

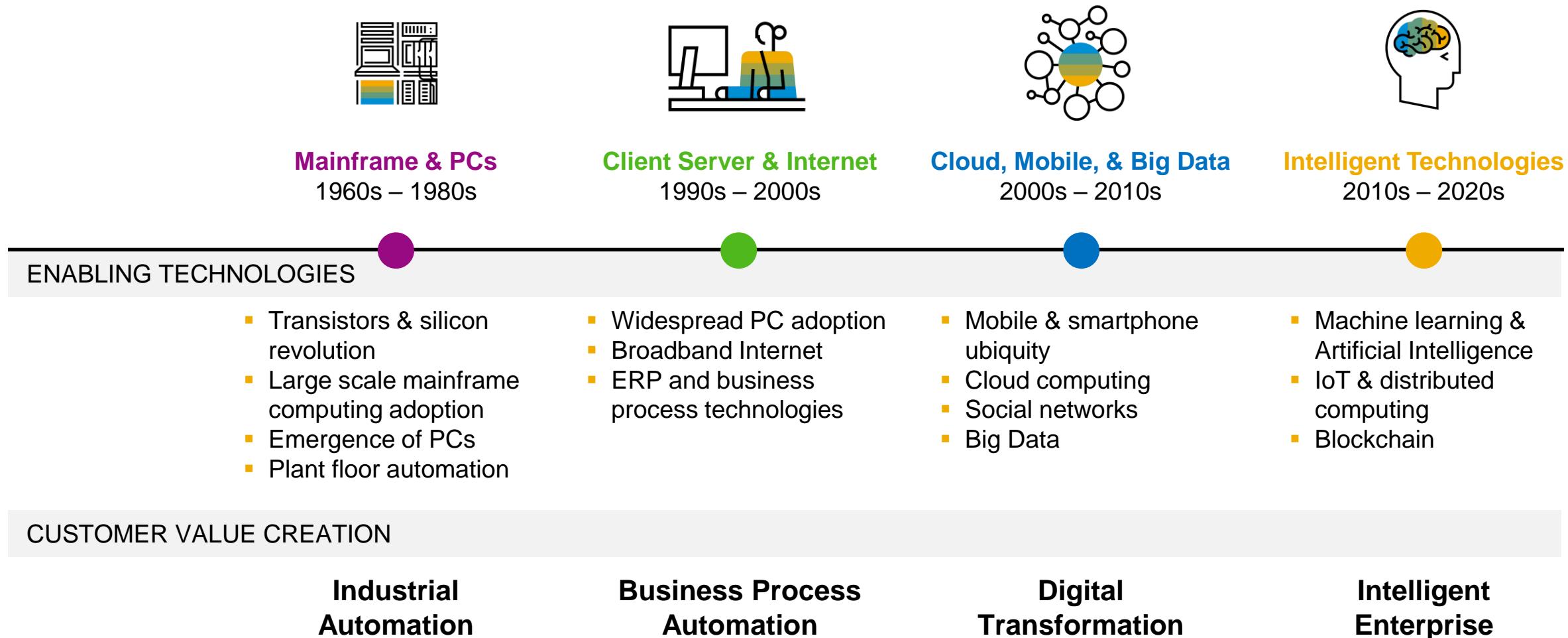


Course: SAP Leonardo – Enabling the Intelligent Enterprise

## **Unit 1: SAP Leonardo – Introduction**

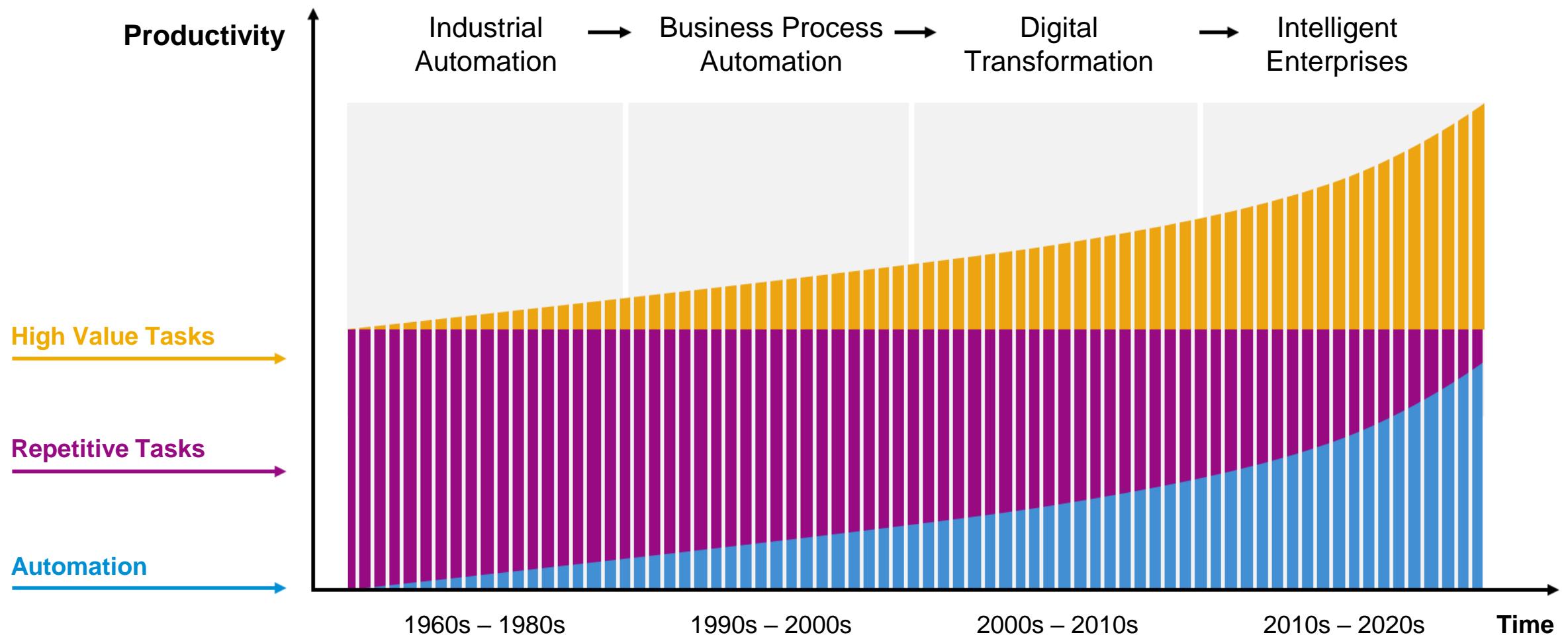
# SAP Leonardo – Introduction

The digital era is evolving into the intelligence era



# SAP Leonardo – Introduction

Intelligent Enterprises elevate employees to focus on higher-value tasks



# SAP Leonardo – Introduction

“Next Practices”: Capabilities and outcomes driven by Intelligent Enterprise

## Capabilities



### Visibility

the ability to collect and connect data that was previously siloed and recognize unseen patterns



### Focus

the ability to simulate the impact of potential options and direct scarce resources to the areas of maximum impact



### Agility

the ability to respond faster to changes in the marketplace or the business and pivot business processes towards the right customer outcomes

## Outcomes



Do more with less and empower employees

through process automation and freeing up people to do more meaningful work



Deliver best-in-class customer experience

by anticipating and proactively responding to end-customer needs

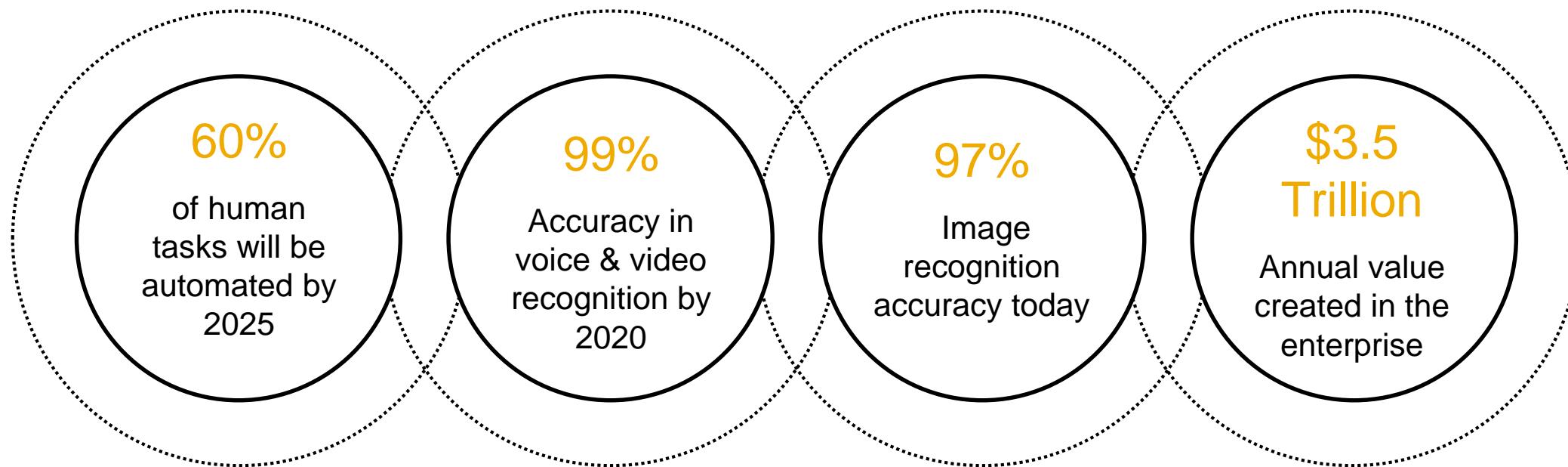


Invent new business models and revenue streams

by monetizing data-driven capabilities and applying core competencies in new ways

# SAP Leonardo – Introduction

Intelligent technologies: driving the next-gen value economy for customers



*SAP Strategy Paper – Delivering the Intelligent Enterprise, April 2018*

# SAP Leonardo – Introduction

SAP is best positioned to deliver the Next Practices



Do More with Less and Empower Employees



Deliver Best-in-Class Customer Experience



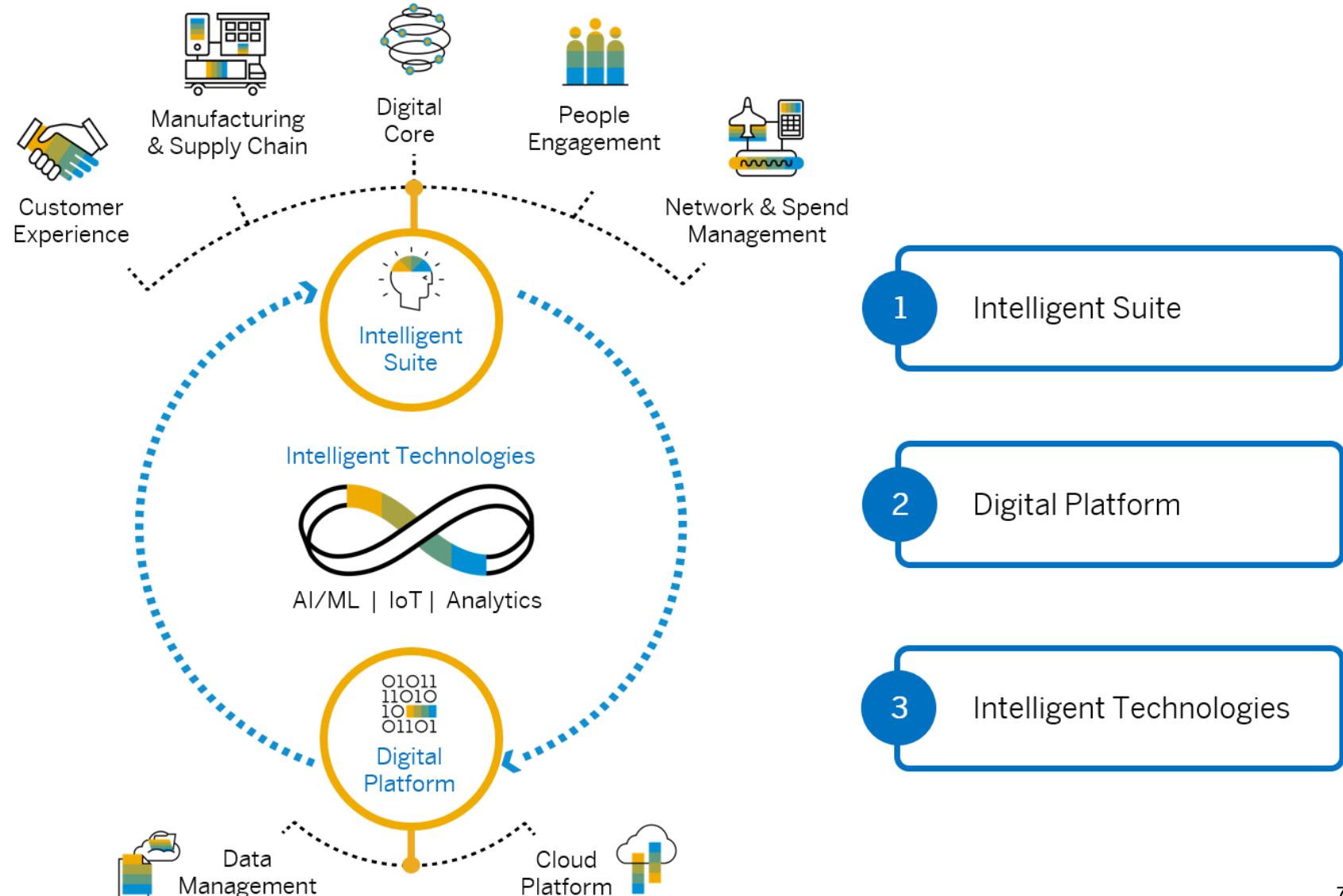
Invent New Business Models and Revenue Streams

- 
- Automated invoice and payment matching
  - ML-enabled resumé matching and employee approvals
  - Predictive lead management
  - Automated sales discount approvals
  - Warehouse automation
  - Real-time supplier and demand management
  - Predictive maintenance and service
- 
- Self-service enabled by chatbots and voice
  - Personalized and distinctive customer experience
  - Omnichannel customer service (available anytime and available anywhere)
- 
- Outcome-based business models by digitizing products and services
  - Expansion into new industries/markets
  - Shared economy and network-based business

# SAP Leonardo – Introduction

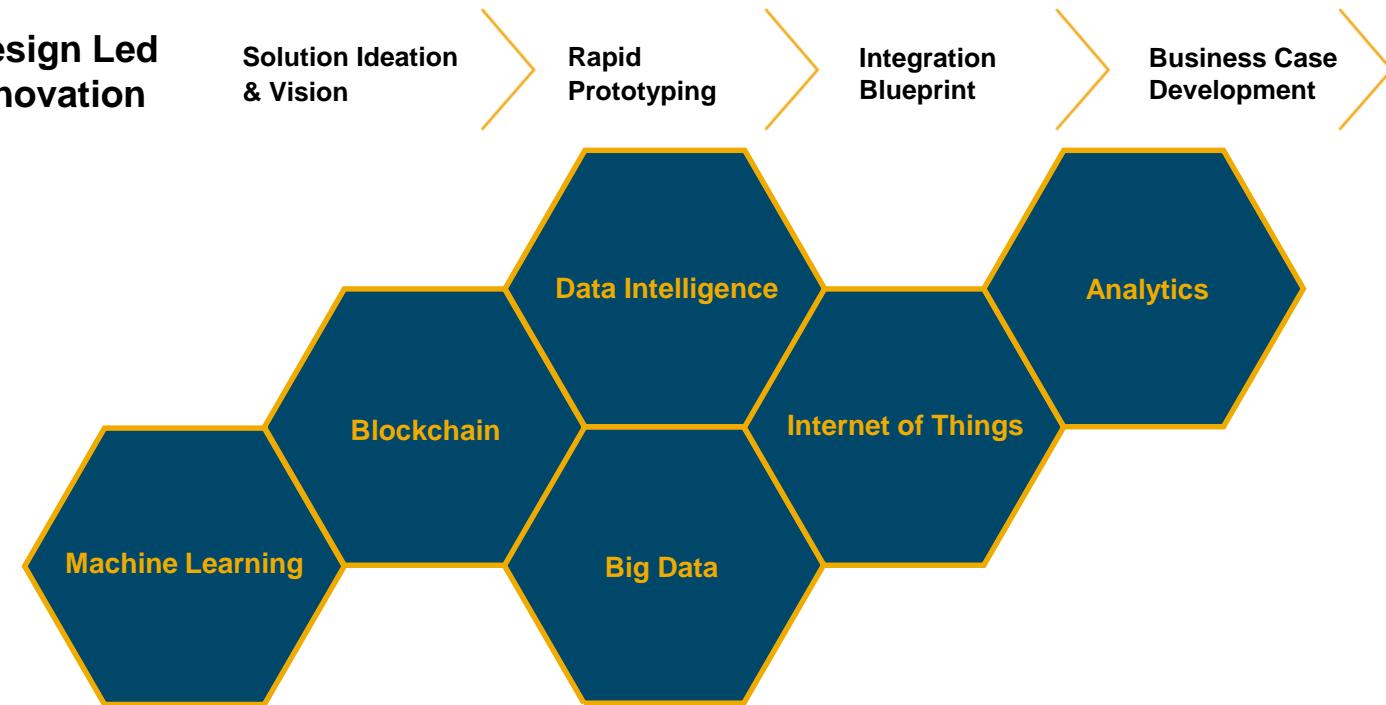
SAP Strategy – Deliver the Intelligent Enterprise

THE INTELLIGENT ENTERPRISE  
features **3 KEY COMPONENTS:**



# SAP Leonardo – Introduction

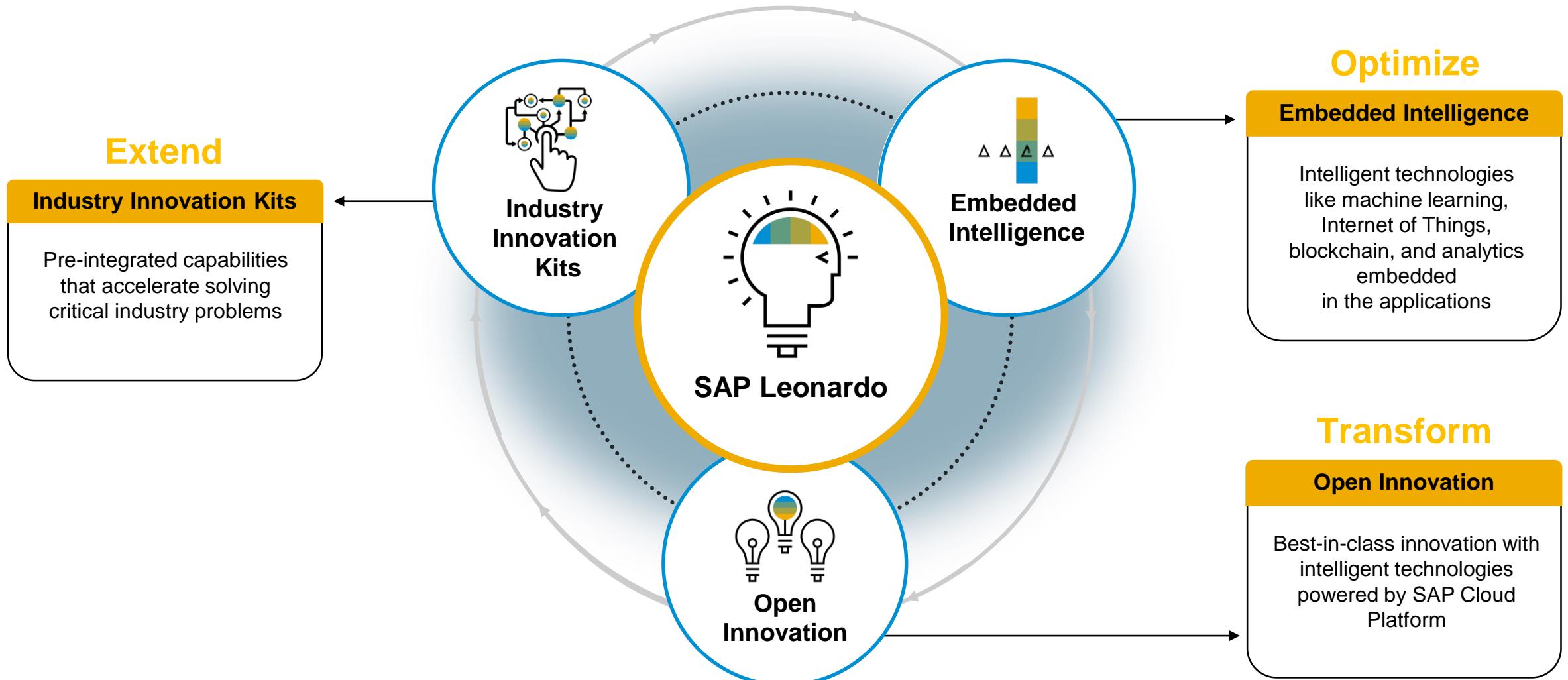
## SAP Leonardo intelligent technologies



<b>SAP Cloud Platform</b>	Microservices   Open APIs   Flexible Runtimes   Integration
<b>SAP Database &amp; Data Management</b>	SAP HANA   SAP Data Hub   SAP Vora   Open Source Storages <ul style="list-style-type: none"><li>AWS S3</li><li>SWIFT</li><li>Hadoop</li><li>...</li></ul>
<b>Multi-Cloud Infrastructure</b>	SAP  Google Cloud Platform Microsoft Azure  Amazon web services

# SAP Leonardo – Introduction

SAP Leonardo powers enterprises with *intelligent technologies* for every *business process*, to create better *outcomes*



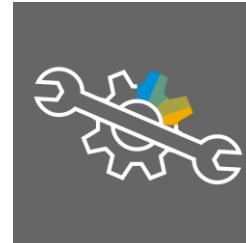
# SAP Leonardo – Introduction

How SAP delivers previously unattainable business outcomes



Increase in  
Revenue  
**35%**

Analytics drives more informed decision making



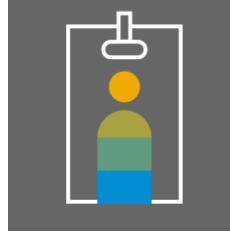
Payments auto-  
matched to invoices  
**94%**

