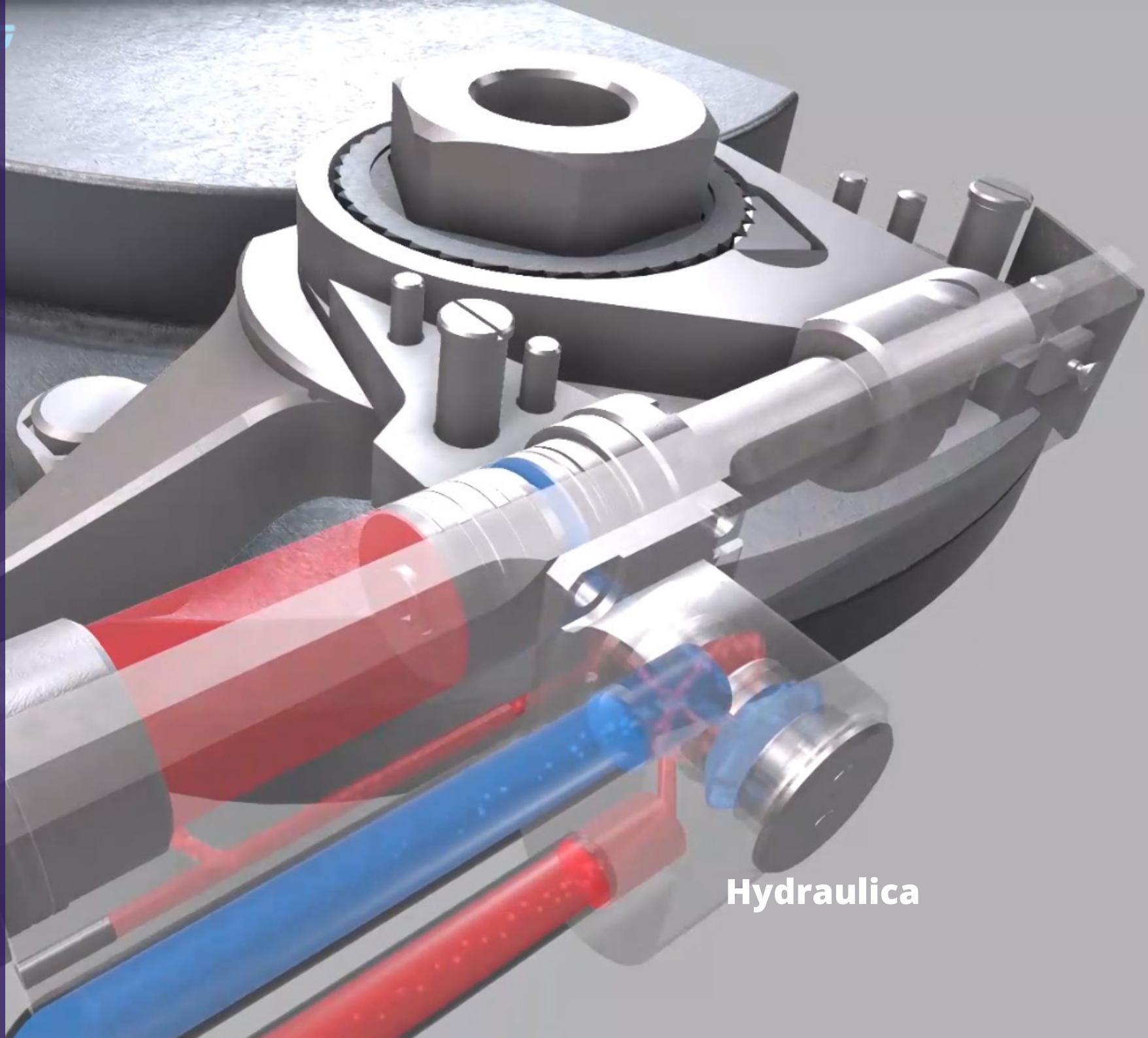
A project that describes a system of two hydraulic torque wrenches, its components and their interactions, as an interactive simulation of a hydraulic torque wrench and its functionalities, separately and as part of a system.

Every technical component (reaction arm or boot, drive retainer, reaction pawl lever etc) is separated and 3D animated, showing in an easy to understand manner what happens during bolting/unbolting time, how the torque is generated by hydraulic means or if it is distributed everywhere, how a bolt gets tightened/untightened to a specified torque, twisting or rotating forces and their direction.

Everything can be interactively explored from any angle, inside and out, can be moved around, zoomed in or out, through great visual effects (cut-away views, transparencies, floating parts, exploded views, flow colors, fog etc.).

With proper upgrading, it can be used to create online presentation of any system containing hydraulic torques or in exhibition set ups, together with 3D interactive models, lighting panels, videowall or interactive hologram outputs.

Another Power 3D derived application is 3D Service & Training, which integrates easy to follow ways of multiple troubleshooting scenarios, such as products replacement or repairing.



Hydraulica

Project Features / Hydraulica

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Desktop and Mobile Browsing

WebGL based, PC and mobile phones (Android and iOS) applicable. Online functionality, highly secured site, traceability logistics, proper access rights granting

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Comprehensive Booth Concept Support

Interactive and user-friendly presentations, boosted visibility in exhibitions, events or shops

Project Features / Hydraulica

04 *Customer Attraction*

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

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Optimized workflow in deploying IoT devices

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Robust configuration, on the spot pricing, direct sales contact, photo and video capture, traceability solutions

03 - Digital Twin

Real and digital worlds intertwined

Make the unicity of your concept memorable

A digital agency brings interactive, attractive and user-friendly digital content for presenting products, services, systems or processes. And we are one.

Every solution is tailored to your requirements and we can provide every software and hardware material needed and adjust it accordingly, to make your presentations impactful.

Our showcasing solutions are developed as combinations between

- Power 3D application
- dedicated scenarios
- real time simulations
- interactive 3D models
- interactive light panels
- holograms and holographic systems
- gaming accessories
- VR/AR technology options
- videowall projections and touchscreens



Digital Twin

03 - Digital Twin

Real and digital worlds intertwined

We integrate the digital twin concept in our offerings as a path towards real time capture, understanding, and testing.

Sensor driven data and digitalization progress allow use cases across various sectors, be it automotive, manufacturing, healthcare or any other industry.

The communication between the physical system and its virtual copy facilitates design and functionality representations, manufacturing processes or entire plant simulations, visibility in the operations of machines or larger interconnected systems and insight gains that help improving the existing products or creating new opportunities, even preventing failure occurrences or outages.