Machine Learning brings efficiency to finance organizations



Maintenance costs down  
**60%**

AI lowers maintenance costs increasing productivity



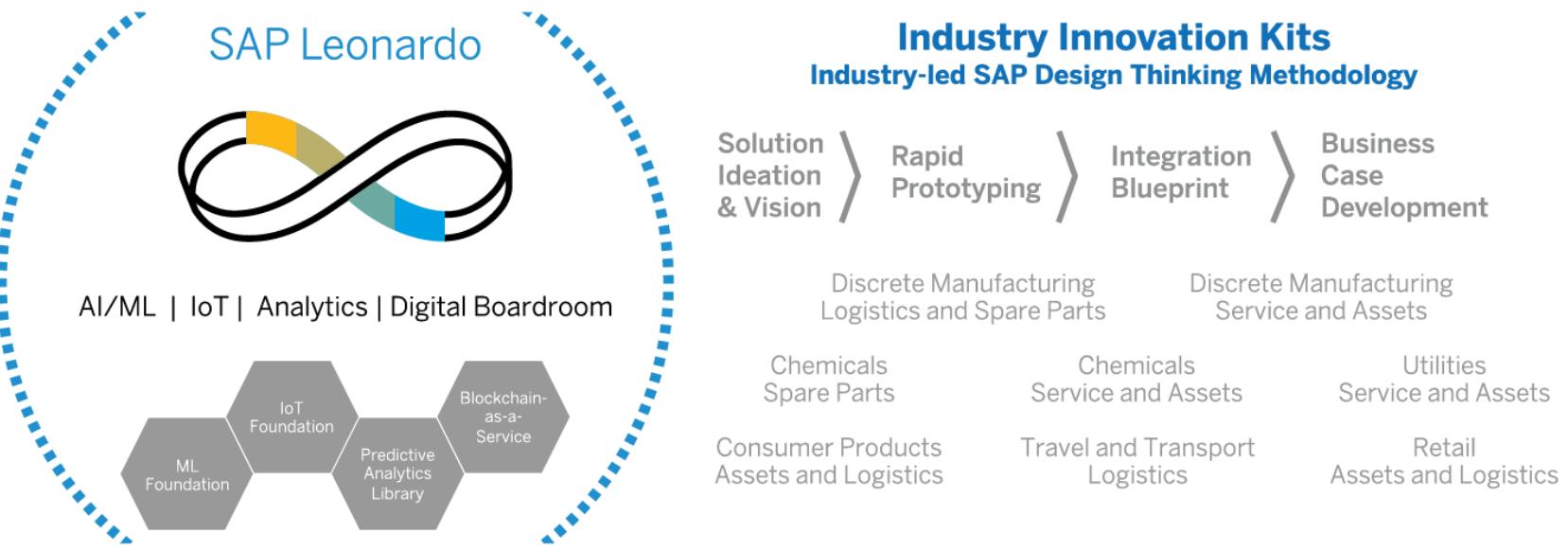
Better worker safety  
**10%**

IoT drives lower claims payout

# SAP Leonardo – Introduction

Intelligent technologies: SAP Leonardo everywhere

Core Applications SAP Leonardo embedded		
SAP Intelligent Cash Management	SAP Service Ticket Intelligence	SAP Brand Intelligence
SAP Customer Retention	SAP Resume Matching	
SAP Global Track and Trace	SAP Predictive Engineering Insights	
SAP Vehicle Insights	SAP Manufacturing Execution	SAP Asset Intelligence Network
		SAP Predictive Maintenance and Service



Applications that deliver  
**intelligence within core business process**  
(e.g. Intelligent ERP, Intelligent HR)

A **toolbox of intelligent technologies** (IoT, AI/ML, analytics, and more), microservices, and data management tools available via SAP Cloud Platform to deliver intelligence out-of-the-box as well as through co-innovation

**Industry innovation kits** to ensure customers derive value from innovative new technologies quickly and with reduced risk

# SAP Leonardo – Introduction

SAP Brings **The Experience and Expertise**

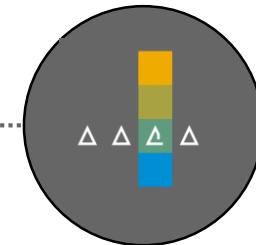
- ✓ Daily, more than 77% of the world's transaction revenue touches an SAP system
  - ✓ 46 years of deep industry expertise
  - ✓ The broadest end-to-end technology portfolio
  - ✓ 2+ million-person ecosystem executing the SAP vision
- ✓ Experts in applying technology to accelerate business processes



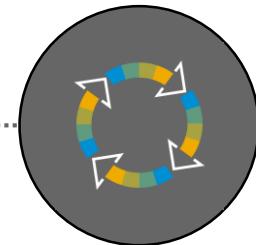
**100% real time  
visibility**  
Hanon Systems



**20% reduction  
in service visits**  
Pregis



**86% reduction  
purchase requisition errors**  
VALE



**Increased sales  
inventory optimization**  
Grupo Boticario

**Now you can do the impossible, every day.**

# Thank you.

Contact information:

[open@sap.com](mailto:open@sap.com)

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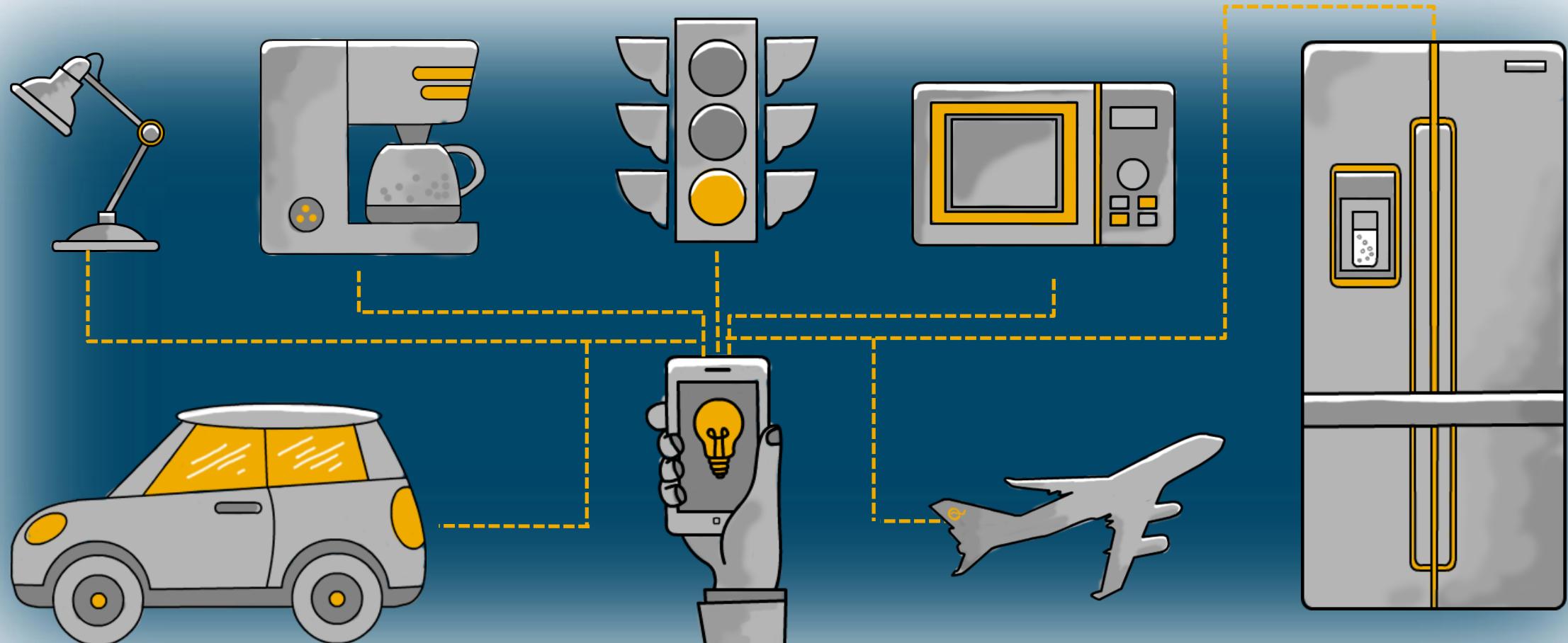


Course: SAP Leonardo – Enabling the Intelligent Enterprise

## **Unit 2: SAP Leonardo – The Internet of Things**

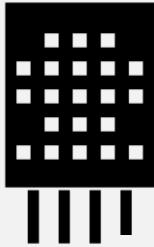
# SAP Leonardo – The Internet of Things

The Internet of Things



# SAP Leonardo – The Internet of Things

The growing impact of the Internet of Things



Experts predict there will be more than **1 trillion** sensors by 2030.



Image, speech, and voice recognition will advance to **99% accuracy** by 2020.



The speed of analytics will grow **thirtyfold** **by 2030**, with 95% of queries answered in milliseconds.



Sensors will be commonplace in the 111 million new cars and the **2 billion smartphones** that will be purchased in 2020.

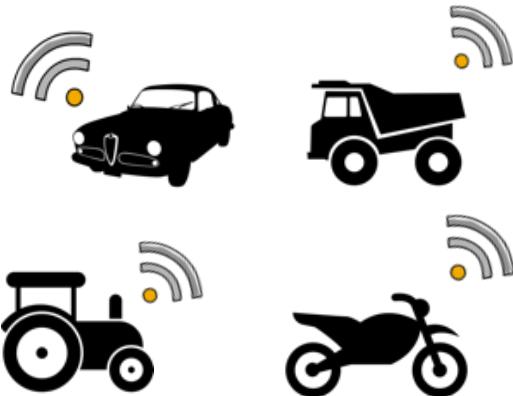


The Internet of Everything market could grow to **\$14.4 trillion** by 2022.

# SAP Leonardo – The Internet of Things

The Internet of GOOD Things

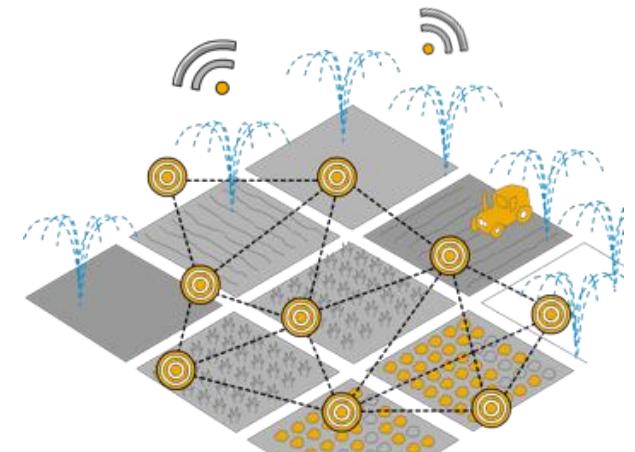
## Autonomous Vehicles



## Warning Systems



## Agriculture



# SAP Leonardo – The Internet of Things

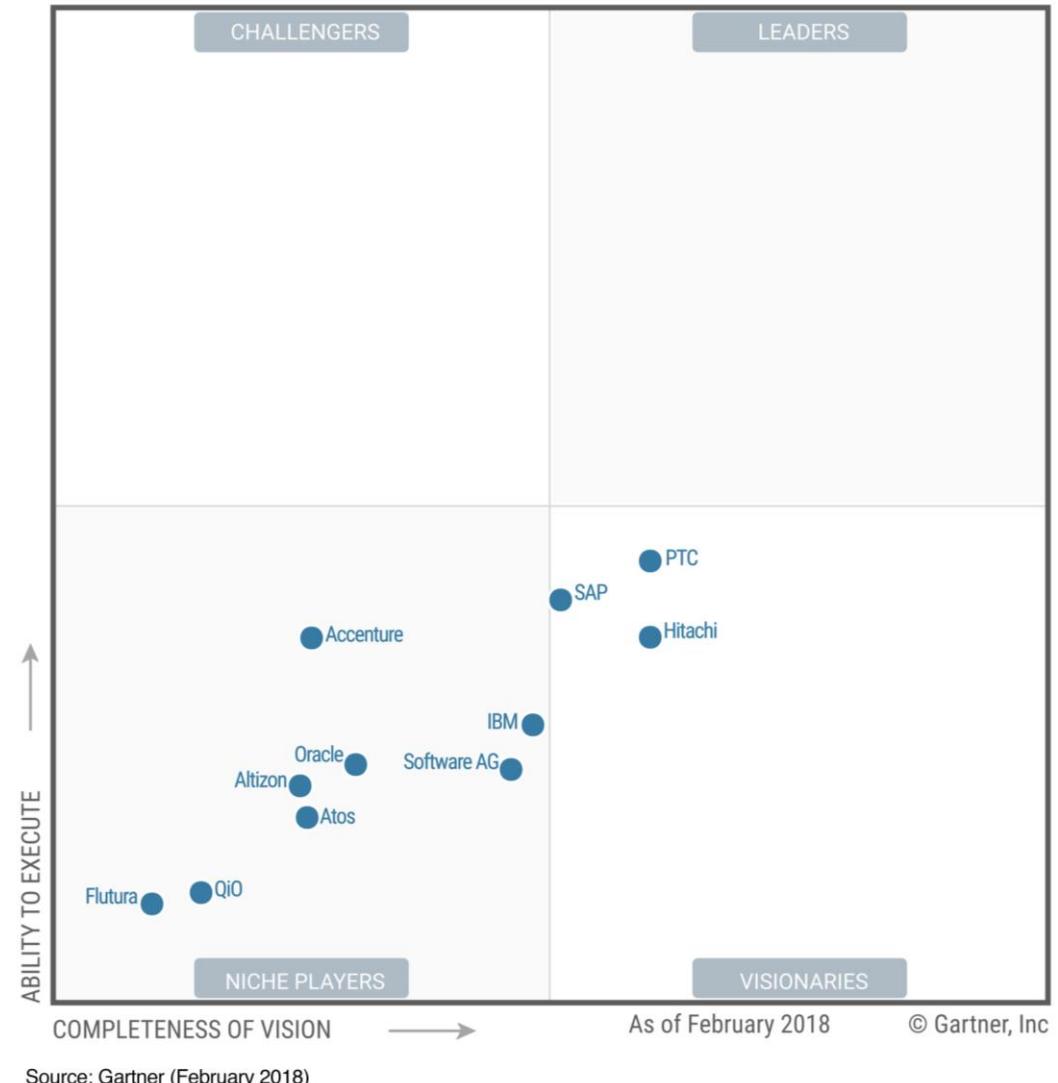
SAP as a visionary

Gartner's Magic Quadrant states that **Industrial IoT Platforms** are composed of the following technology functions:

- Device Management
- Integration
- Data Management
- Analytics
- Application Enablement and Management
- Security

Gartner, Magic Quadrant for Industrial IoT Platforms, Eric Goodness, Ted Friedman, et al., 10 May 2018. This graphic was published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from SAP. Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

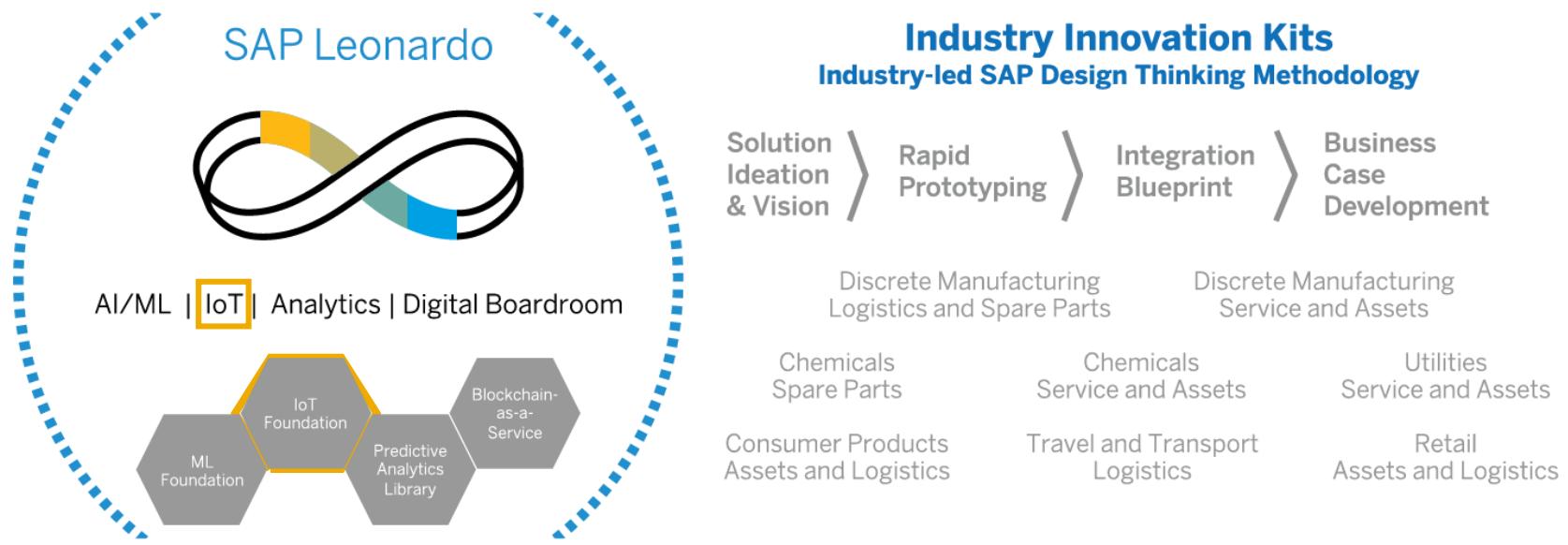
Figure 1. Magic Quadrant for Industrial IoT Platforms



# SAP Leonardo – The Internet of Things

SAP Leonardo IoT as a key part of SAP Leonardo

Core Applications SAP Leonardo embedded		
SAP Intelligent Cash Management	SAP Service Ticket Intelligence	SAP Brand Intelligence
SAP Customer Retention	SAP Resume Matching	
SAP Global Track and Trace	SAP Predictive Engineering Insights	
SAP Vehicle Insights	SAP Manufacturing Execution	SAP Asset Intelligence Network
		SAP Predictive Maintenance and Service



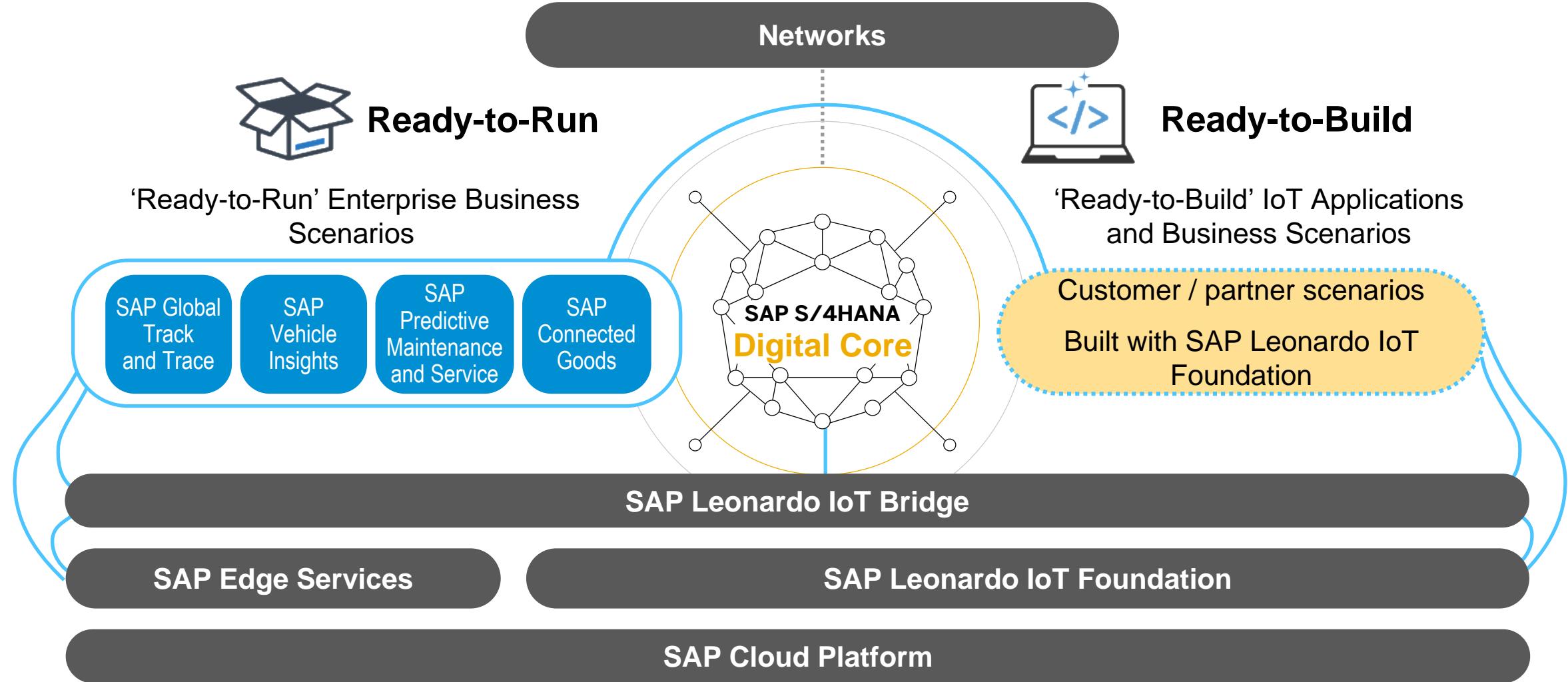
Applications that deliver  
**intelligence within core business processes**  
(e.g. Intelligent ERP, Intelligent HR)

A **toolbox of intelligent technologies** (IoT, AI/ML, analytics, and more), microservices, and data management tools available via SAP Cloud Platform to deliver intelligence out-of-the-box as well as through co-innovation

**Industry innovation kits** to ensure customers derive value from innovative new technologies quickly and with reduced risk

# SAP Leonardo – The Internet of Things

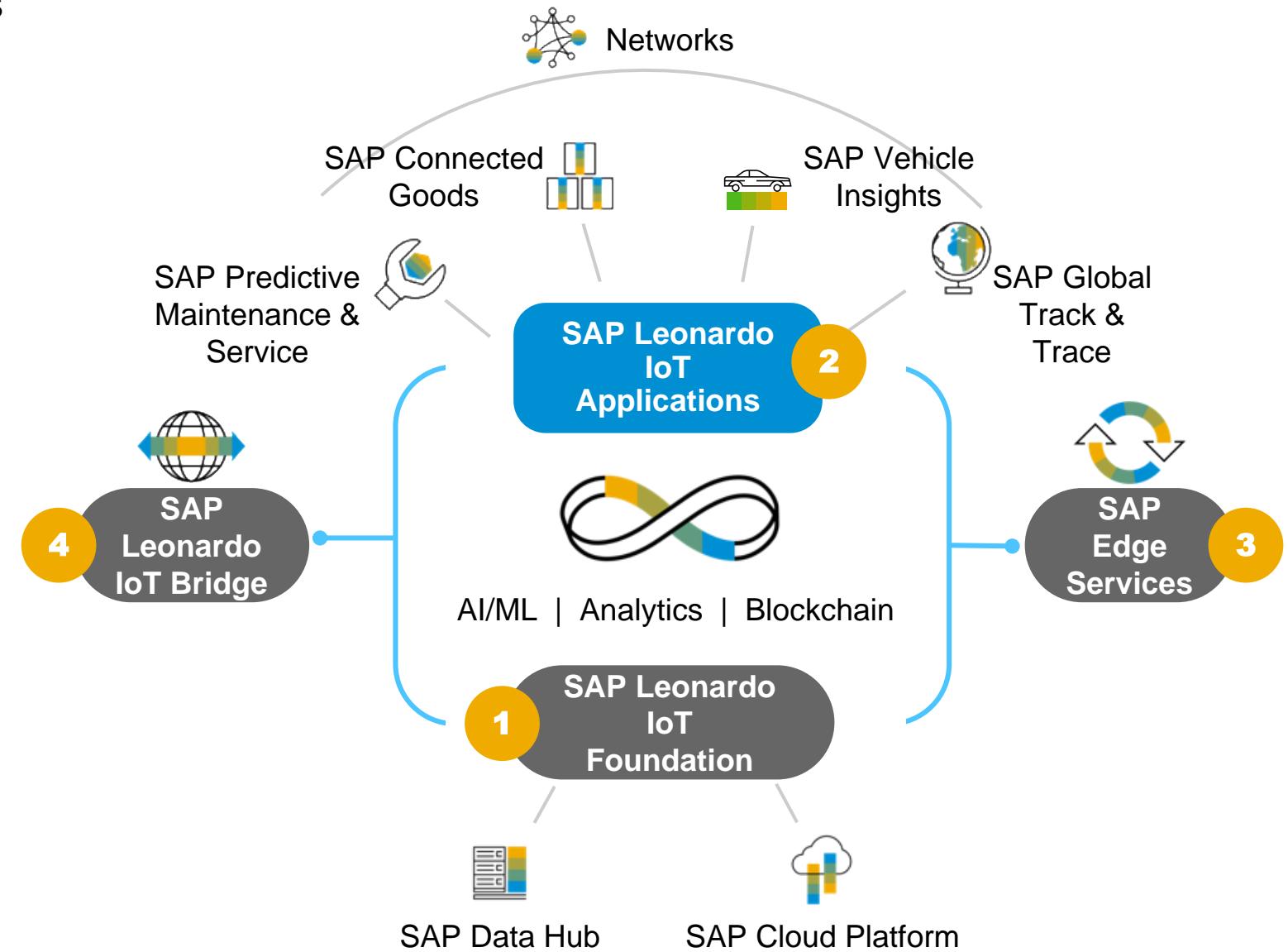
How SAP Leonardo IoT enables the Intelligent Enterprise



# SAP Leonardo – The Internet of Things

## Innovation journey – IoT entry points

- 1 Ready to build your own Leonardo IoT scenarios
- 2 Ready to run SAP Leonardo IoT applications
- 3 Extend business processes with the Edge
- 4 Innovate with 'total visibility' across the Digital Core



# SAP Leonardo – The Internet of Things

Customer example – Pregis



## Company



Headquarters:  
United States



Employees:  
1,000+



Revenue:  
US\$ 1 Billion

## Industry



Packaging Material

## Devices



Packaging Material  
Machines

Transforming business by  
turning insights into productivity

- ✓ Improve product consumption visibility and trigger replenishment
- ✓ Identify anomalies and alert technicians instantly about issues
- ✓ Increase productivity via remote configuration of machines
- ✓ Leveraging the combined power of SAP Leonardo IoT solutions – SAP Connected Goods and SAP Edge Services

## Quote

*"In just a matter of weeks, we were able to pilot and demonstrate tangible value with SAP Leonardo IoT."*

*SAP Connected Goods and SAP Edge Services allow us to achieve greater productivity for improved customer satisfaction."*

**– Jeff Mueller, CIO, Pregis**

# SAP Leonardo – The Internet of Things

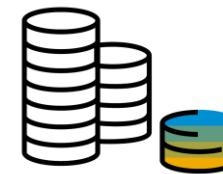
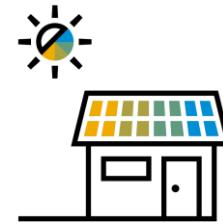
Customer example – Kaiserwetter



“The integration of SAP Leonardo capabilities helped us, having a digital infrastructure to combine technical and financial data.