With a correct design and proper approach, a digital twin model can be used to connect with the backend business applications (ERP/MRP), to achieve more efficient business outcomes in the context of production and supply chain operations.

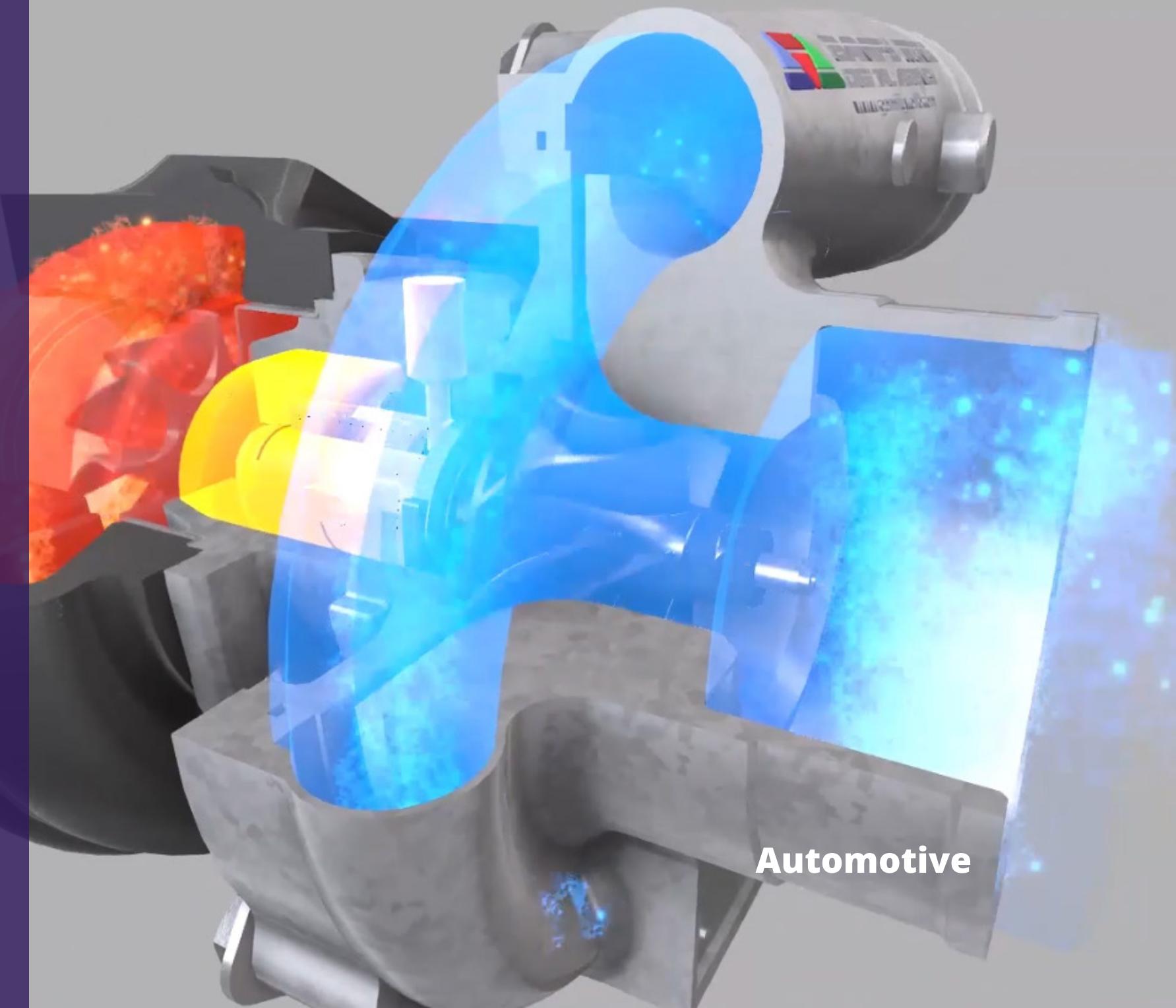
We offer an easy, interactive and friendly way to package and present the benefits of using the latest technologies, how they work and their overall impact and to deliver the right message, through interactive simulations and interesting presentations.

Automotive

Make it comprehensive - serious story, wise playground

Using technical animations and interactive simulations of the physical values implemented in the platform, we built an interactive presentation that allows users to easily explore an entire car system, down to its finest details, what is under the hood or how auto parts work together to make the system functional.

An overall engine operation as a practical example - how pressing the throttle pedal will action the injection system boost, thus allowing air flow into the turbine and increasing the engine power.



Automotive

Automotive

Make it comprehensive - serious story, wise playground

A comprehensive “how it works” tour, an interactive simulation of the entire car, down to its smallest parts. Every technical component (engine, transmissions, ABS or ESP systems etc.) is separated, animated and highlighted with many effects, such as:

- cut-away views
- transparencies
- floating pieces and exploded views
- tagging
- exploration from any angle
- inside and out
- rotations
- zoom in or out
- forces and flows direction visualization with the use of colors

We offer an easy, interactive and friendly way to package and present the benefits of using the latest technologies, how they work and their overall impact and to deliver the right message, through interactive simulations and interesting presentations.

Automotive Features

01

Overall 'How It Works' Experiences

Storage and display of hundreds or thousands (even up to millions level) of products or elements

02

Innovative Solution for Large Database Management

WebGL based, PC and mobile phones (Android and iOS) applicable. Online functionality, highly secured site, traceability logistics, proper access rights granting

03

Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

Automotive Features

04

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

05

Customer Experience Reshaping

Flexible interaction tools, wide variety of formats and protocols

06

Reduced Product Return

Better informed customers, more confidence in making the purchase

Agriculture 5G

Cultivate smart farming

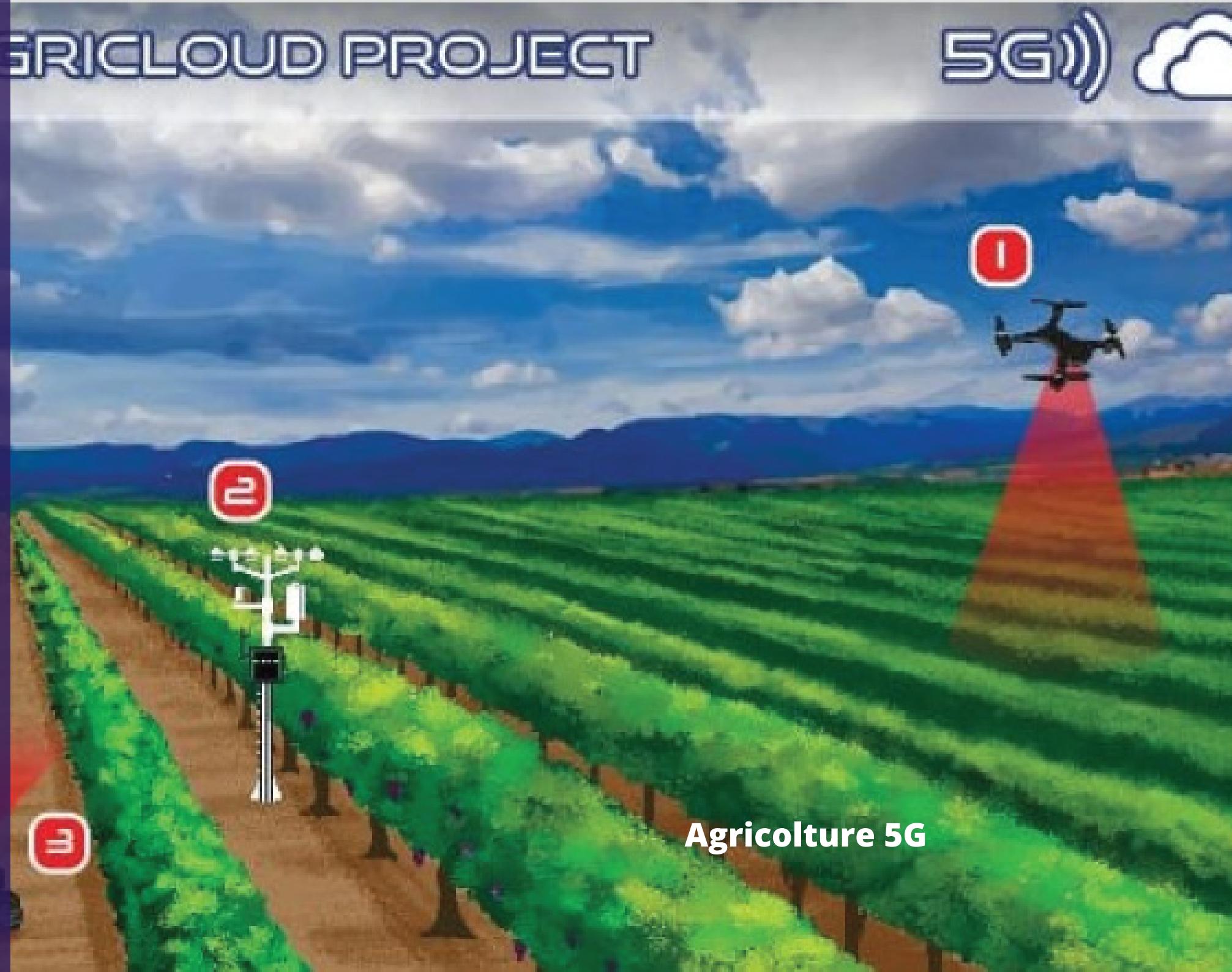
We help smart farming providers to describe their solutions and services with easy to understand, interactive and user-friendly presentations.

Our application provides an interactive way to present smart farming, how it works and the benefits it brings, by gamifying the concept and using real time simulations, useful for meetings or exhibition set ups.

Helpful in addressing even an audience that is not familiarized with the latest technologies developed in the agricultural industry, such as sensors, drones, robotics and automation, telecommunication, big data, cloud, IoT enablers.

AGRICLOUD PROJECT

5G))



Agriculture 5G

Agriculture 5G

Cultivate smart farming

Smart farming solutions deliver a message about how much faster the adopters can understand the lays of a land, the high-risk areas, where fertilizer and treatment are needed the most, livestock maturity and nutrition level, the appropriate harvest segmentation and timing, which irrigation planning is more efficient. And we can help the providers to deliver this message to their potential customers in a clear and friendly manner.

Agriculture is an evolving industry, leading to smart farming, where better informed farmers can use modern technologies for improved qualitative and quantitative production. A farmer knows the lays of his land but still needs better yield, so a different approach of knowledge is required, including adaptability to new methods.

This optimization process comes with software-managed, sensor-monitored concept and infrastructure support system. It involves sensors (soil, light, humidity, temperature scanning and management), telecommunication (GPS), IoT, robotics and automation, data analytics (decision making, predictions, field portioning, diagnosis), drones (data gathering and sending to central systems, live remote monitoring), simulations and interesting presentations.

Agriculture 5G

Cultivate smart farming

An improved connection, based on 5G technology, together with AR/VR, can bring measurable and visible results in the cost management, quality and quantity of products, waste reduction, anomalies tracking, demand and delivery forecasts. These lead to an increased precision and productivity, both qualitative and quantitative, to cost reduction and production maximization.

We offer an easy, interactive and friendly way to package and present the benefits of using the latest technologies, how they work and their overall impact and to deliver the right message, through interactive simulations and interesting presentations.

Agriculture 5G Features

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

03

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

Agriculture 5G Features

04 *Productivity*

Optimized workflow in deploying IoT devices

05 *Sales Increase*

Robust configuration, on the spot pricing, direct sales contact, photo and video capture, traceability solutions