Capital investors and financing banks are getting the big picture of their assets and portfolios in real time.”

Hanno Schoklitsch, CEO and Founder,  
Kaiserwetter Energy Asset Management GmbH



**470-megawatt**

- Wind farms and solar parks under management

**€900 million**

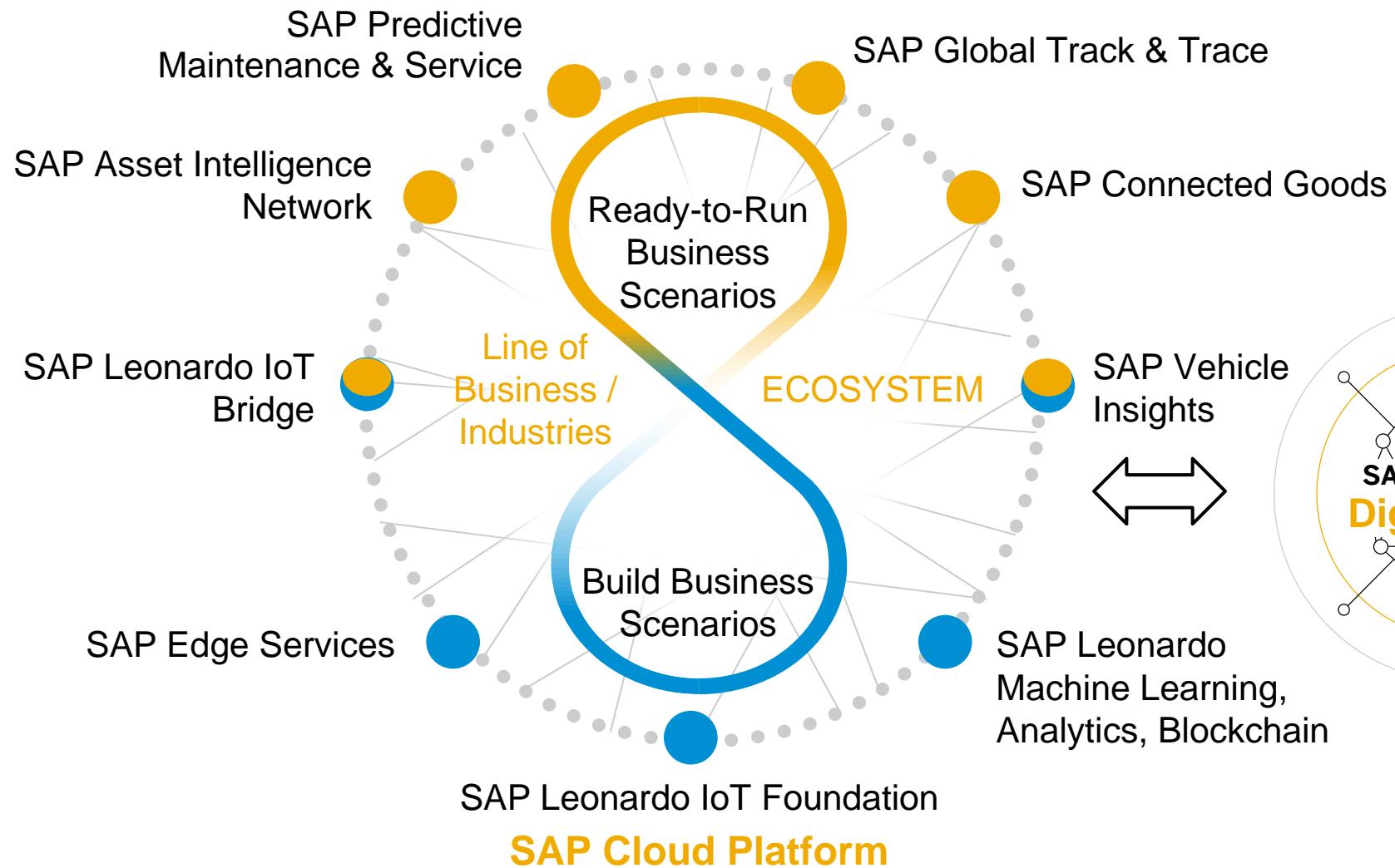
- Investment volume

**160 million**

- Customer data points in the cloud

# SAP Leonardo – The Internet of Things

## Summary



# Thank you.

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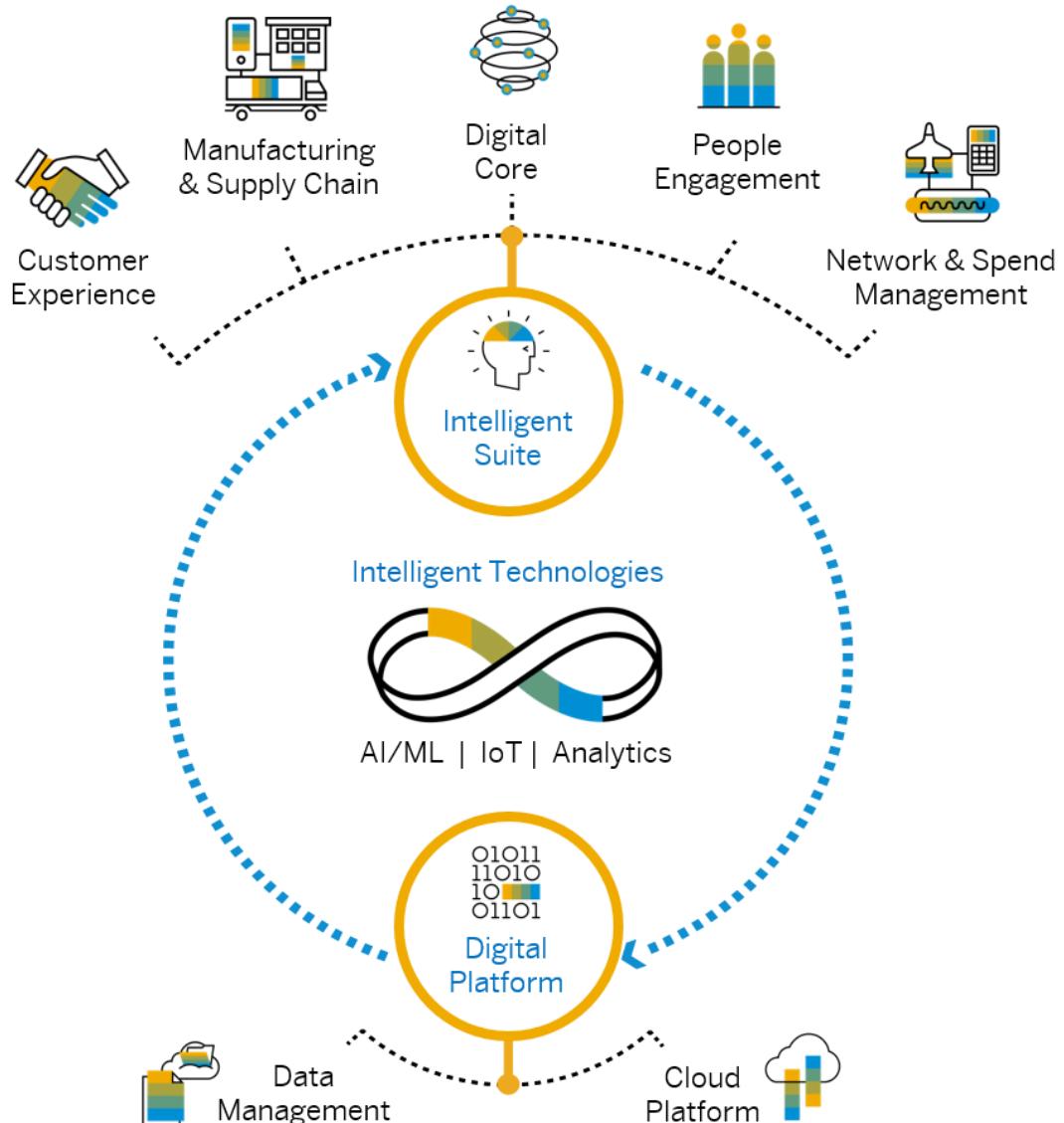
## Unit 3: SAP Leonardo – Analytics

# SAP Leonardo – Analytics

SAP strategy – Deliver the Intelligent Enterprise

## The Intelligent Enterprise Features 3 Key Components:

- 1 Intelligent Suite
- 2 Intelligent Technologies
- 3 Digital Platform

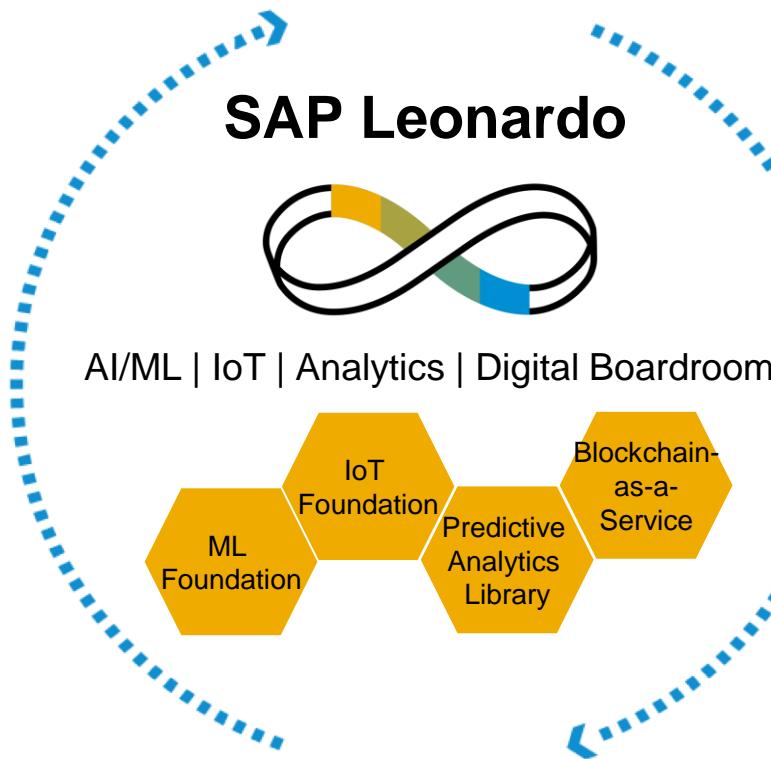


# SAP Leonardo – Analytics

Intelligent technologies: SAP Leonardo everywhere

## Core Applications SAP Leonardo Embedded

SAP Intelligent Cash Mgmt.	SAP Service Ticket Intelligence	SAP Brand Intelligence
SAP Global Track & Trace	SAP Customer Retention	SAP Resume Matching
SAP Predictive Engineering Insights	SAP Vehicle Insights	SAP Manufacturing Execution
SAP Asset Intelligence Network	SAP Predictive Maintenance & Service	



Applications that deliver **intelligence within core business processes** (e.g., Intelligent ERP, Intelligent HR)

A **toolbox of intelligent technologies** (IoT, AI/ML, and analytics), microservices, and data management tools that will be available via SAP Cloud Platform to deliver intelligence out-of-the-box as well as through co-innovation

**Universal analytics and digital boardroom** connecting the enterprise for the CXO

## Industry Innovation Kits

### Industry-Led SAP Design Thinking Methodology

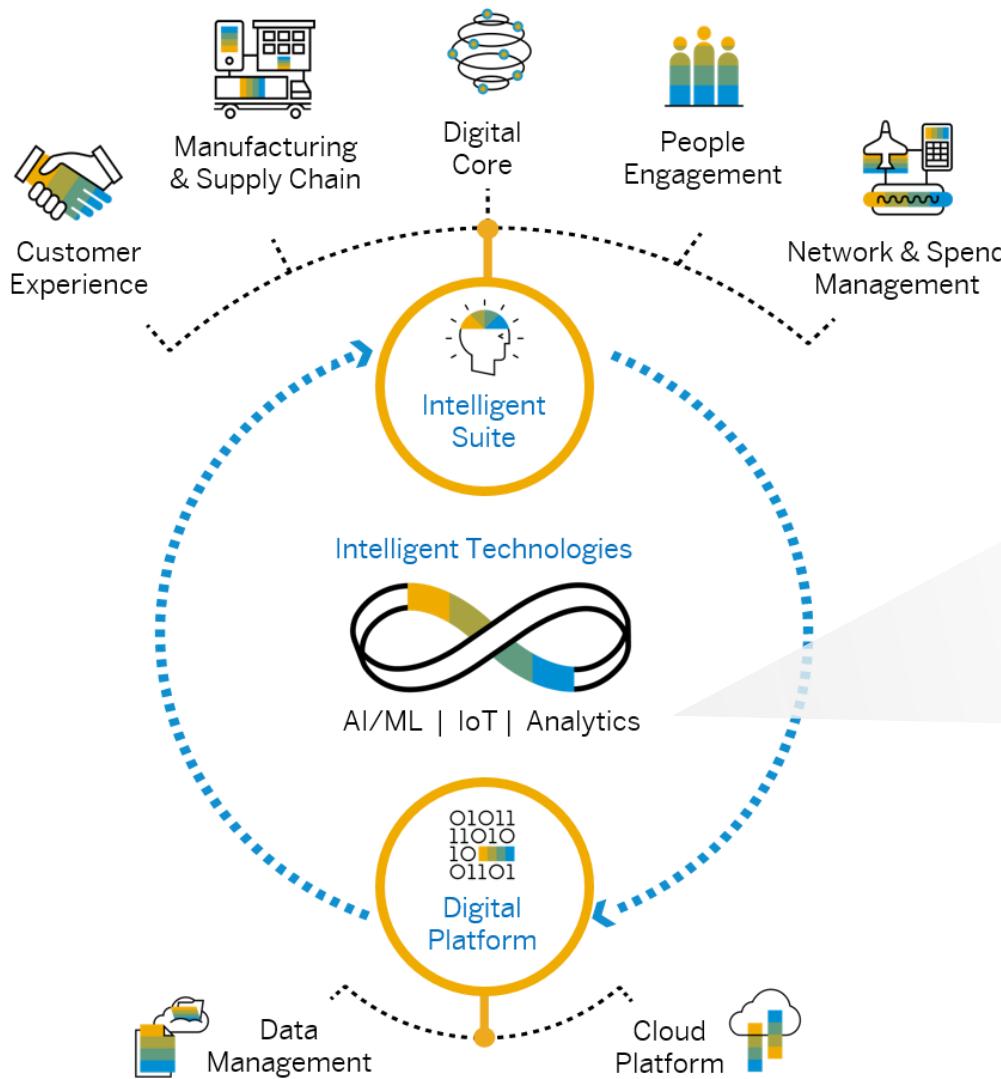
Solution Ideation & Vision → Rapid Prototyping → Integration Blueprint → Business Case Development

Discrete Manufacturing Logistics & Spare Parts	Discrete Manufacturing Service & Assets
Chemicals Spare Parts	Utilities Service & Assets
Consumer Products Assets & Logistics	Travel & Transport Logistics
Retail Assets & Logistics	

**Innovation services combining design-thinking and Industry accelerators** to ensure customers derive value from innovative new technologies quickly and with reduced risk

# SAP Leonardo – Analytics

Deliver the Intelligent Enterprise



# Analytics

SAP Analytics Cloud | SAP Digital Boardroom

# SAP Leonardo – Analytics

Bringing together business intelligence in a single solution

## SAP Analytics Cloud

- Simplified workflow
- Insights for everyone
- Connect to more data
- Insights where you work