06 *Reduced Product Return*

Better informed customers, more confidence in making the purchase

Industry 4.0

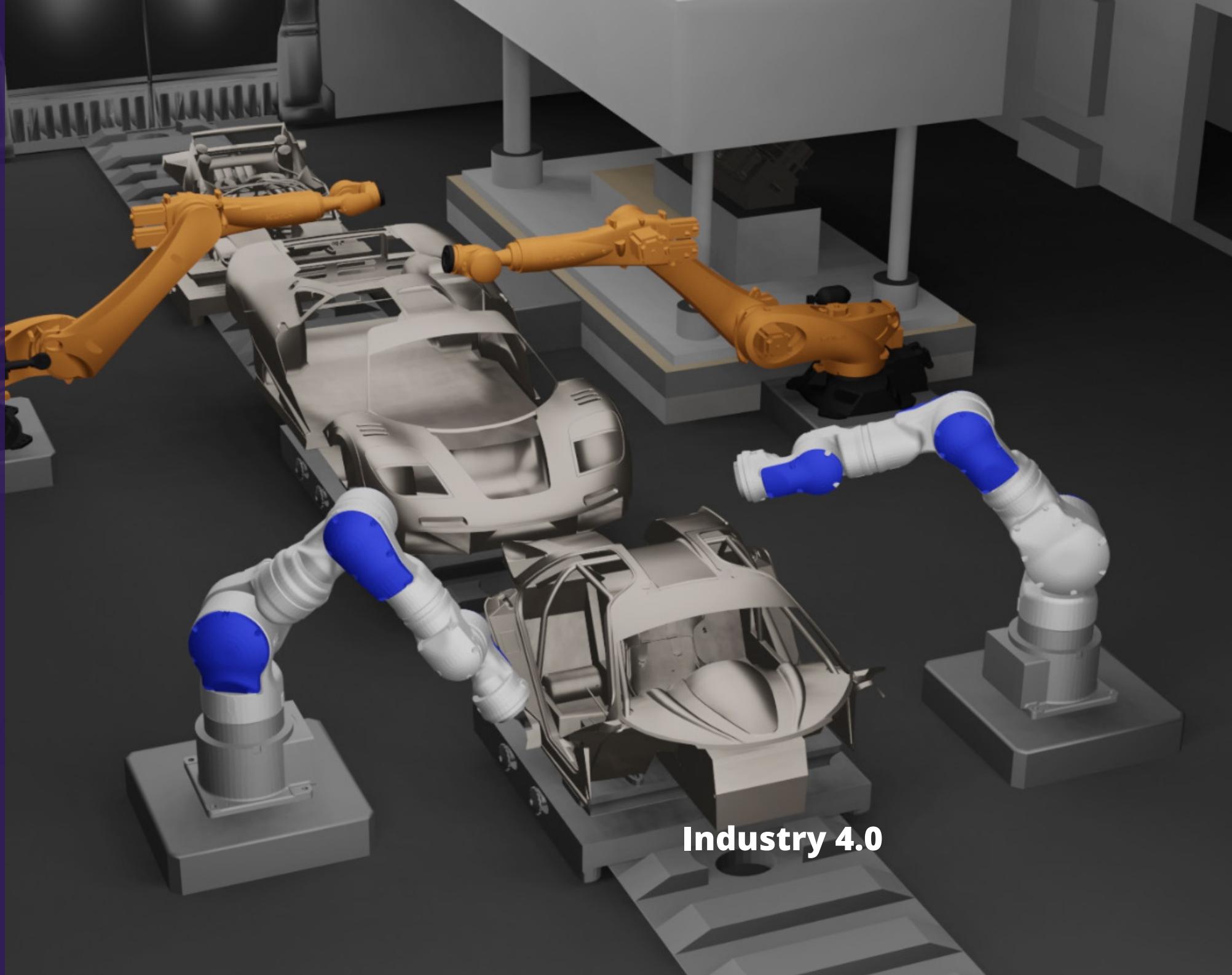
Manufacture the connection, communication and optimization

Our application can develop interactive presentations that simulate a line or entire plant events, with visibility in the machines operations as well as the larger interconnected systems.

As you understand present innovation for a better future, we can help in addressing your customers with interactive stories about your processes.

Transform your presentations into how it works experiences, with the help of:

- digital twin for manufacturing
- gamification elements
- 3D modeling software
- dedicated scenarios
- real time simulations
- great visual effects and color highlights



Industry 4.0

Industry 4.0

Manufacture the connection, communication and optimization

The solution is comprised of a command interface and a warehouse 3D model, synchronized with the use of signals, based on the diversified data about the undergoing process, working conditions or machine characteristics, data continuously gathered and communicated by the digital replica.

A first section is used for tracking the state of machinery in real-time, through collecting data sensors, showing graphics of the environmental conditions, live processes, coded per completion statuses, stages or urgency levels, load per each machine, work in progress or historical, measured parameters, monitored events.

The 3D model simulates undergoing operations, machinery statuses, course or motion corrections of the robots used, as per the signals received from the command section.

With a correct design, a digital twin model can be used to connect with the backend business applications (MRP) for focus on what needs attention and to achieve more efficient business outcomes, in the context of production and supply chain operations.

Industry 4.0

Manufacture the connection, communication and optimization

Connected supply chains can more easily accommodate and adjust to any new information received - for example, a connected system can proactively adjust to a weather impediment or accident and modify the manufacturing priorities.

Factories can become more efficient and productive, even less wasteful, based on networks of digitally connected machines, that create and share information. Machines using self-optimization and configuration, artificial intelligence based, to complete complex tasks will enable quicker optimization of operations and maintenance, higher productivity, higher cost efficiencies and better-quality goods or services.

IoT and AI can enhance risk management, predicting and understanding various risks and introducing feedback automation, sensors to modify network settings real-time, ensuring sufficient bandwidth and connectivity.

We offer an easy, interactive and friendly way to package and present the benefits of using the latest technologies, how they work and their overall impact and to deliver the right message, through interactive simulations and interesting presentations.

Industry 4.0 Features

01

Desktop and Mobile Browsing

WebGL based, PC and mobile phones (Android and iOS) applicable.
Online functionality, highly secured site, traceability logistics, proper access rights granting

02

Comprehensive Booth Concept Support

Interactive and user-friendly presentations, boosted visibility in exhibitions, events or shops

03

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

Industry 4.0 Features

04 *Productivity*

Optimized workflow in deploying IoT devices

05 *Enterprise Ready*

ERP integration platform and service, cloud enabled accounts setting, bi-directionally data sharing with other critical enterprise applications

06 *Sales Increase*

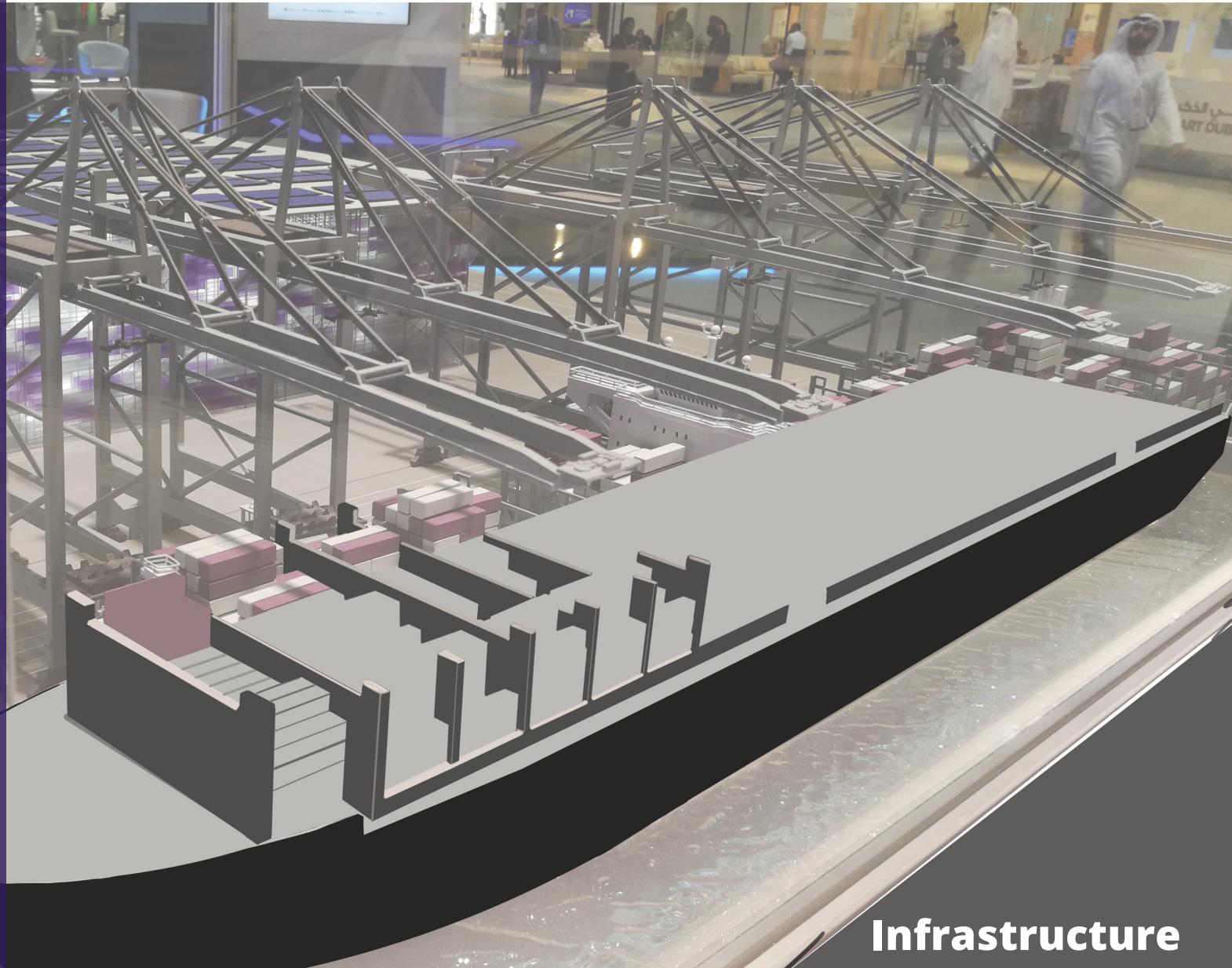
Robust configuration, on the spot pricing, direct sales contact, photo and video capture, traceability solutions

Infrastructure

Describe the network - monitor, control, predict, prevent

Using the digital twin concept and an elaborated infrastructure masterplan model, we can develop interactive presentations to look into the combined movement in traffic, be it vehicle-to-vehicle or vehicle-to-infrastructure. Interactive scenarios simulation of various events that can happen in day-to-day traffic or in special conditions, using

- minigames
- digitalization
- great visuals
- 3D models
- AR/VR tech



Infrastructure

Infrastructure

Describe the network - monitor, control, predict, prevent

Digital twin technology allows detailed information about a physical object to be shared with a larger number of agents, unconstrained by physical location or time.

The latest developments in mobile technology come with the need of infrastructure changes but also with innovative use cases, especially for transportation industry and traffic projections.

Our representation solutions bring multiple and customized scenarios simulation, such as

- how the traffic gets suspended in case of accidents
- what happens in case of an accident in a tunnel or on a highway
- how traffic lights can adapt dynamically to the traffic flow to minimize unnecessary delays
- how vehicles communicate to each other during road fluctuations
- how systems can be used for dangerous situations anticipation and avoidance
- what leads to less traffic congestion
- how the driving experience can be optimized

Infrastructure

Describe the network - monitor, control, predict, prevent

The movement towards machine communications will allow cities and the correspondent transportation infrastructure to transmit real-time data that sustains better practices to monitor, control, predict and prevent accident and critical incidents.

Actionable data will lead to increased safety and reliability, improved maintenance and greater operational efficiency.

We offer an easy, interactive and friendly way to package and present the benefits of using the latest technologies, how they work and their overall impact and to deliver the right message, through interactive simulations and interesting presentations.

Infrastructure Features

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Innovative Solution for Large Database Management

Storage and display of hundreds or thousands (even up to millions level) of products or elements