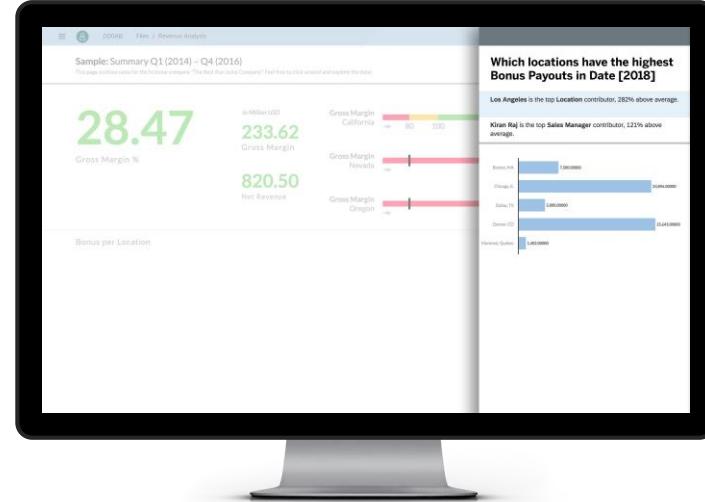


# SAP Leonardo – Analytics

The Intelligent Enterprise in action: **SAP Analytics Cloud**



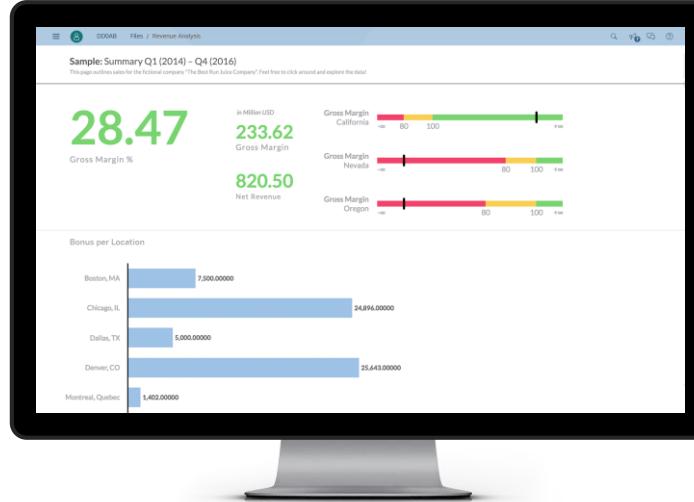
Smart  
Discovery



Eliminate barriers to information  
by simply asking a question



Search  
to Insight



Surface hidden patterns and  
uncover actionable insights  
automatically



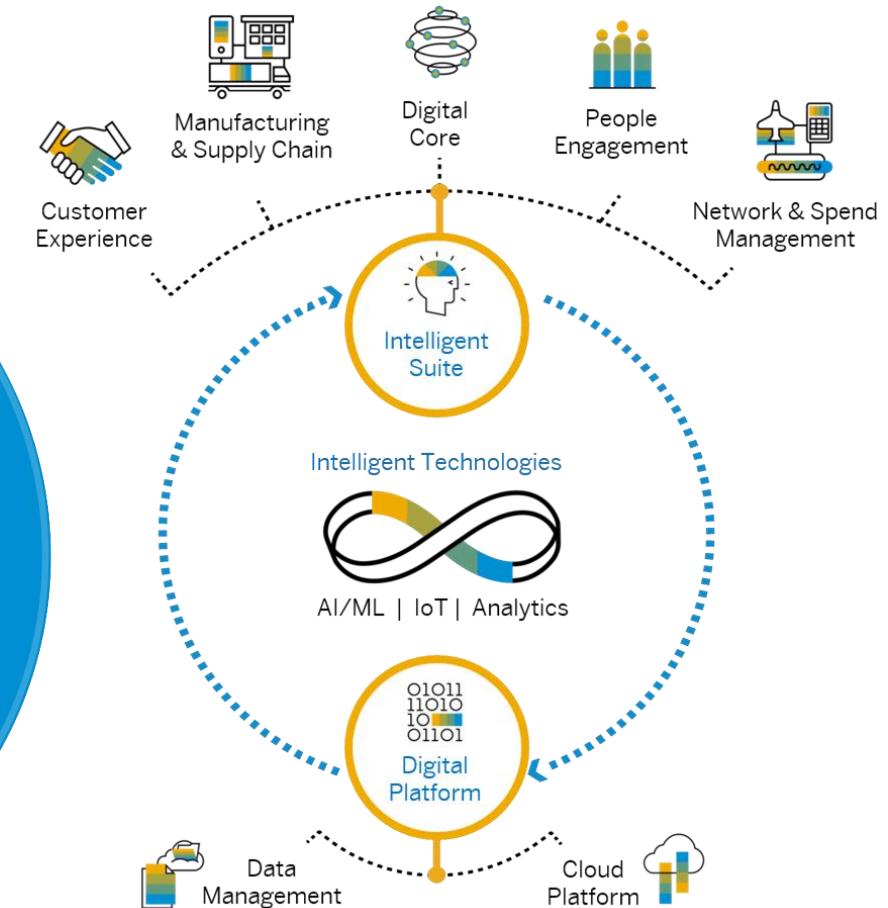
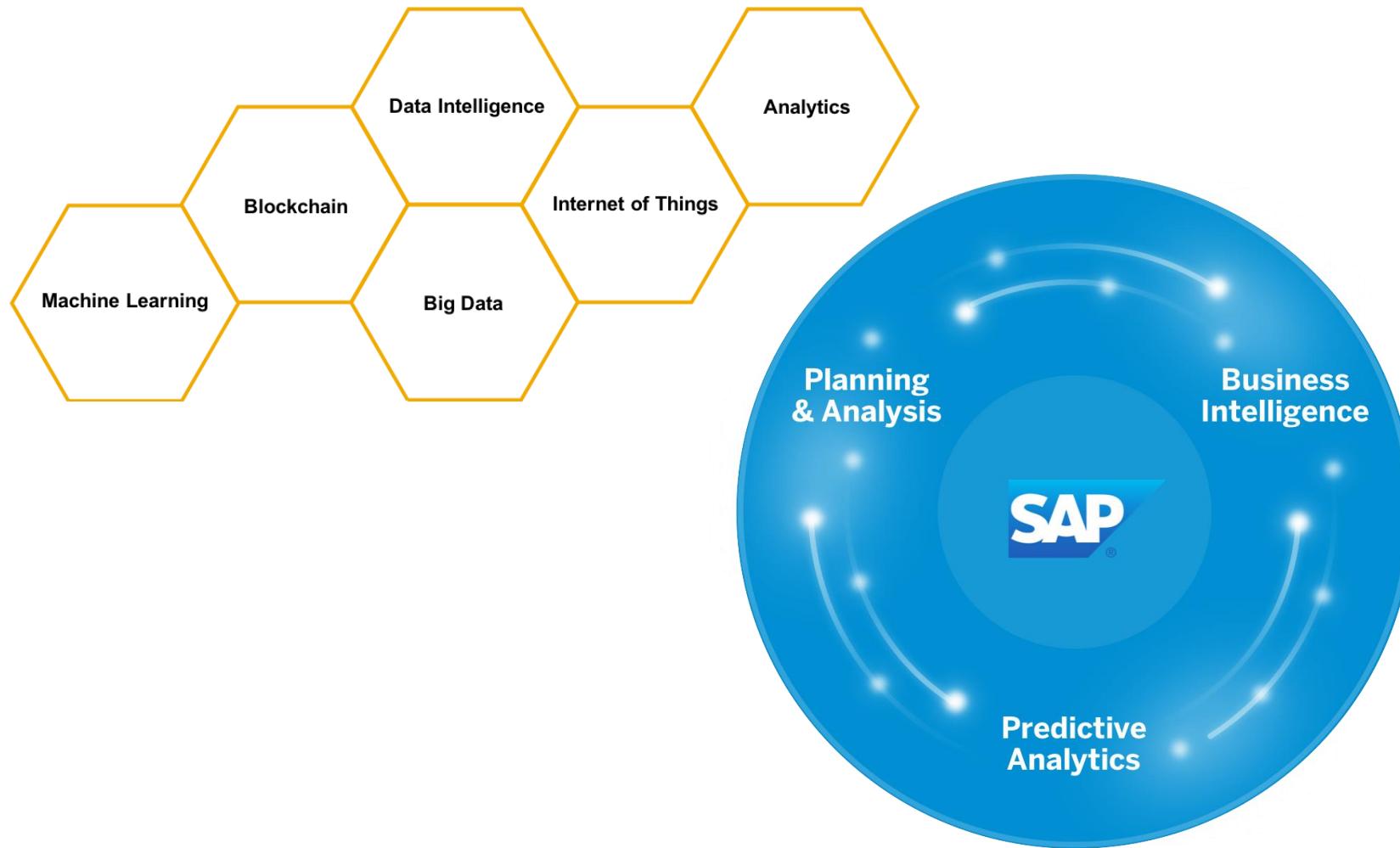
One  
Experience



Embed intelligent insights  
directly into business workflows

# SAP Leonardo – Analytics

## Summary



# Thank you.

Contact information:

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Course: SAP Leonardo – Enabling the Intelligent Enterprise

## **Unit 4: SAP Leonardo – Blockchain**

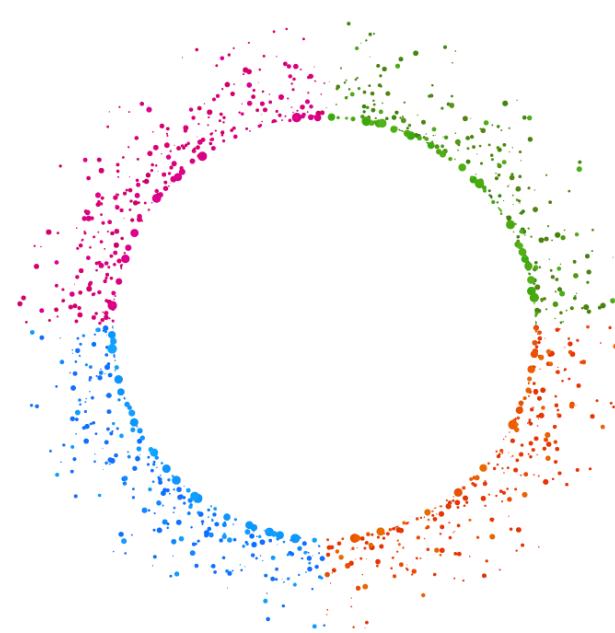
# SAP Leonardo – Blockchain

## Innovation vision

**Self-running  
enterprise systems**

*Machine Intelligence*

**Self-organizing  
business ecosystems**



**New markets &  
business models**

*Human Ingenuity*

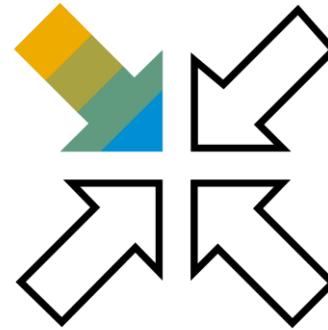
**Augmented me**

# SAP Leonardo – Blockchain

The potential of blockchain



**Trusted ecosystem**



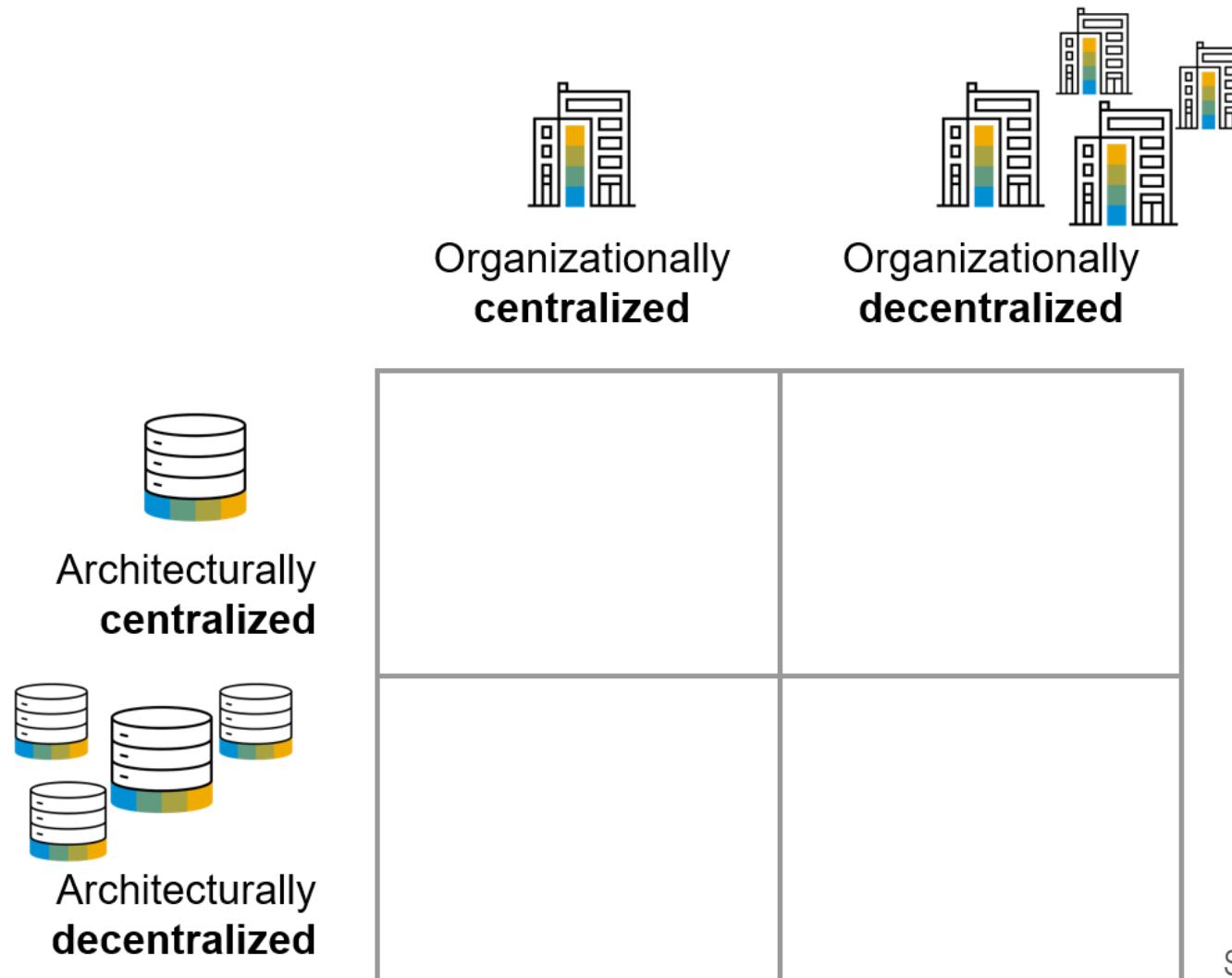
**Shared data**



**Network-based  
innovation**

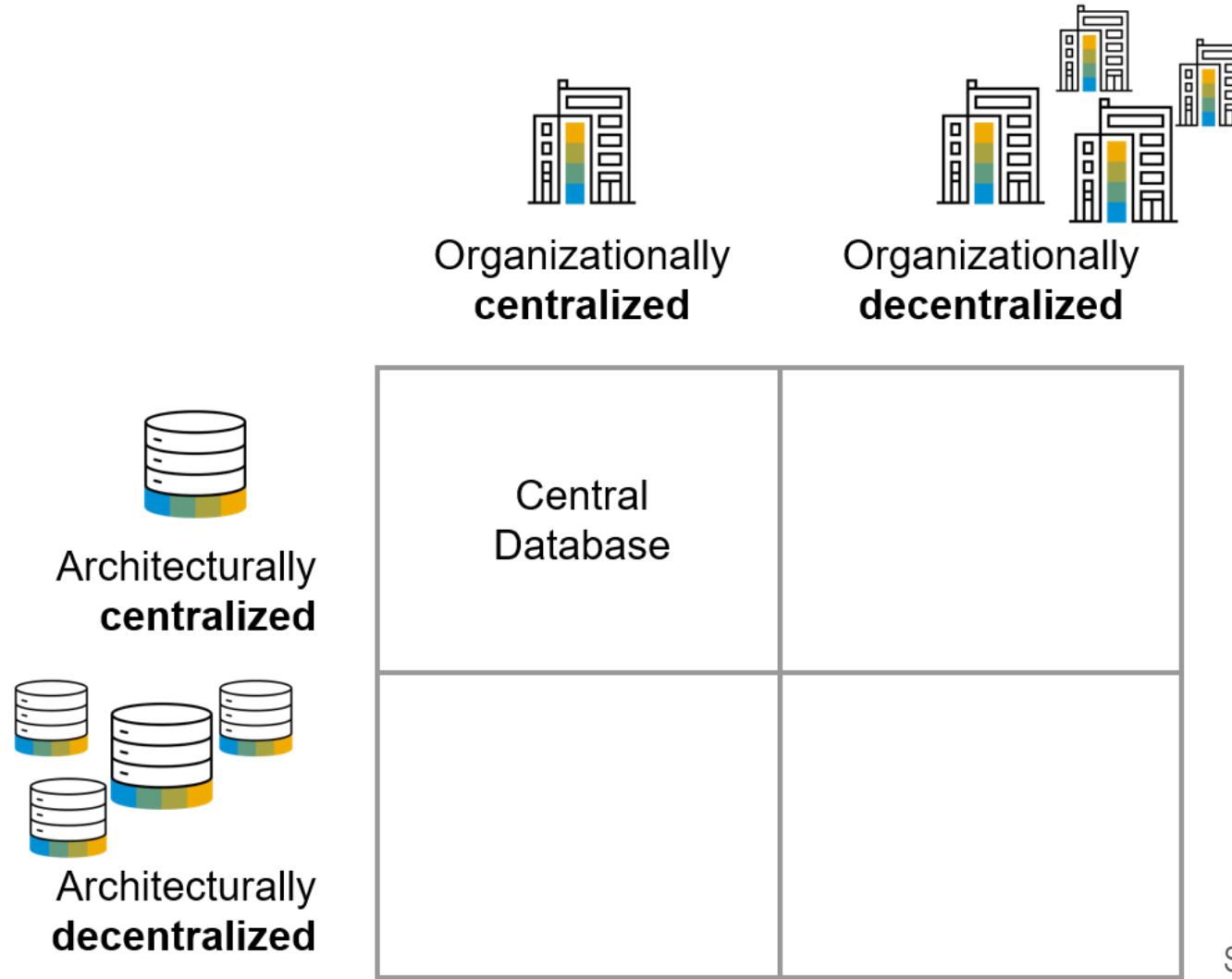
# SAP Leonardo – Blockchain

The sweet spot for blockchain



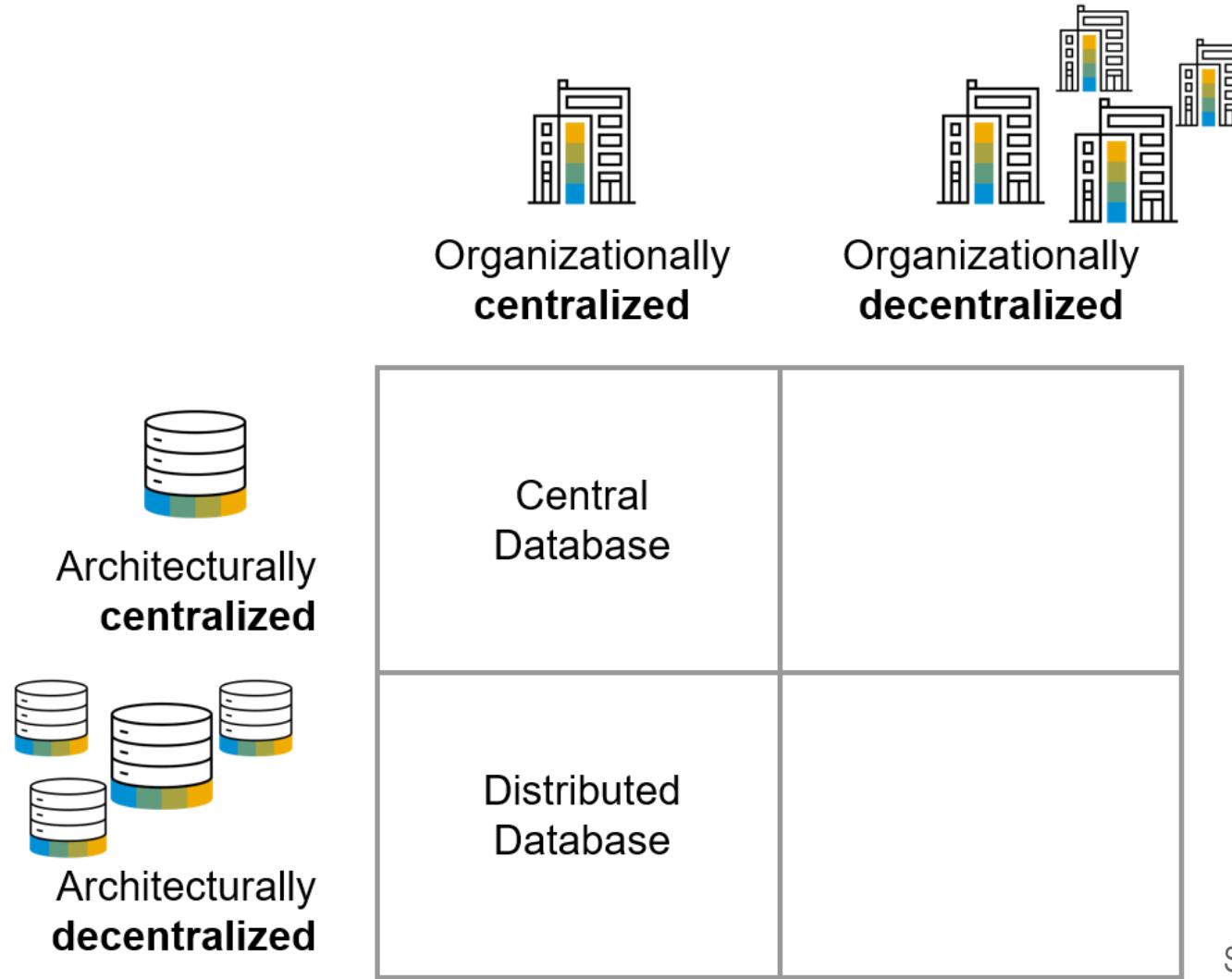
# SAP Leonardo – Blockchain

The sweet spot for blockchain



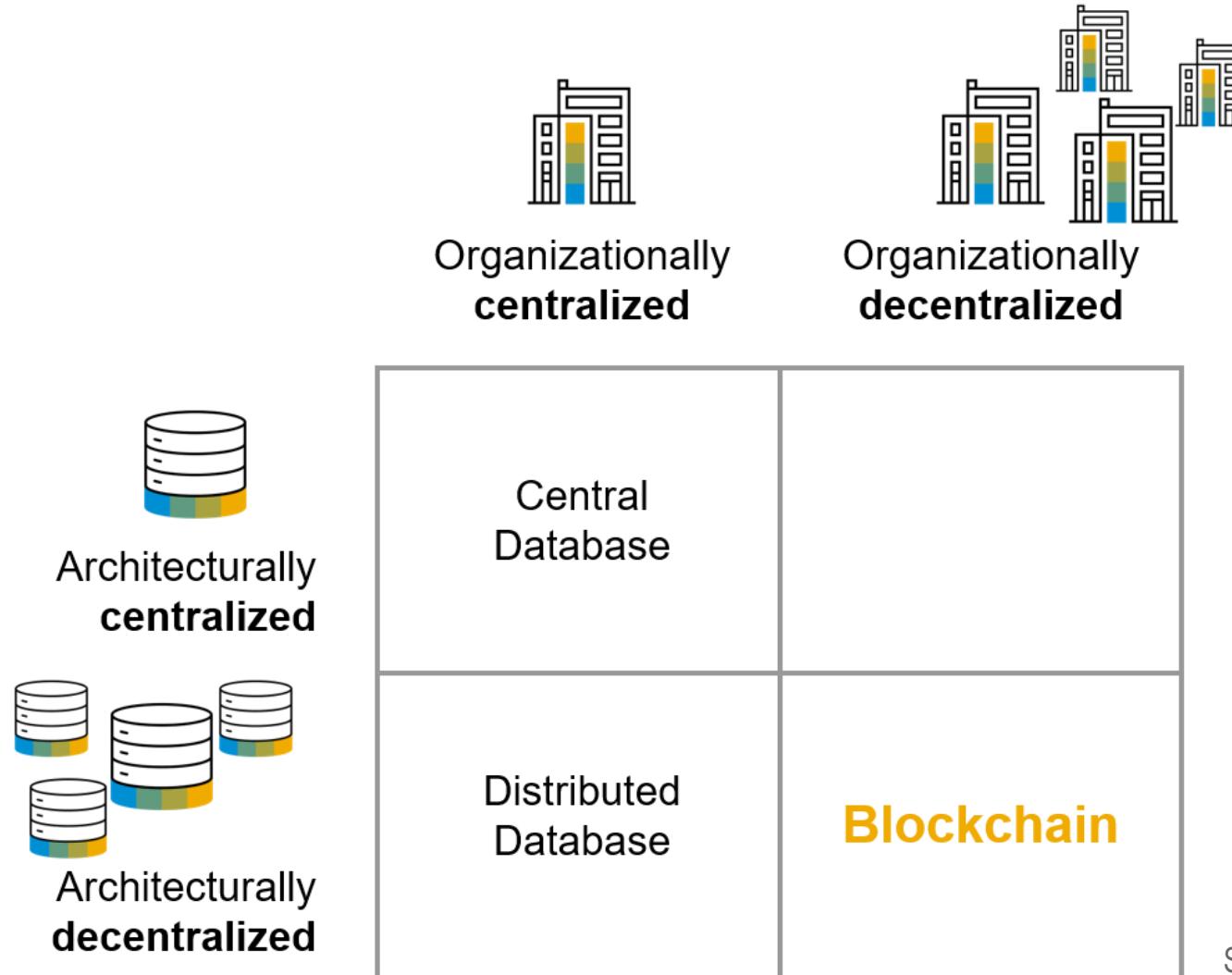
# SAP Leonardo – Blockchain

The sweet spot for blockchain



# SAP Leonardo – Blockchain

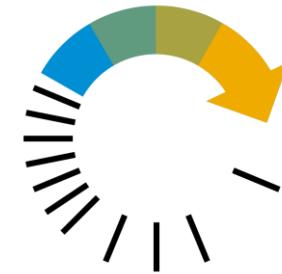
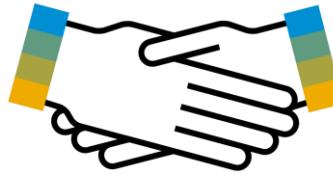
The sweet spot for blockchain



# SAP Leonardo – Blockchain

SAP's point of view: Blockchain is...