03

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

Infrastructure Features

04 *Customer Attraction*

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

05 *Flexible Output Solutions*

Touchscreens, videowall projections, holographic system

06 *Reduced Product Return*

Better informed customers, more confidence in making the purchase

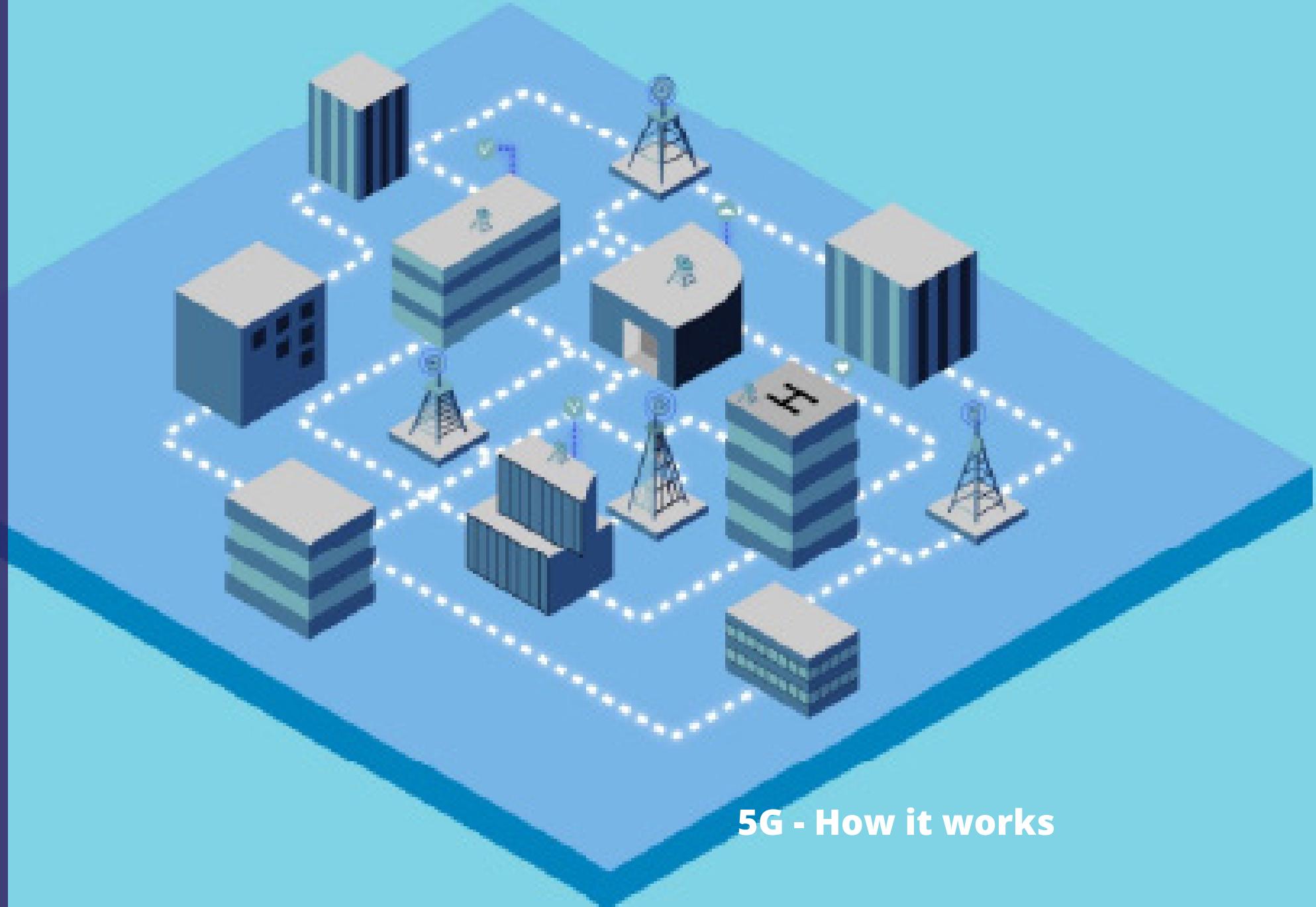
5G - How it works

Connectivity and all its forms

We rely on the digital twin concept for developing interactive presentations, enabling the modelling of an urban planning model or just a network area, along with

- simulation of all the aspects that make up a community
- relevant participants and institutions and their connectivity
- predefined points of focus
- complete view over city operations

5G connectivity will change the way we travel, the security, insurance and administrative landscapes, the transportation and infrastructure industry, coming with increased safety and sustainability, remote monitoring, navigation and scalable ecosystems.



5G - How it works

5G - How it works

Connectivity and all its forms

We can support city planners, or other parties concerned, to easily outline and communicate the variables that go into municipal management. This is enabled by:

- digitalization
- gamification accessories
- great visual effects
- interactive 3D models
- scenarios simulation
- AR/VR applications

The variables can include:

- a more streamlined collaboration between the public or private institutions (hospitals, schools, airports, banks etc)
- urban control processes
- rapid identification and addressing of critical situations or safety vulnerabilities
- disasters prevention
- more efficient energy consumption indexes

5G - How it works

Connectivity and all its forms

Flexible and instant connectivity between devices and data sharing, unconstrained by physical location or time, will come with many use cases, across many fields.

The city hall can use interactive informative panels, where citizens can watch fire interventions scenarios, simulated on screens (water on, backup illumination, evacuation scenarios).

In terms of mobility, infrastructure responsible parties can present everything that goes into people or goods transportation.

Healthcare providers can highlight how advanced networks will help transform healthcare industry - remote patients monitoring in real-time, optimized operations in hospitals, care procedures coordination, faster and more accurate diagnoses, automated tasks or new treatments development.

We offer an easy, interactive and friendly way to package and present the benefits of using the latest technologies, how they work and their overall impact and to deliver the right message, through interactive simulations and interesting presentations.

5G Features

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Desktop and Mobile Browsing

WebGL based, PC and mobile phones (Android and iOS) applicable. Online functionality, highly secured site, traceability logistics, proper access rights granting

03

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

5G Features

04

Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

05

Customer Experience Reshaping

Flexible interaction tools, wide variety of formats and protocols

06

Enterprise Ready

ERP integration platform and service, cloud enabled accounts setting, bi-directionally data sharing with other critical enterprise applications

Interactive Booth

Playground for wise ideas

Great built-in features make the Power 3D application adaptable to diversified representations, for ideas and products across various sectors, allowing real-time simulation and automatic design configuration.

Visitors can go through a step by step discovery and immersive experience, completed with dedicated equipment

- videowall projections
- interactive models
- interactive light panels
- holograms and holographic systems
- touchscreens
- AR/VR and mixed reality tech support



Interactive Booth

Interactive Booth

Playground for wise ideas

We integrate in our presentation projects the gamification concept, digital twin and 3D modelling to enable the simulation of the physical original in digital space, as complete and game like tours.

These are complemented with high-quality visual effects

- animations
- exploded views
- transparency
- color highlighted flows or statuses
- fog and dedicated professional equipment
- interactive light panels
- interactive 3D models
- holographic systems

Interactive Booth Features

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Comprehensive Booth Concept Support

Interactive and user-friendly presentations, boosted visibility in exhibitions, events or shops

03

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

Interactive Booth Features

04

Quality of Leads Increase

Conversion rates increase, prospects learning your concept and its particularities during the configuration process

05

Flexible Output Solutions

Touchscreens, videowall projections, holographic system

06

Reduced Product Return

Better informed customers, more confidence in making the purchase

Interactive Booth / Automotive

Project Example

The automotive application can simulate anything from a high-level car system down to each of its components and their interaction - through 3D features, gamification elements, technical 3D animations, exploded views, real time simulations. Any technical components of the car (engines, transmissions, ABS or ESP systems etc.) can be separated and 3D animated in a dedicated environment.

The animations and simulations provide an accurate display of the technical parts, their montage, respective features, how they work and how they can be used. The application can go down to cut-away views, transparencies, floating parts and exploded views, tagging, exploring from any angle and how is made both inside and out, moving it around, zooming in or out, visualizing forces and flows direction with the use of colors.

The game like experience can be enhanced with videowall or hologram output of the features, interactive model guidance driven by sensors, touchscreen or tablets.

An innovative and interactive set up concept which we can deliver as a ready-made project or alternatively develop in collaboration with our customers.

Interactive Booth / Lego competition

Project Example

No matter the age, people are always up to a play and try to win exercise. Gamification, digital play and robotics can be combined for a solution to engage visitors in an interactive competition of Lego solving.

The visitors are challenged to put the pieces together with the help of robots, by maneuvering their respective digital copy with specific gestures or using joysticks. The setup can be completed with videowall display of the action, interactive model guidance and holographic systems.

An innovative and interactive set up concept which we can deliver as a ready-made project or alternatively develop in collaboration with our customers.

Interactive Booth / Harbor representation

Project Example

A modern harbor infrastructure, its management, the planned upgrades and the advantages they bring can be represented and easier explained as part of an interactive exhibition. We can develop interactive presentations to show in a friendly manner how complex and innovative such a project is, with the use of gamification elements, digital twin simulation, 3D interactive model and light panels.

One of the uses cases is representing how the pickup and storage system automatization can lead to efficient loading and discarding times, optimized routes, congestion risks prediction and avoidance. A 3D automated model, interactive light panel, predefined scenarios guidance and touchscreens control will allow the user to simulate various commands and their priority, the shortest route for the trucks, which one to be deployed next, which storehouse will be available next, where should the containers be put, the order in which containers will be loaded or discarded.

An innovative and interactive set up concept which we can deliver as a ready-made project or alternatively develop in collaboration with our customers.

Interactive Booth / Hydraulic torque

Project Example

One of our “how it works” projects, developed with the Power 3D application, covering a system of two hydraulic torque wrenches, its components and their interactions.

Hydraulic torque wrenches are professional tools that make it possible to torque large assemblies, large-diameter mechanisms and pipes (that require large bolts) used in petrochemicals, nuclear, oil, liquids transport and other industries. They offer enough power for the heavy-duty industrial applications, ensuring proper tightening of a connection or loosening of a bolt that gets stuck or rusty.

The “how it works” tour is an interactive display of a hydraulic torque wrench and its functionalities, separately and as part of a system. All components and processes, down to the smallest and finest detail, are represented with 3D objects, gamification elements, digital twin concept and great visual effects.

The application separates and animates every technical component (reaction arm, reaction boot, drive, drive retainer, reaction pawl lever, reaction arm lever etc) to show in an easy to understand manner: what happens during bolting/unbolting time, how the torque is generated by hydraulic means or if it is distributed everywhere, if a bolt is tightened/untightened to a specified torque, twisting or rotating forces and their direction. Everything can be interactively explored from any angle, inside and out, can be moved around, zoomed in or out, through great visual effects (cut-away views, transparencies, floating parts, exploded views, flow colors, fog etc.).

Training 3D

Learn to play and play to learn

Power 3D application can be turned into a digitally assisted training solution, adding

- gamification elements
- 3D modeling
- animations
- visual effects
- AR/VR layers

It provides a friendly yet safe and professional environment for describing any technical product or operation.

- ‘On-the-job’ training tool
- Customized, hands-on and real-time work instructions
- Employees remote upskilling
- Gamified learning platform



Trainings 3D

CODE
1



Training 3D

Learn to play and play to learn

3D animated elements and straightforward commands (play, stop, forward etc) ensure an interactive way of learning, an 'on-the-job' training tool:

- how a system works
- what its components are
- how they are coded
- how they work together
- in what order they need to be assembled / disassembled
- which repair scenarios apply for what cases

The application becomes an accelerator of the training completion time and a safety enhancer, comprising:

- computer-assisted tasks
- easy to follow procedures lists
- well-studied events
- remote support and intervention scenarios
- instant extra scenarios simulation
- realistic feedback

This can enhance and improve the logistical and delivery side of the learning process.

Training 3D

Learn to play and play to learn

The multi user feature allows a trainer to

- simultaneously supervise the learning process for multiple trainees
- monitor each learning curve
- assign dedicated themes
- predefine tests as needed

Moreover, each trainee can have an associated user account and magnetic card, which allows them different access rights and traceability.

With the web version, a company can efficiently trial its candidates by assigning specific tests, leading to a more efficient recruitment or subsequent training process.

It establishes if the new employees have the right skills set or how the training program can be adjusted for each individual.

Training 3D

Learn to play and play to learn

The content is built with primary focus on learning but also on scenarios development. An operator will be able to

- identify if and what new repair scenarios are needed
- track if the scenarios are developed
- when the scenarios are made available, so they can be added into the service center

Elements of AR/VR can be added for immersive content adoption, shedding a new light on the training experience and on the developing new skills process.

A virtual training tool will certainly contribute to significant cost reduction, removing the costs associated with infrastructure, travel or multiple trainers needs.

All these features and their respective benefits can be easily adapted to school classes or any form of teaching activities.

Training 3D Features

01

Desktop and Mobile Browsing

WebGL based, PC and mobile phones (Android and iOS) applicable.
Online functionality, highly secured site, traceability logistics, proper access rights granting

02

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

03

Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

Training 3D Features

04

Fixed and Clear Price

No restrictions corelated with the number of users, independent network and security levels mapping and administration

05

Enterprise Ready

ERP integration platform and service, cloud enabled accounts setting, bi-directionally data sharing with other critical enterprise applications

06

Quality of Leads Increase

Conversion rates increase, prospects learning your concept and its particularities during the configuration process

Services 3D

Technical playbooks and repair instructions made accessible

Lessons are learned and opportunities uncover.

Our digitally assisted training solution

- provides a friendly and safe environment for describing any technical product or operation
- incorporates customized and hands-on work instructions
- enables group learning, simultaneous training
- refresh the inhouse services and repair procedures

Power 3D application can be turned into a digitally assisted repairing tool, using

- gamification elements
- 3D modeling
- animations
- visual effects
- AR/VR layers

Services 3D

Technical playbooks and repair instructions made accessible

Technology is put at the service of customers, ensuring the adoption of platforms that best fit their needs. High quality visuals help to:

- significantly improve the learning process
- take better informed decisions
- shift the focus to key areas
- refresh the inhouse services and repair procedures

An interactive interface, integrating 3D animated elements and straightforward commands (play, stop, forward etc), makes it easier to show:

- how a system works
- its components and their interactions
- operations order
- specifications and respective codes
- any predefined or newly needed scenarios

Services 3D

Technical playbooks and repair instructions made accessible

A gamified tool can help to:

- increase the level of digital maturity of a company
- identify points for improvement, training and innovation,
- pivot to new ideas

The multi user feature will translate into training costs reduction and efficient employees mentoring, without overlooking their skills upgrade. A team coordinator can

- simultaneously train all his team members
- supervise their learning process
- understand how they adapt to the changes
- what specific needs are to be addressed
- what can be adjusted

Services 3D

Technical playbooks and repair instructions made accessible

Employees can communicate and collaborate with the central unit to uncover any missing scenarios or to develop new ones, as a joint effort towards better procedures, components or operations, guarantying increased professionalism.