01011  
11010  
10| |  
01101



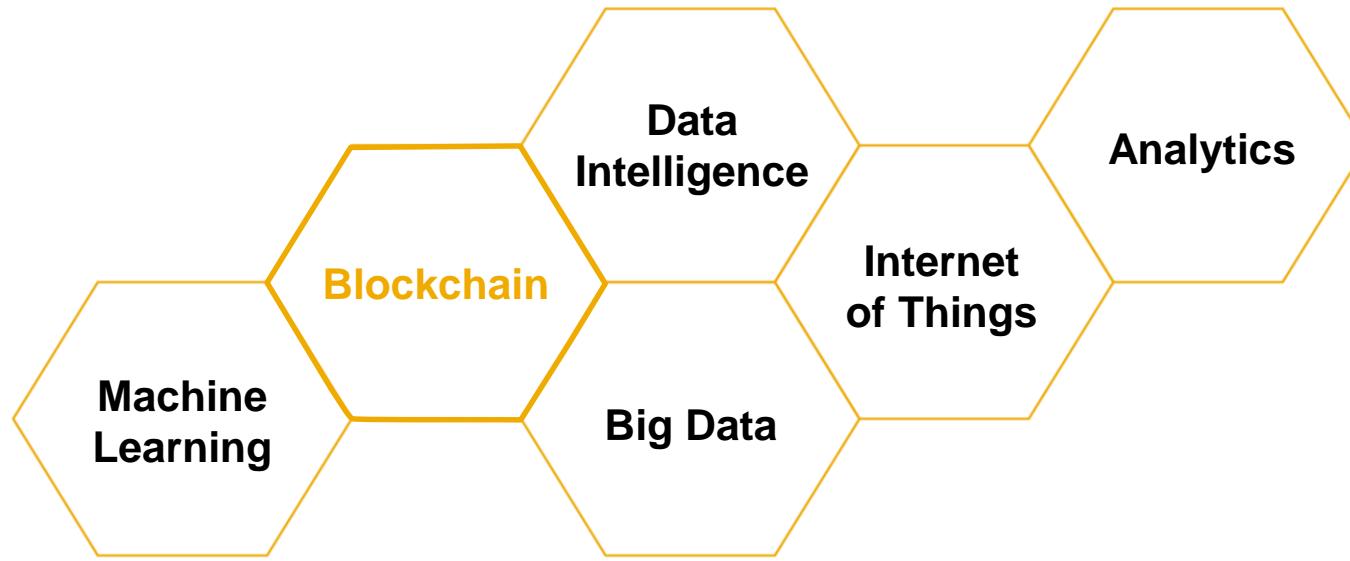
**Technology**

**New network-based  
business models**

**Business  
processes**

# SAP Leonardo – Blockchain

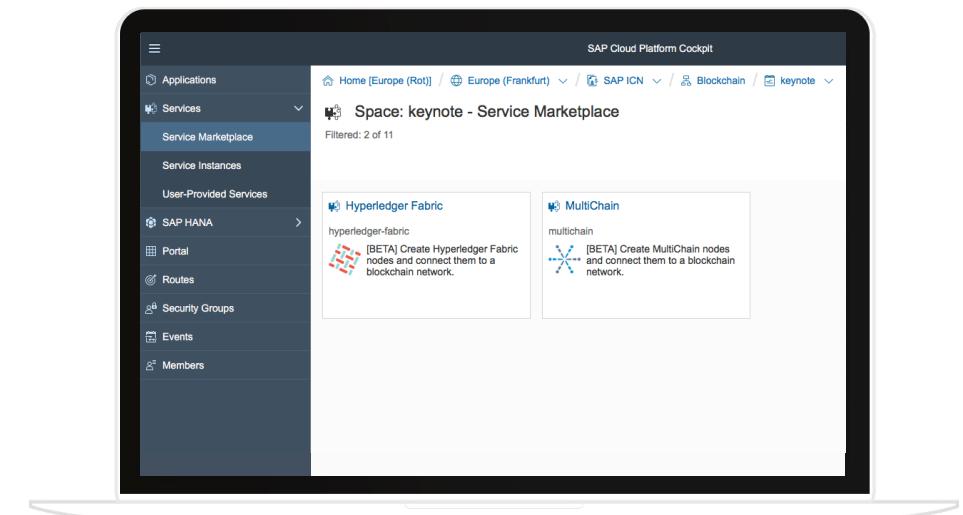
SAP Leonardo Blockchain offering



**SAP Leonardo  
Technologies**

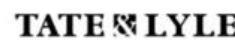


**SAP Cloud Platform  
Blockchain**



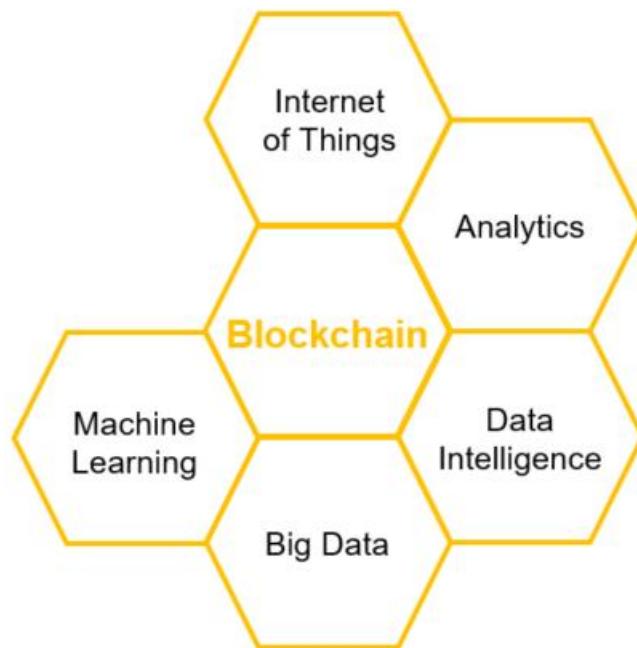
# SAP Leonardo – Blockchain

## SAP Blockchain Co-Innovation Program



# SAP Leonardo – Blockchain

New blockchain-driven, network-based business models



Technology

New  
network-  
based  
business  
models



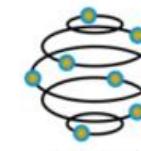
Business  
processes



Manufacturing  
& Supply Chain



Customer  
Experience



Digital  
Core



Network & Spend  
Management

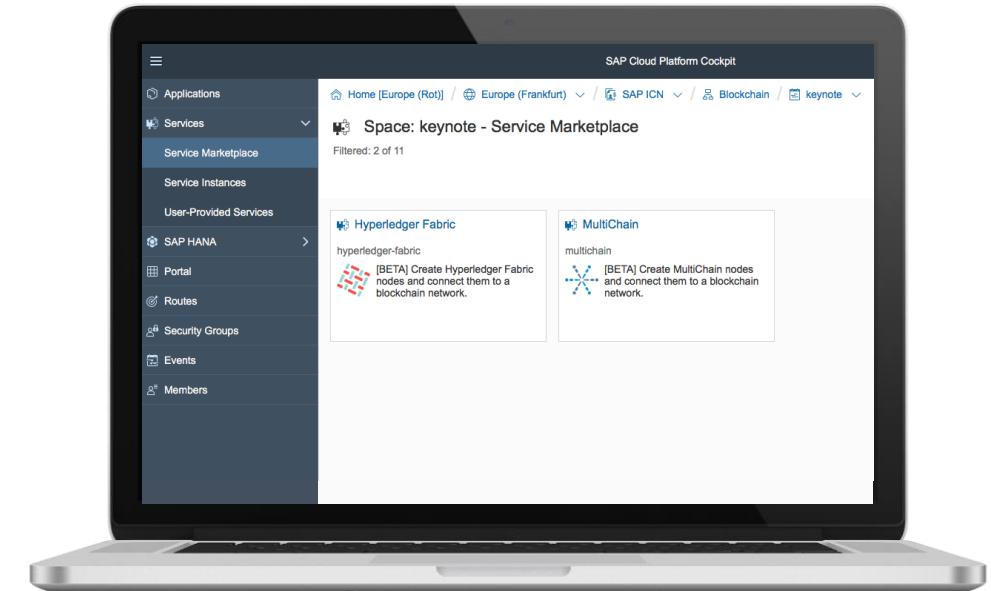


People  
Engagement

# SAP Leonardo – Blockchain

## SAP Cloud Platform Blockchain

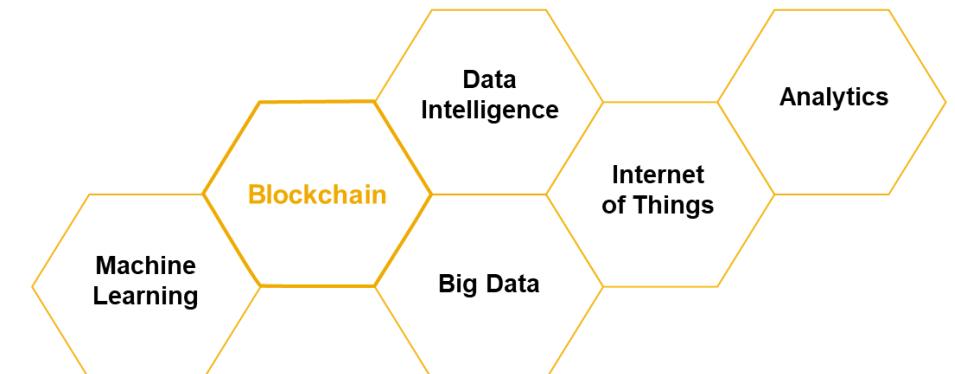
- Hyperledger Fabric on SAP Cloud Platform
- MultiChain on SAP Cloud Platform
- Blockchain application enablement
- SAP HANA Blockchain service



**SAP Leonardo  
Technologies**



**SAP Cloud Platform  
Blockchain**



# Thank you.

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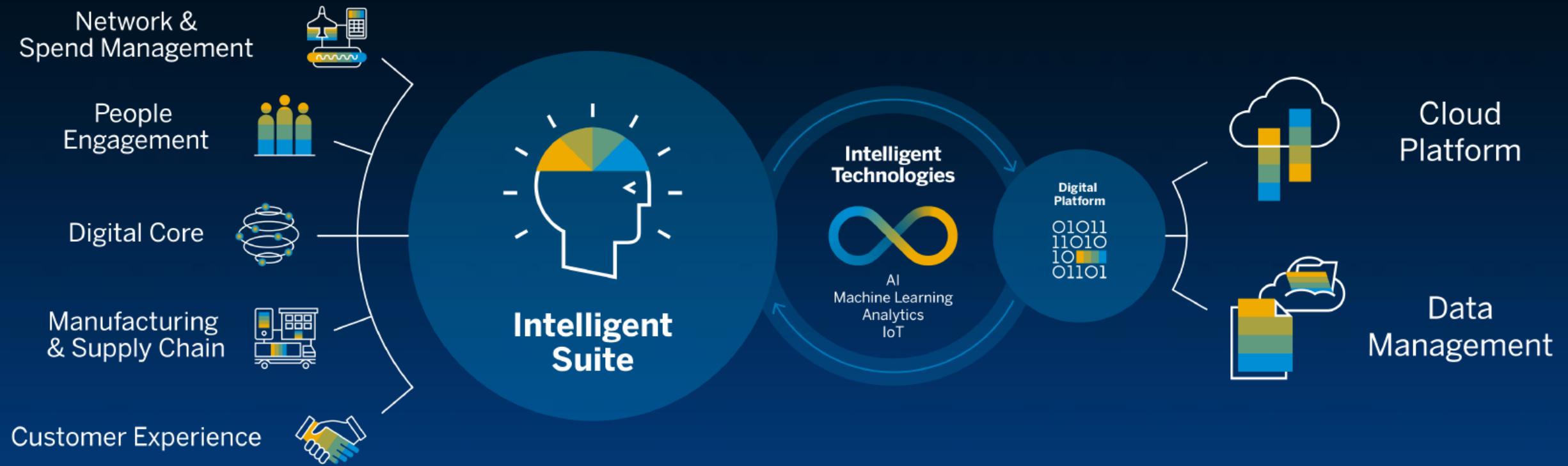


Course: SAP Leonardo – Enabling the Intelligent Enterprise

## **Unit 5: SAP Leonardo – Machine Learning**

# SAP Leonardo – Machine Learning

The Intelligent Enterprise Framework



# SAP Leonardo – Machine Learning

SAP Leonardo enables the Intelligent Enterprise



## Data & Integration

**77%** of the world's transaction revenue touches an SAP system

**25** industries

**7** lines of business

The world's largest business network



## SAP Leonardo Machine Learning

Conversational Experience

Intelligent Apps

Intelligent Platform

On SAP Cloud Platform & SAP HANA



## Business Outcomes



Increase revenue



Re-imagine processes



Quality time at work



Customer satisfaction



Enabling innovations

# SAP Leonardo – Machine Learning

SAP Conversational AI Revolutionizes Your Customers' Journeys



## Smart and accurate

Our multi-lingual deep-learning based technology outperforms the best in the world, as proven by Andreessen Horowitz in his AI playbook.



## Fast and easy

Our platform makes bot building smooth and quick, amounting to the shortest bot time-to-market in the industry (9 week average) through SAP C/4HANA, SAP CoPilot and other powerful integrations.



## Trained and to-go

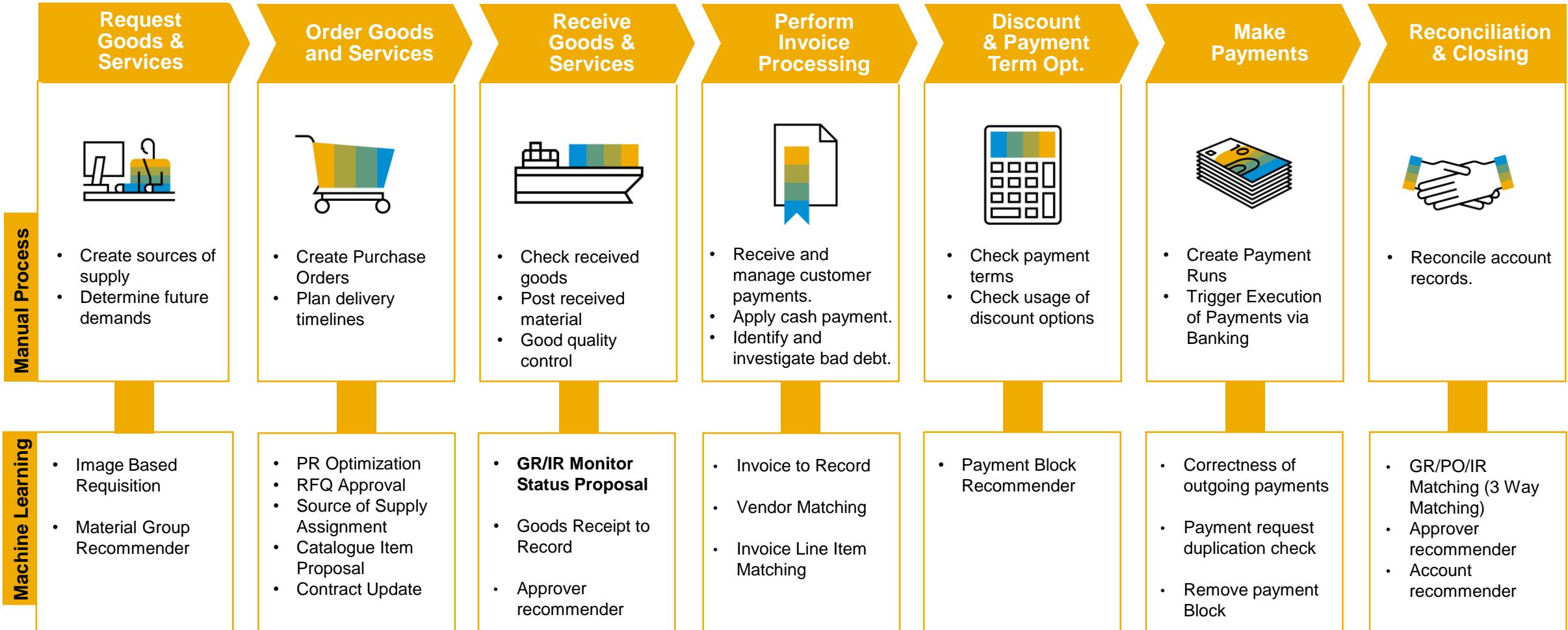
We are building self-trained and integratable deep intelligence in the telco, banking, insurance and utilities industry.





# SAP Leonardo – Machine Learning

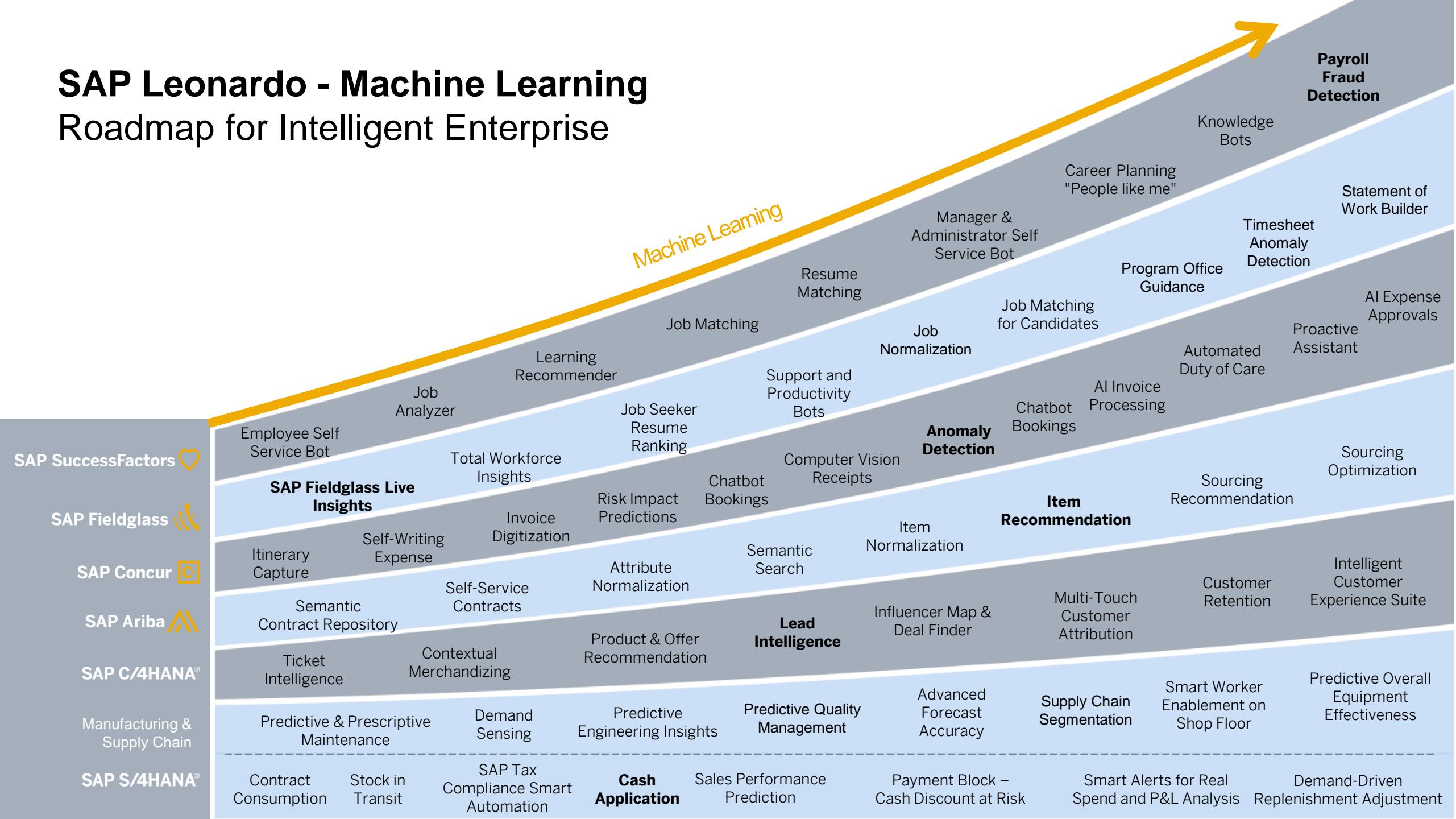
## Example: Self-driving Procure-to-Pay Process





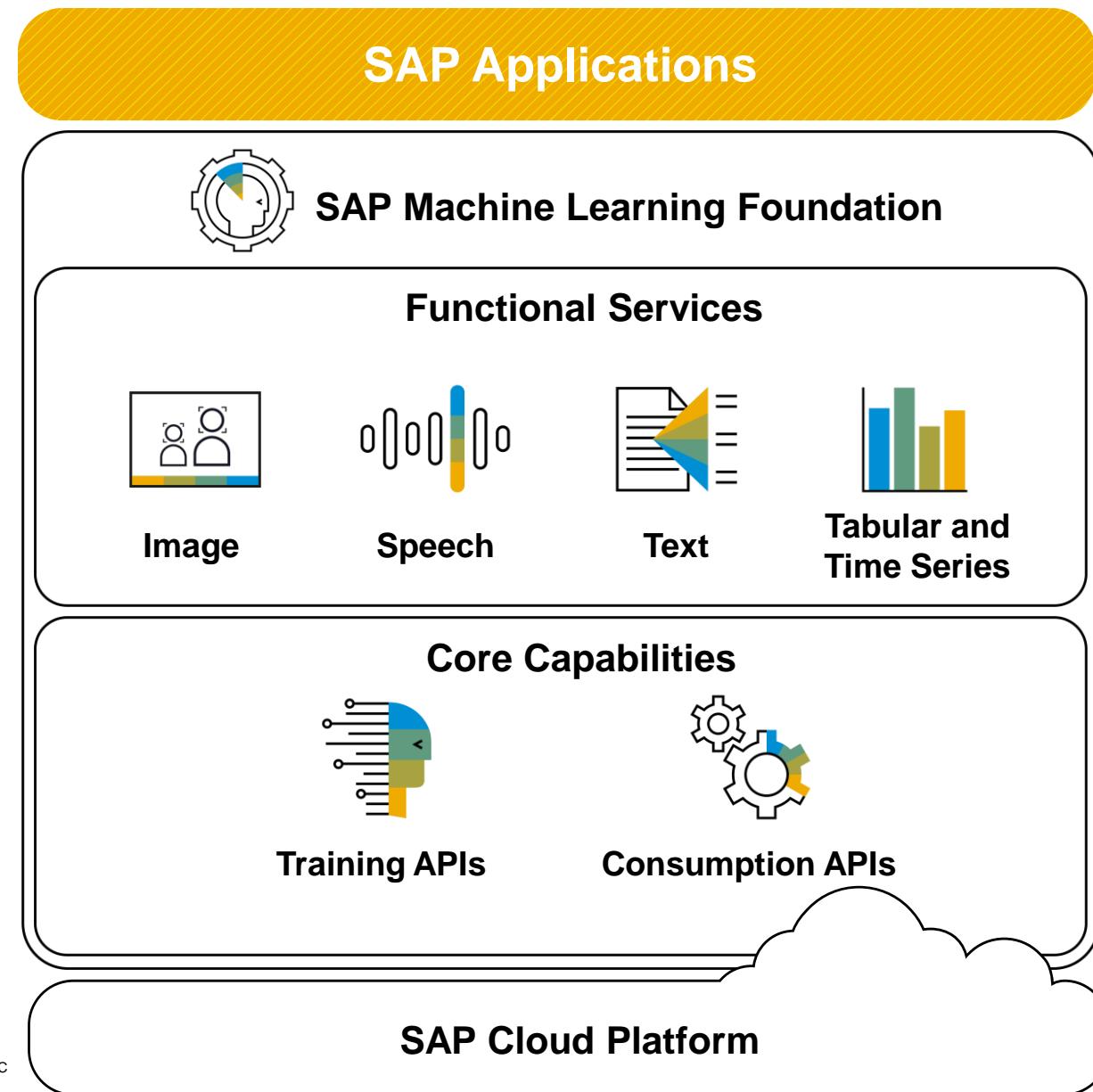
# SAP Leonardo - Machine Learning

## Roadmap for Intelligent Enterprise

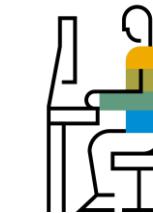


# SAP Leonardo - ML Foundation

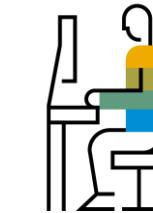
Architecture



User



Developer



Data Scientist

# SAP Leonardo ML Foundation

Applicable for a wide variety of use cases and industries

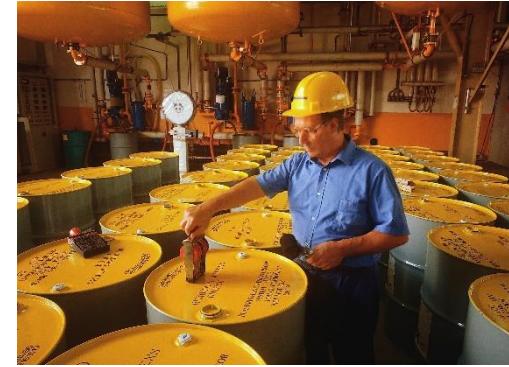
Car model detector



Workforce safety and compliance



Label detection



Identification of changes in contracts



Shelf monitoring



Spare part detection



Meter data extraction



Law to action



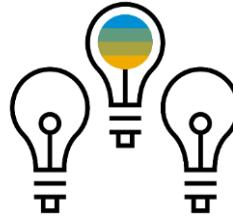


# SAP Leonardo - ML Foundation

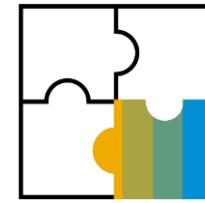
The enterprise-grade platform to augment business processes with machine learning



**Easy-to-consume & targeted at non-ML experts**



**Supporting the entire lifecycle of self-learning software**



**Tight integration with SAP software**



**Open towards multiple ML technologies**



**Scalable and secure cloud-based platform**

**DAIMLER**

**VALE**

**SWAROVSKI**

**SAP®**

# Thank you.

Contact information:

[open@sap.com](mailto:open@sap.com)

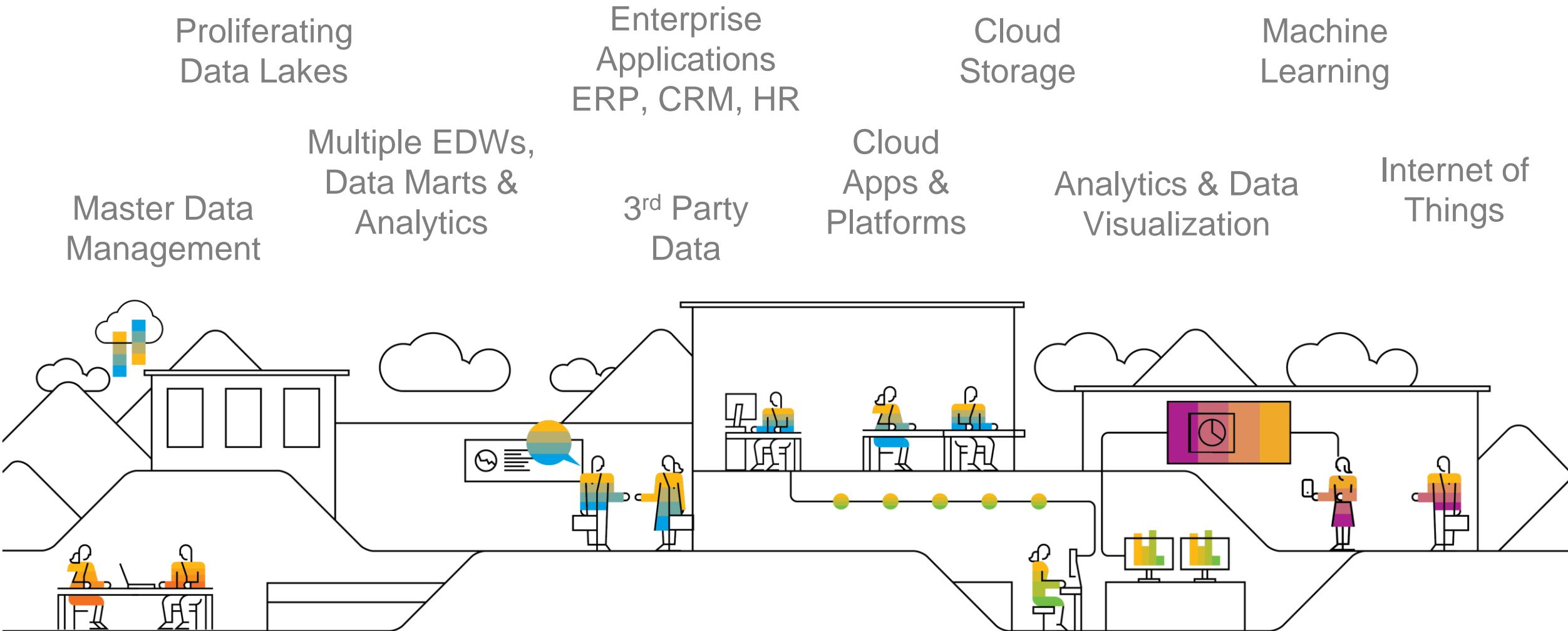


Course: SAP Leonardo – Enabling the Intelligent Enterprise

## Unit 6: SAP Leonardo – Big Data

# SAP Leonardo – Big Data

Enterprise data landscapes are growing increasingly complex

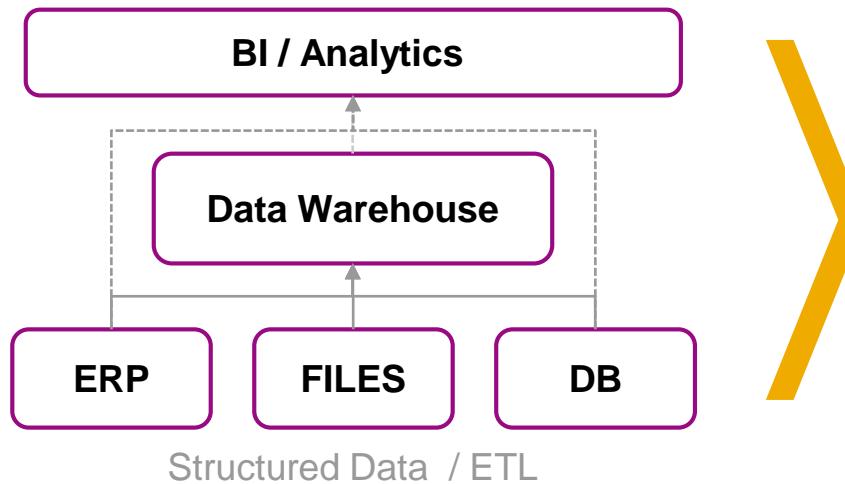


# SAP Leonardo – Big Data

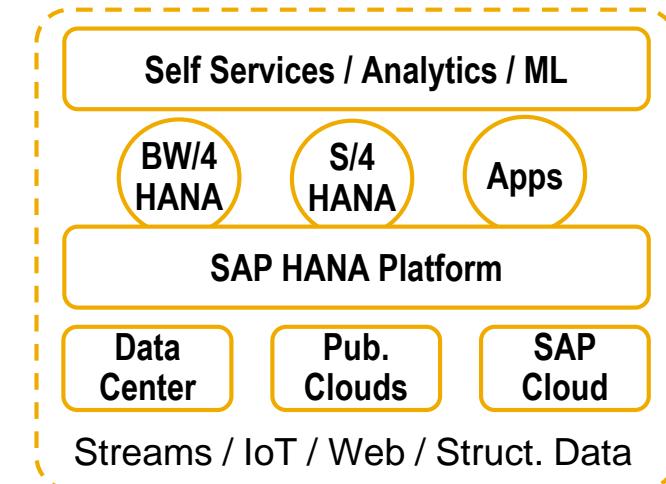
Modern landscapes – “Big Data” is transforming customer landscapes

From centralized, relational, on premise DWH approaches...

**Characteristics**  
App Server & DB  
OS & Hardware  
ETL-Driven  
Structured Data



...to modern distributed (cloud) data platforms



**Characteristics**  
Serverless Computing  
Containerized Software  
Distributed Data  
Data-Driven  
Any Format

## Key Drivers:

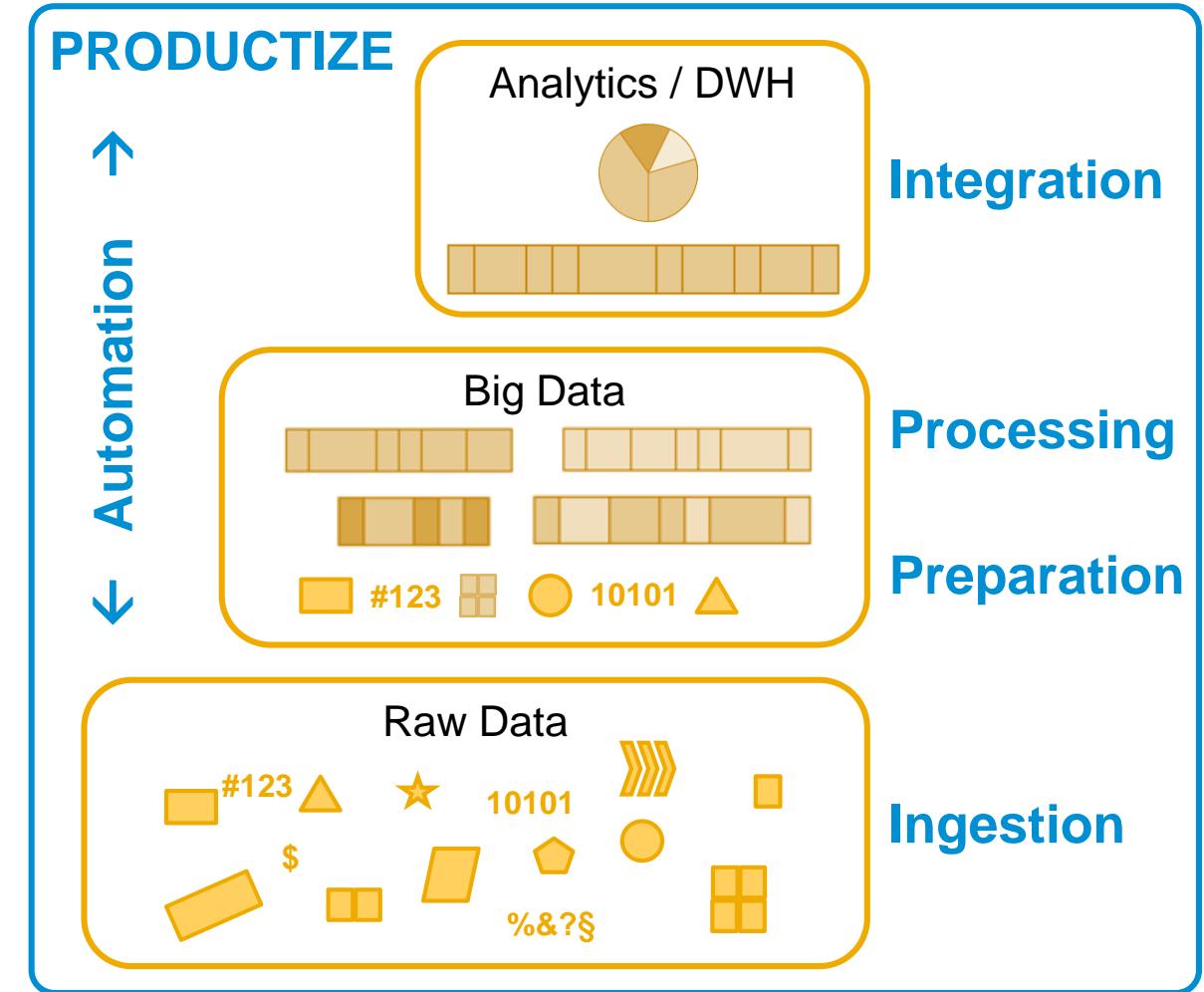
- Challenges for traditional architectures due to multi-structures, large data volumes, landscape scale-outs
- Growing cloud / data lake / IoT adoption

# SAP Leonardo – Big Data

Data landscape challenges – Data as biggest challenge

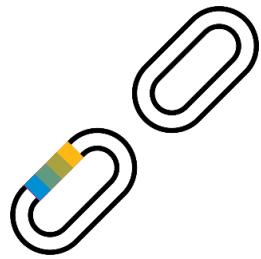
## Refining insights out of diverse data

- Handle large volumes  
→ not your main concern
- ETL or DWH are not the answer
  - Data formats & granularity
  - Data streams and flexible structures
  - Deploy logic at the data, not data at the logic
- Need to ensure integrated analytics across the enterprise
- Early insights on each level of data needed

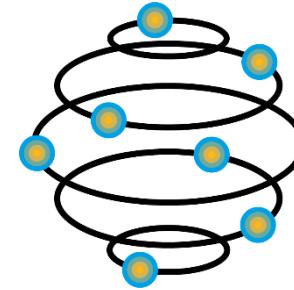


# SAP Leonardo – Big Data

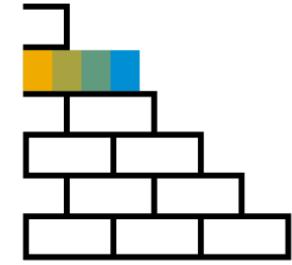
Challenges – Overcoming silos, complexity to drive better operations and insight



**Missing Link**  
between Big Data and  
enterprise data



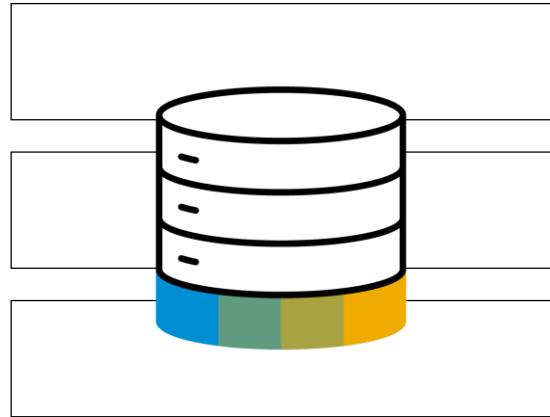
**Lack of  
Enterprise  
Readiness**  
of Big Data solutions



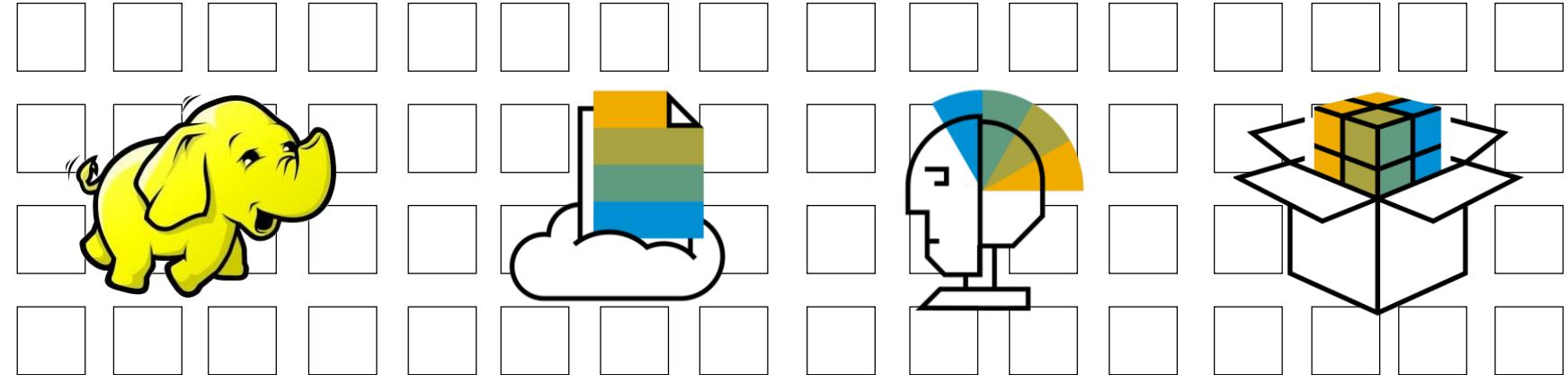
**Limited Tools =  
High Effort**  
to productize complex  
data scenarios across  
data landscape

# SAP Leonardo – Big Data

New challenges require new technologies – Distributed systems in a distributed landscape



Existing Systems



Hadoop/Spark

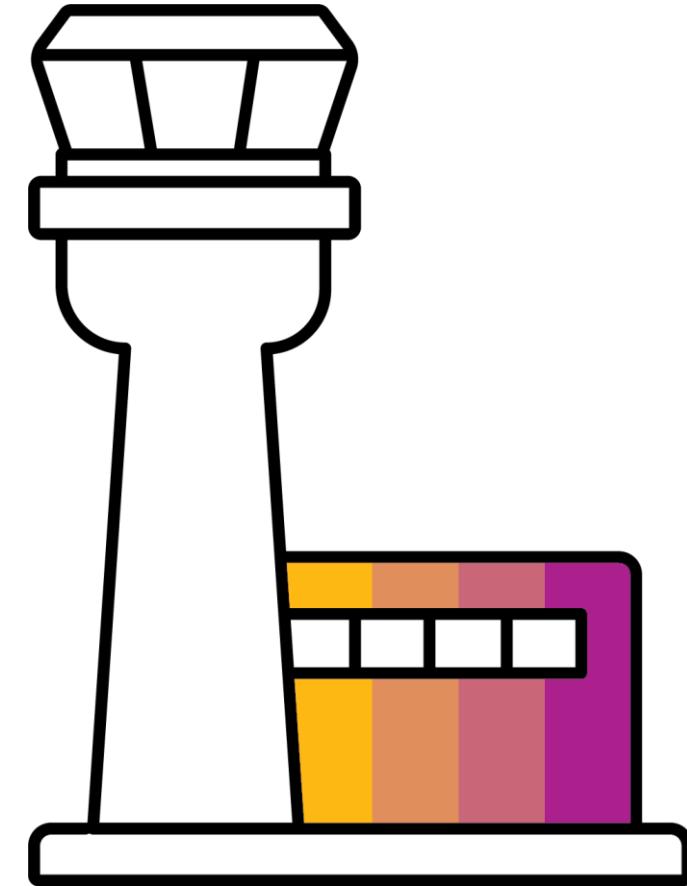
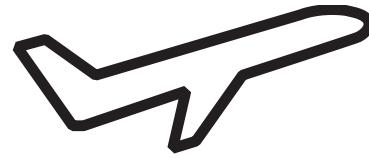
Cloud Storage  
(i.e. AWS S3)

Machine  
Learning  
(Python, Spark,  
TensorFlow)

Containers  
(Kubernetes, Docker)