Best fitted practices in the post sales services and repair procedures can be achieved through:

- combined commands from the mechanical apparatus to application
- built-in events and procedures lists
- connection with your ERP system

Elements of AR/VR can shed a new light on the training experience, for an immersive and interactive content adoption.

Services 3D Features

01

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02

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Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

Services 3D Features

04 Optimum Designs Achievement

New product ideas generation, not just variants, instant captures and annotations saved in the application

05 Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

06 Enterprise Ready

ERP integration platform and service, cloud enabled accounts setting, bi-directionally data sharing with other critical enterprise applications

VR & AR

Virtual exploration and discovery of your reality

Our solutions support AR/VR navigation, for immersive and novel experiences, coming as a continuation to

- attractive 3D features
- animations
- exploded views
- transparencies
- real time simulations developed with the Power 3D application

Virtual shop, interactive booth or entire exhibition show design and creation

Further to 3D modelling and real time simulations, we can plan and deliver any hardware equipment required, including

- videowall projections
- full system interactive models
- hologram systems
- touchscreens
- magnetic card access control systems

A fully or partially customized solution, depending on your requirements and needs.



VR/AR

VR & AR

Virtual exploration and discovery of your reality

Our offering has use cases across many sectors, for industries like manufacturing and healthcare to luxury lines.
It can be used for simulations of

- a car model down to its most little technical parts
- a warehouse and its entire lines
- production machines and how they work
- a city and how everything connects and communicates
- a harbor and its management

Any concept can be transported in the virtual or augmented realities, as the application can be used for adding

- VR (artificial environment overlaying)
- AR (digital content on the existing environment)

VR & AR

Virtual exploration and discovery of your reality

AR can handle animations, small movies and 3D graphics and games and position virtual objects in a real environment. Special headsets and hardware take the user into a new world, where they can test, manipulate or design different new things.

AR versatility makes it usable with smart phones, tablets or special headsets and it can be used over a simplified environment.

AR/VR and 3D content pairing over the physical world will level up any tour or presentation, bringing gesture-based interactivity, for a uniqueness effect.

The platform can also be used as a great digitally assisted training tool, a friendly and safe environment for describing any technical product or operation, with customized and hands-on work instructions.

Multi user training feature paired with AR/VR makes it an enjoyable option for training or repair scenarios simulation.

VR & AR Features

01

Overall 'How It Works' Experiences

Guided by 3D views, 3D product explosion effects, real time simulation, holograms and best suited media and digital equipment

02

Comprehensive Booth Concept Support

Interactive and user-friendly presentations, boosted visibility in exhibitions, events or shops

03

Reduced Product Return

Better informed customers, more confidence in making the purchase

Virtual Tours

Adapt, innovate, explore

As a digital agency, we provide a wide range of solutions to recreate various activities and events as virtual tours:

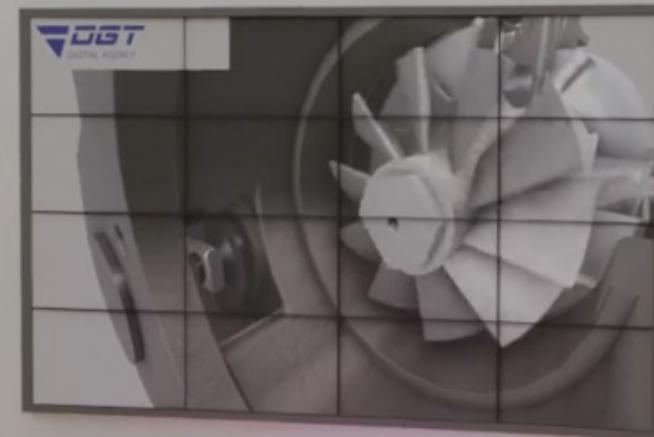
- exhibition booth
- visiting a museum
- shopping in a mall
- sightseeing popular places
- attending a career fair or a networking event
- hosting a trade show

“How it works” or “how is made” a click away.

Highly interactive and customizable, for consistent behavior, look and feel, from the comfort of a house or office.

Visually rich environments with the use of

- gamification features
- IoT and digital twin applications
- interactive 3D model design
- animations
- advanced graphics and effects
- real-time simulations
- AR/VR technology
- best suited algorithms



Virtual Tours

Virtual Tours

Adapt, innovate, explore

Virtual tours interactively simulate the exploration of complex scenarios and environments.

"How it works" or "how is made" a click away.

The audience can highlight and select what to explore next, to choose what to customize, analyze, interact with etc. Guided by great content formats, separated and animated components, high quality visuals, real-time simulations and many other effects. Everything can be fully accessed and explored, whether it is showcased as part of a virtual store, customized booth or touristic location.

Moreover, you can make everything memorable on both sides with the use of Power 3D applications' Modules.

Virtual Tours

Adapt, innovate, explore

Media and email module for sending out any photos or videos captured during the display, directly from the application. On consent only, details about the visitors and the products they were interested in will be gathered and used in subsequent informative campaigns.

Administrative module helps to efficiently map a user network, to create customized user profiles, grant full or limited access rights.

NFC/RFID magnetic card module ensures a reliable user access, security and interaction traceability, better reporting of number of visitors, average visit or interaction times.

Security module embeds more than 40 features to ensure that access rights are set up at various levels or per features, taking into account data sensitivity and confidentiality and internal or external user profiles.

Find more details about our Features and Module

Virtual Tours Features

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Overall 'How It Works' Experiences

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02

Desktop and Mobile Browsing

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03

Customer Attraction

Fun discovery journeys, creation and design experiences, photos and videos capture of the products, directly from the application

Virtual Tours Features

04

Customer Experience Reshaping

Flexible interaction tools, wide variety of formats and protocols

05

Processes Optimization and Strong Security

Minimized resources, high speed and efficiency, short time implementation, remote collaboration, training cost reduction, low cloud storage and traffic costs

06

Enterprise Ready

ERP integration platform and service, cloud enabled accounts setting, bi-directionally data sharing with other critical enterprise applications



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