# SAP Leonardo – Big Data

SAP Data Hub



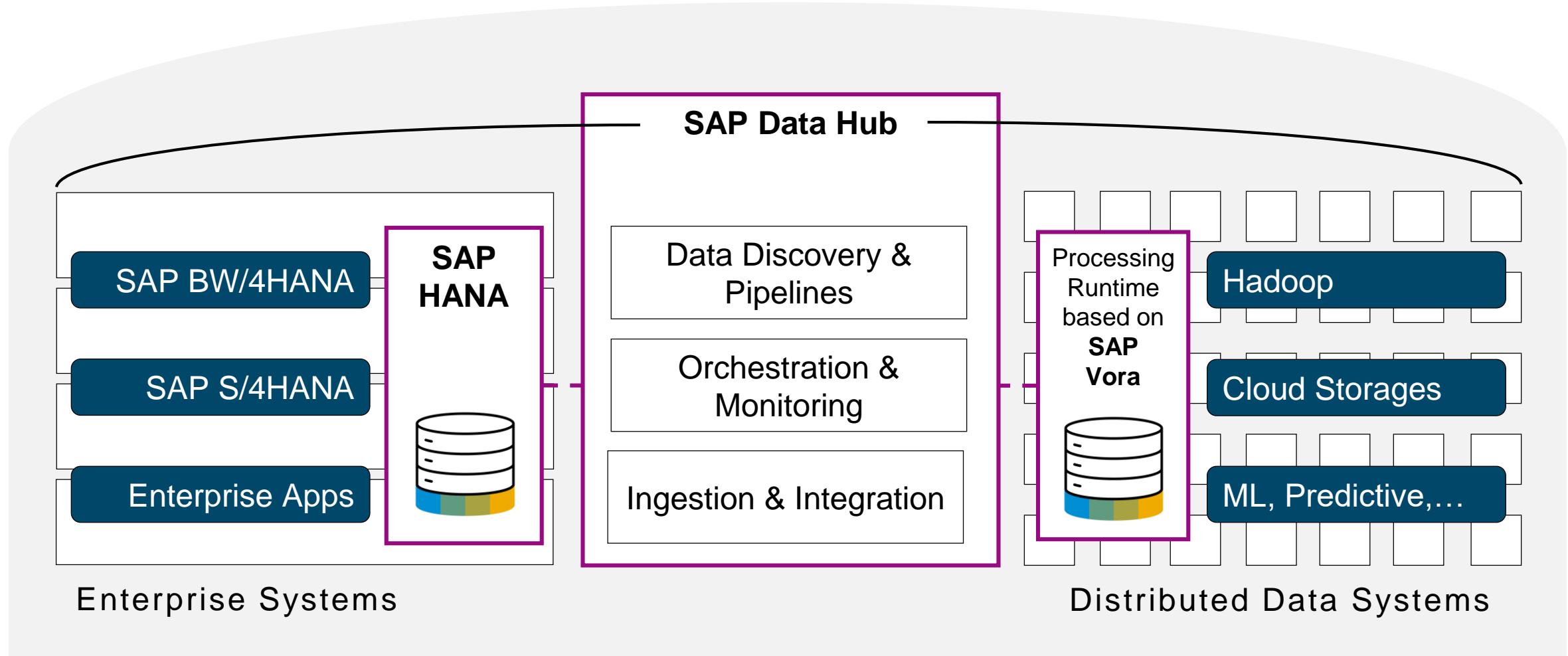
# SAP Leonardo – Big Data

## SAP Data Hub



# SAP Leonardo – Big Data

SAP Data Hub – Unifying data silos

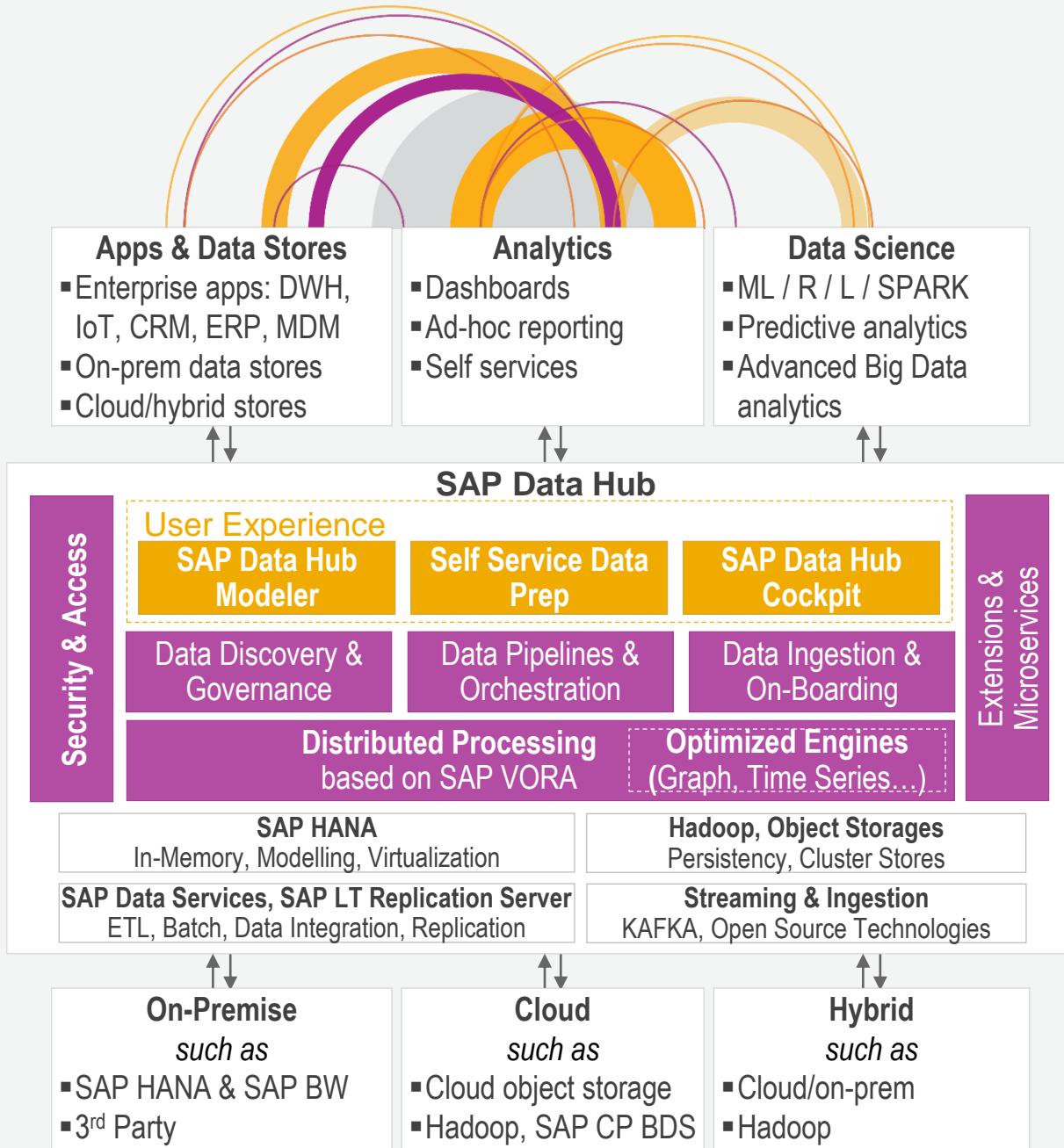


# SAP Leonardo – Big Data

## SAP Data Hub – Overview

### Define data-driven processes across complex enterprise landscapes

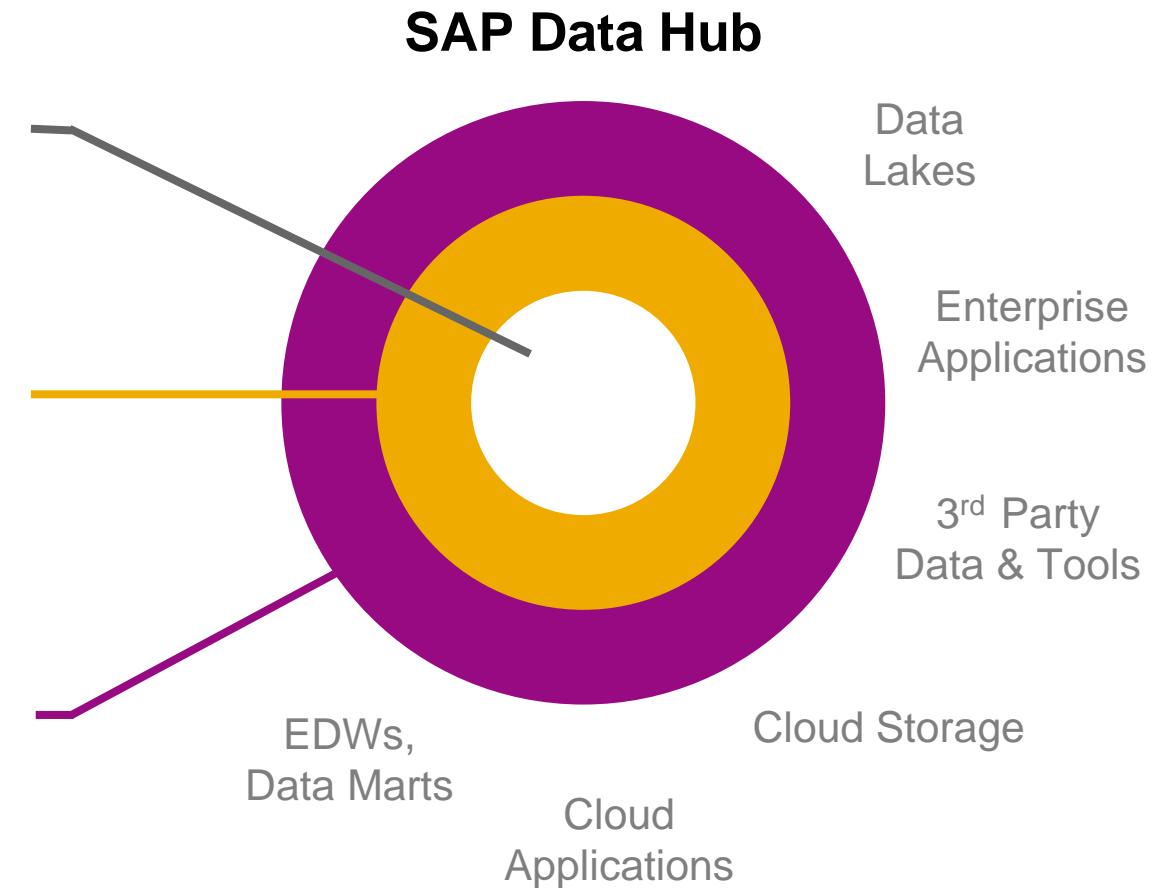
- Access on-premise, cloud, or hybrid data sources – SAP or non-SAP (Amazon, Hadoop)
- Leverage robust enterprise integration capabilities
- Connect easily to SAP data management and application solutions as data sources
- Connect to SAP and non-SAP applications and analytic solutions as endpoints



# SAP Leonardo – Big Data

## SAP Data Hub – Key functions and capabilities

- **Data Pipelines** – flow-based applications consisting of reusable and configurable operations, e.g. ETL, preparation, code execution, connectors
- **Workflows** – orchestrate processes across the data landscape, e.g. executing data pipelines, triggering SAP BW process chains, SAP Data Services Jobs and many more
- **Governance** – metadata repository of information stored in the connected landscape. Offering discovery, profiling, and search capabilities



# SAP Leonardo – Big Data

SAP Data Hub – Streaming and processing IoT data

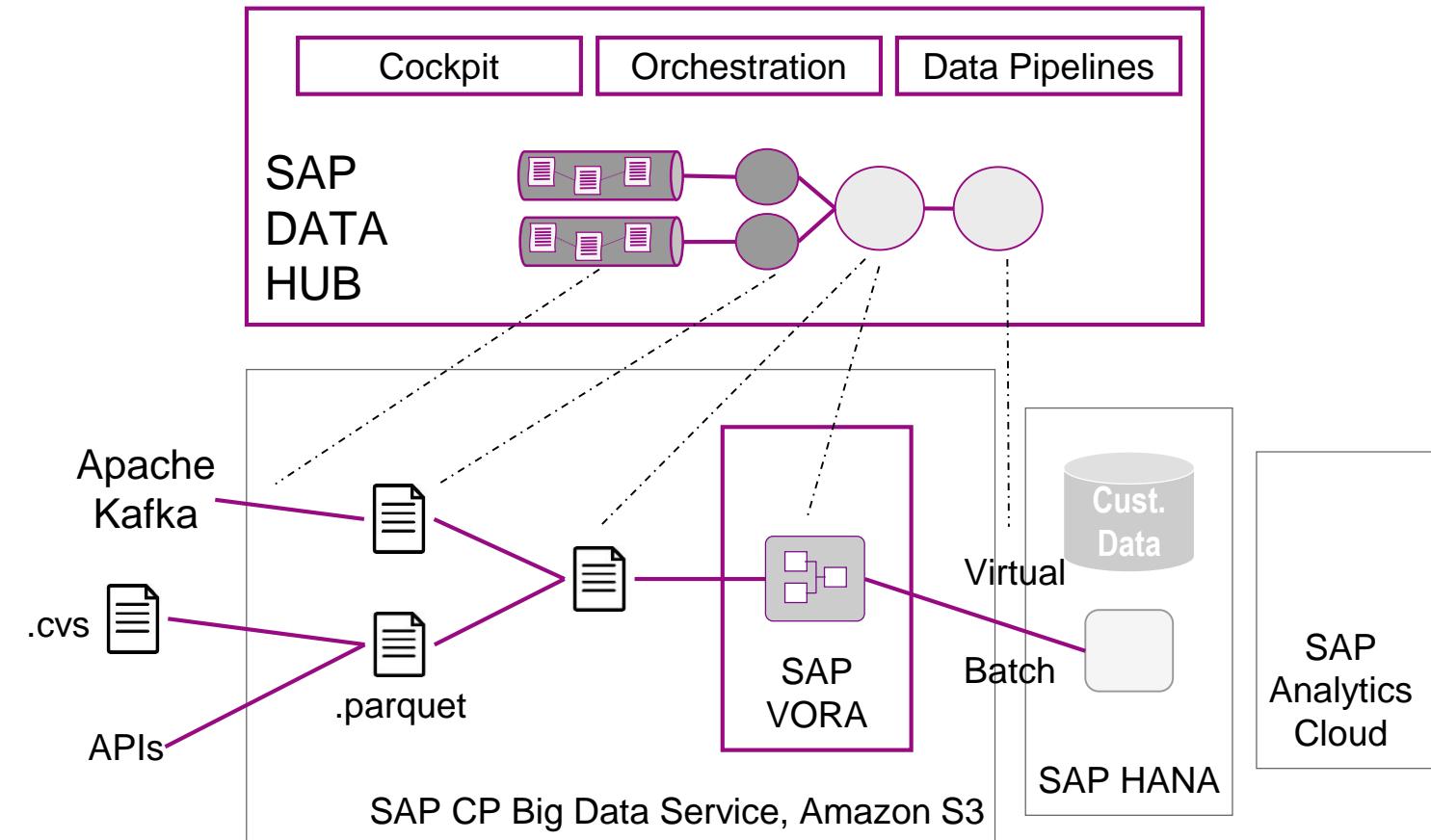
How to understand customer behavior and drive insightful decisions?

Customer example

- Smart appliances sending sensor data which needs to be processed
- ~6 million devices, 16 TB data volume per day

Solution with SAP Data Hub

- Refine business value from data ingestion to enterprise applications
- Visual modeling environment
- Governance and data management
- Orchestration and scheduling to define automated data-driven processes



# Thank you.

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Course: SAP Leonardo – Enabling the Intelligent Enterprise

## **Unit 7: SAP Leonardo – Data Intelligence**

# SAP Leonardo – Data Intelligence

DATA changes the world

SERVE YOUR  
CUSTOMER BETTER



DEVELOP NEW  
BUSINESS MODELS

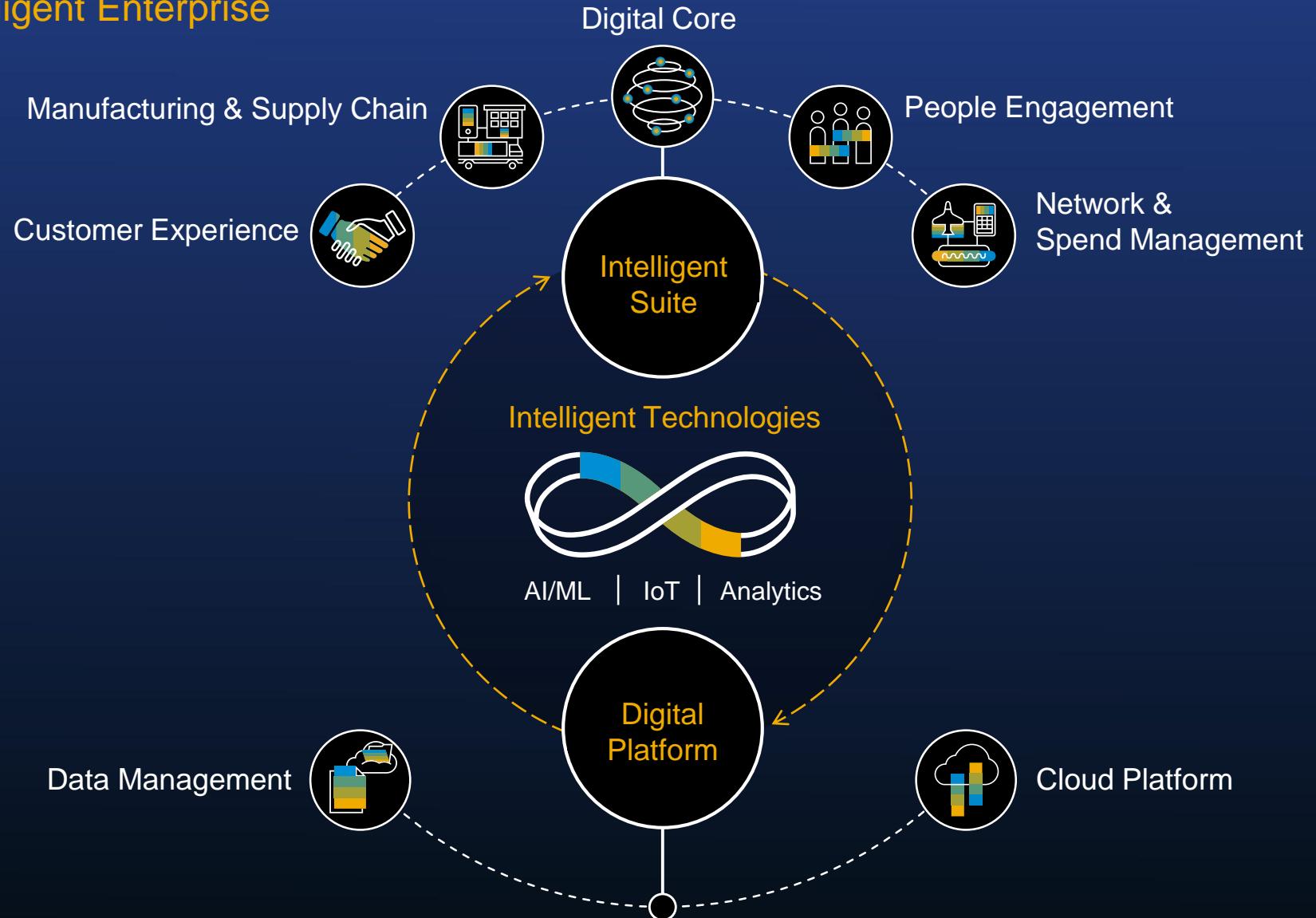


REIMAGINE  
BUSINESS PROCESSES



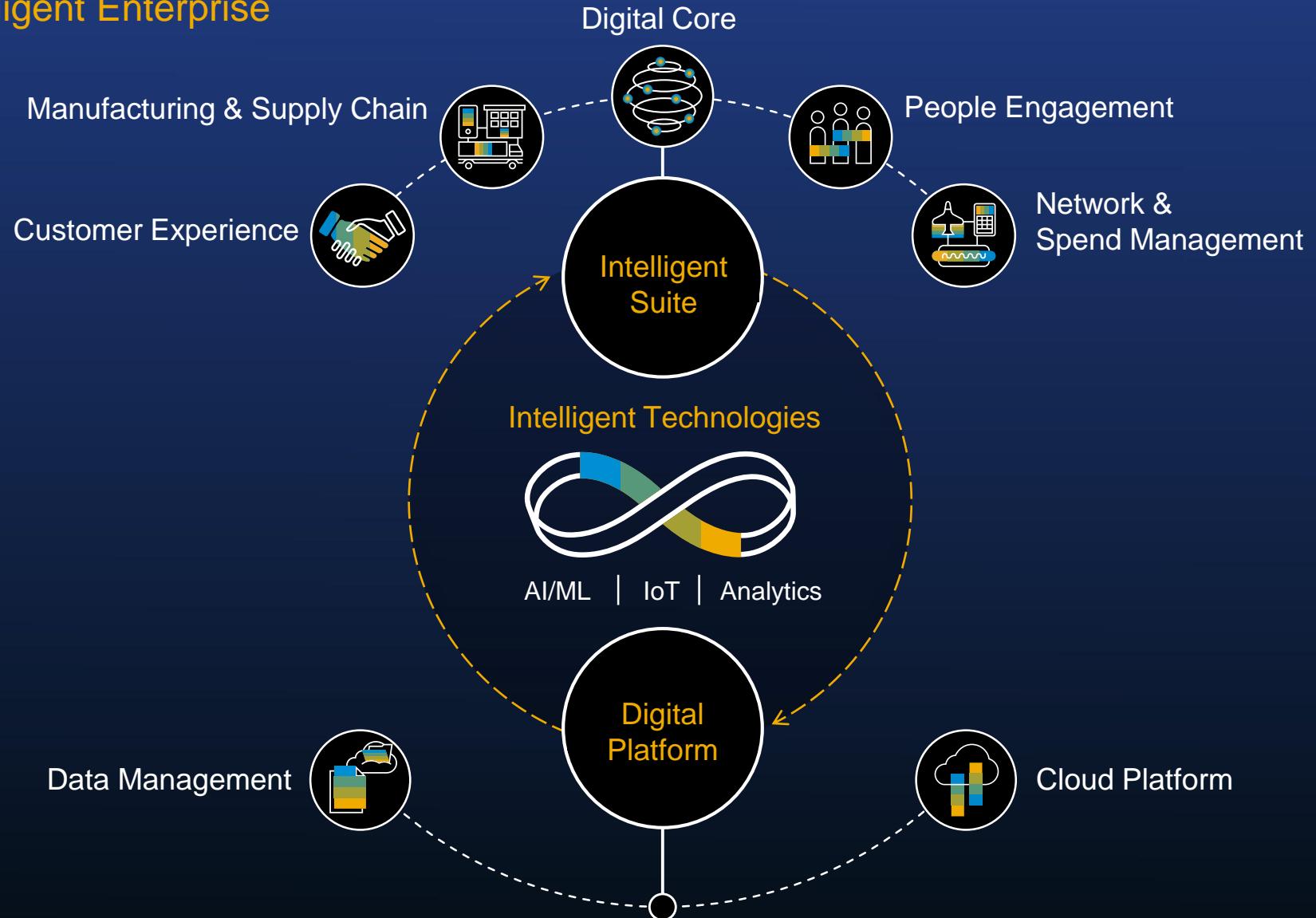
# SAP Leonardo – Data Intelligence

Deliver the Intelligent Enterprise



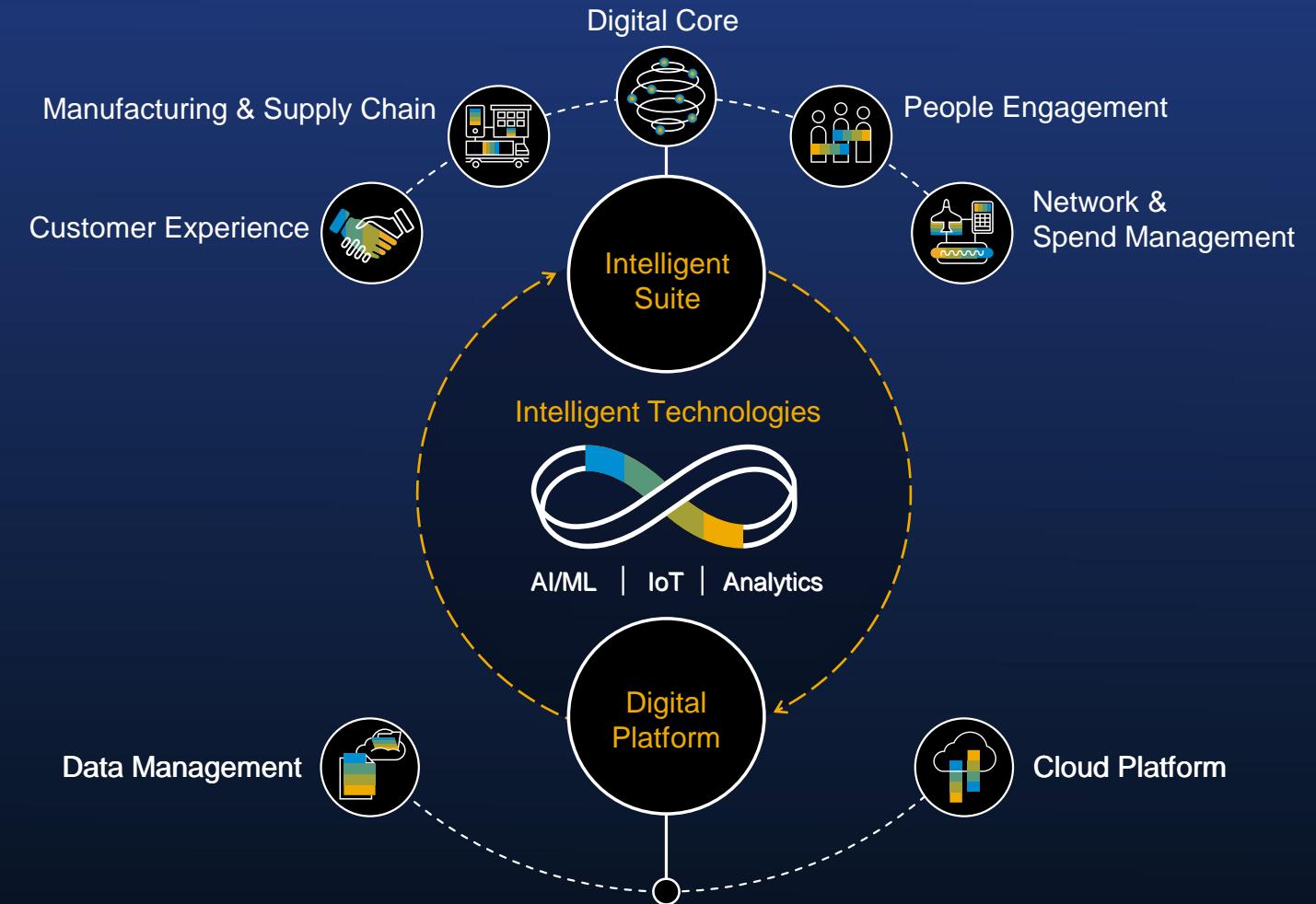
# SAP Leonardo – Data Intelligence

Deliver the Intelligent Enterprise

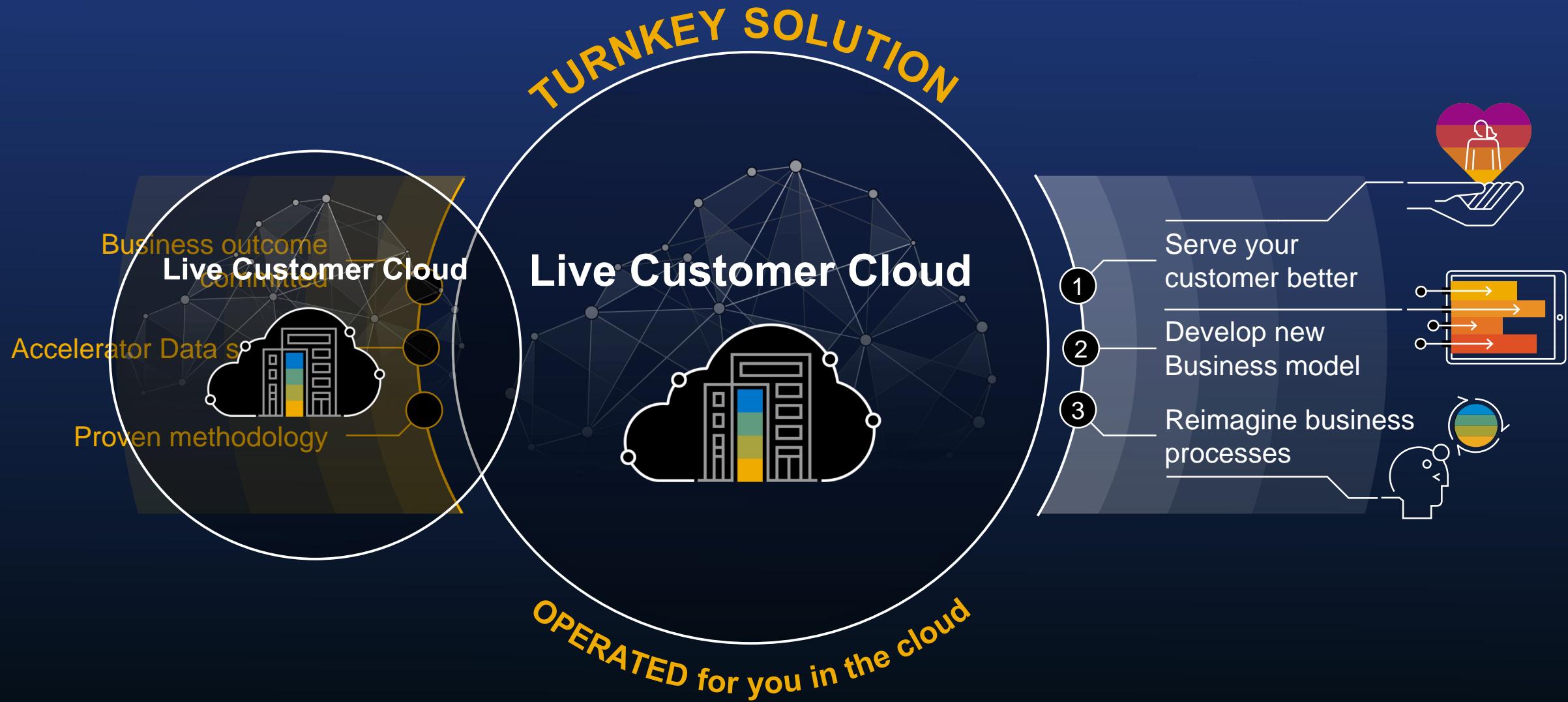


# SAP Leonardo – Data Intelligence

Live customer cloud

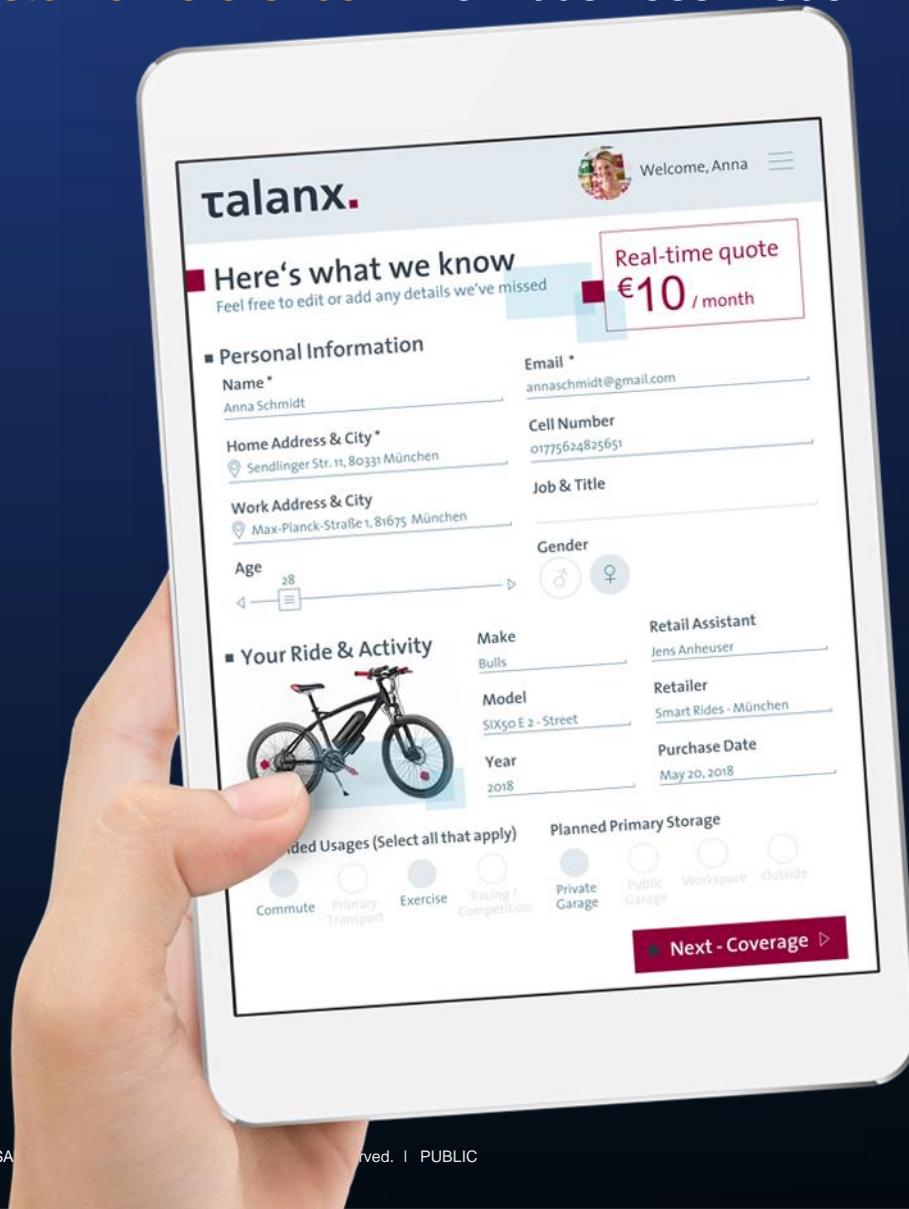


# SAP Leonardo – Data Intelligence



# SAP Leonardo – Data Intelligence

Customer reference – New business model

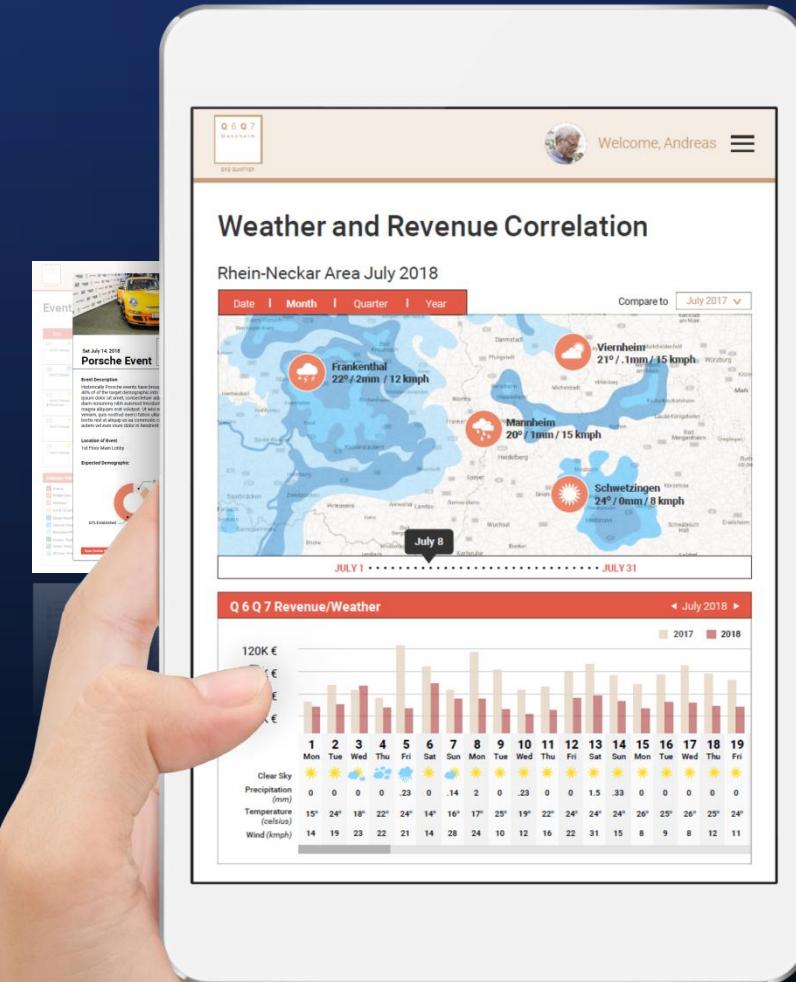
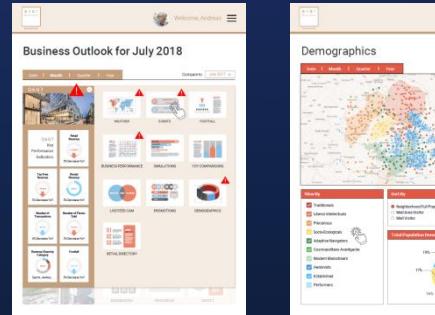


## talanx. HDI Data-Driven Insurance

- New channel at point-of-sale
- Hyper-personalized customer experience through data intelligence
- Data sharing for better value
- Frontline innovation connected with back-end processes

# SAP Leonardo – Data Intelligence

Customer reference – Serve your customer better

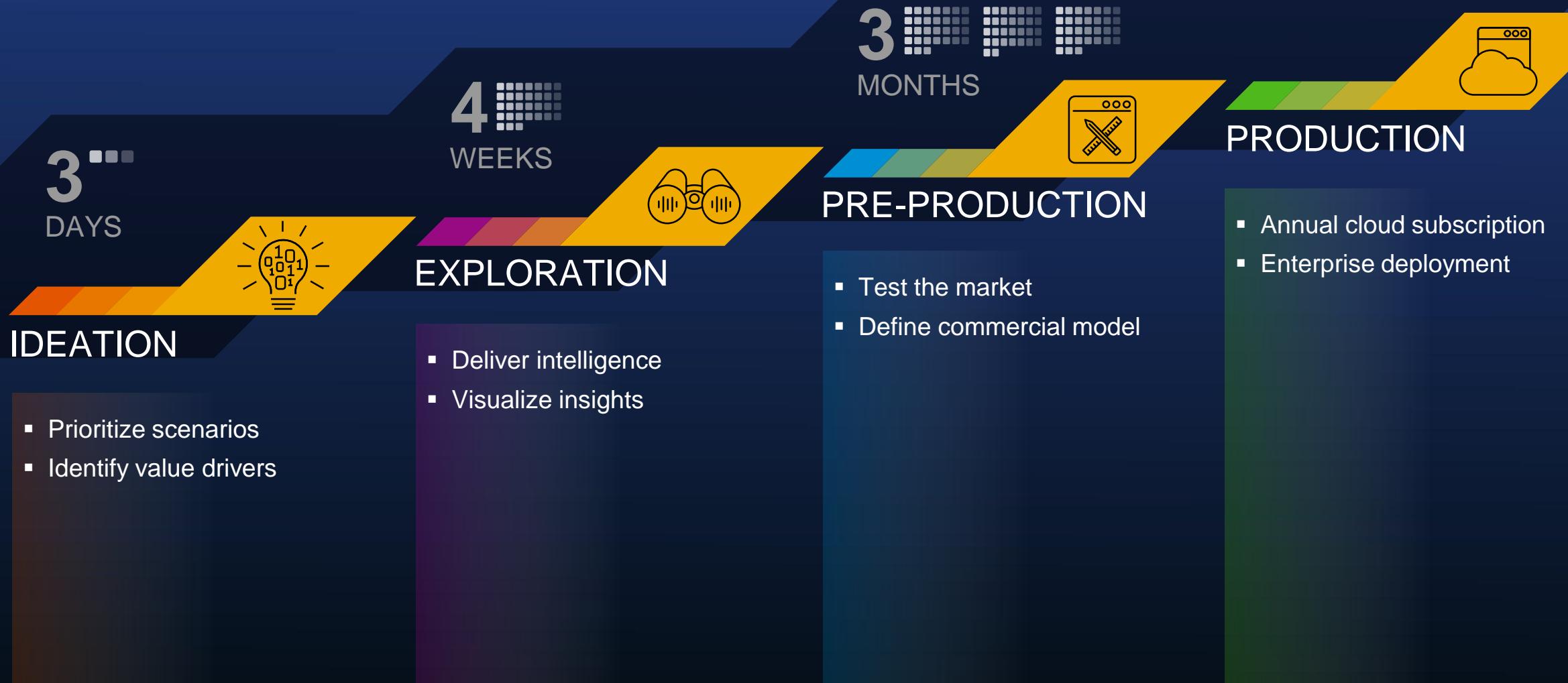


## Shopping Mall Live Insights

- Power of connected data
- Insights-to-action
- Tightly integrated

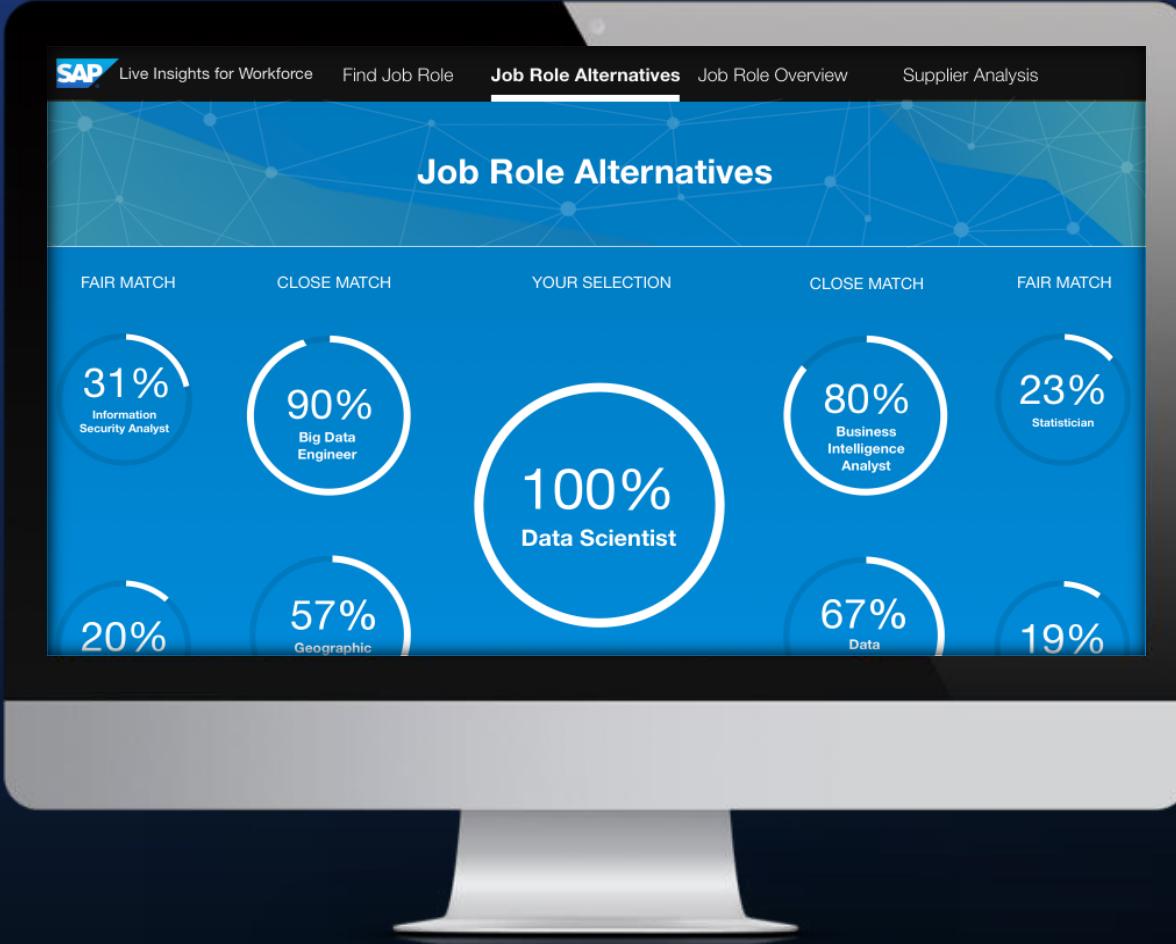
# SAP Leonardo – Data Intelligence

Proven methodology for data-driven innovation



# SAP Leonardo – Data Intelligence

SAP reference live insights for workforce – Reimagine business process



## The fight for talent is fierce.

- Leverage intelligence of the masses
- Find best talent
- Simulate strategic workforce scenarios

**SAP Fieldglass** 

**SAP SuccessFactors** 

# Thank you.

For more information visit us at

[www.sapdatanetwork.com/discover](http://www.sapdatanetwork.com/discover)



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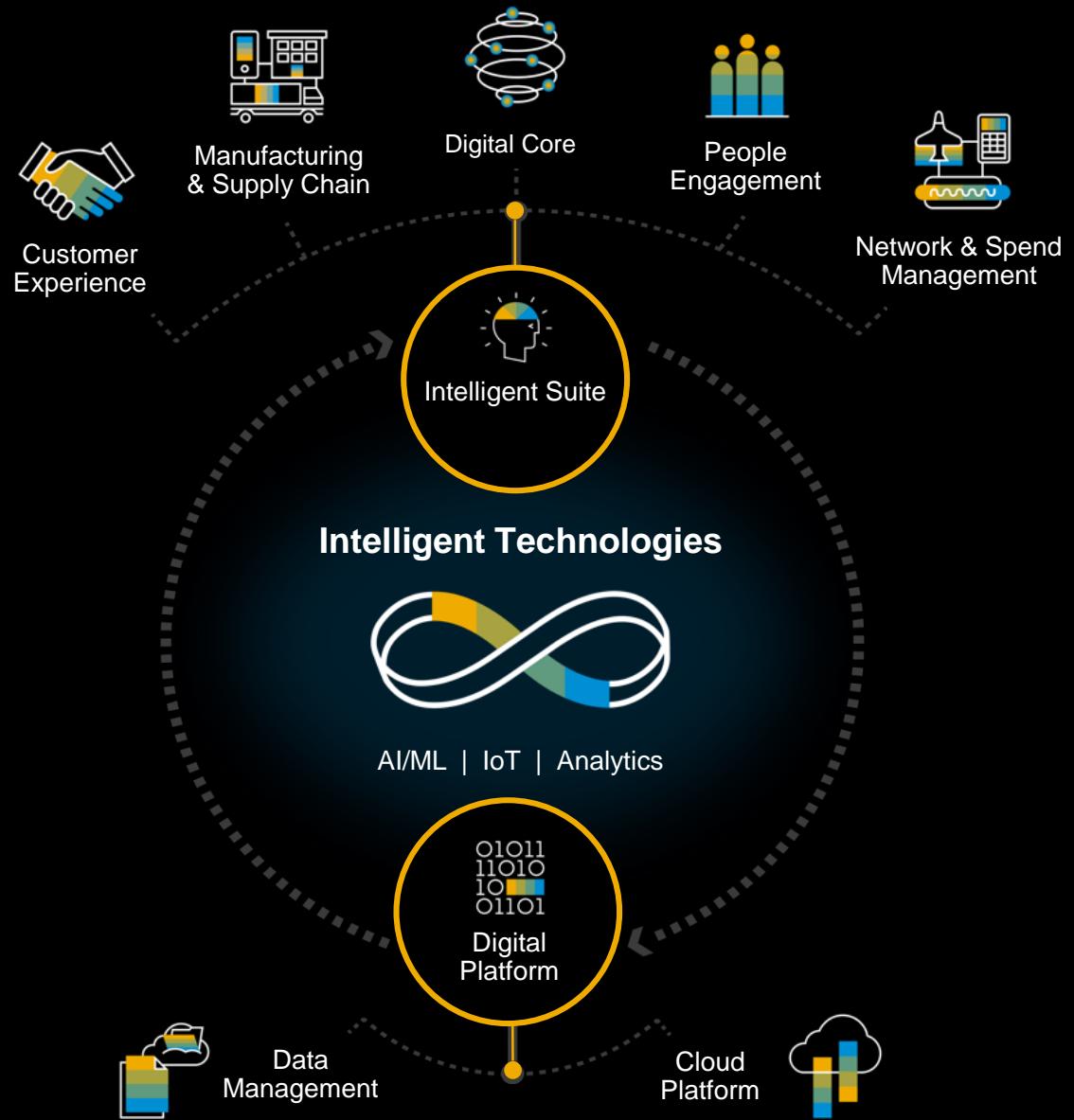
Course: SAP Leonardo - Enabling the Intelligent Enterprise

## **Unit 8: SAP Leonardo – What's Next?**

# The Intelligent Enterprise review

The Intelligent Enterprise features **3 key components**:

- 1 Intelligent Suite
- 2 Intelligent Technologies
- 3 Digital Platform



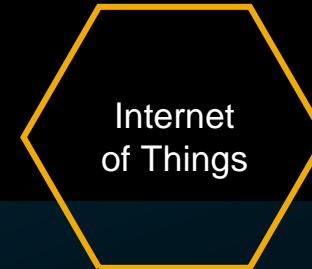
# How SAP Leonardo can help your business

Data-driven decision making	Self-driving business solutions	Digital twins mirror physical world	Communities of trust with smart contracts	Data-as-a-product
Value driver trees and what-if simulations	Customize models or bring your own	Intelligence at the edge	Shared source of digital truth	Curated data services

...

...

...



**SAP Cloud Platform** for all SAP Leonardo Innovations

SAP HANA Data Management Suite



# How you can consume SAP Leonardo

## Optimize

### Embedded Intelligence

Intelligent technologies embedded in SAP standard applications

**SAP S/4HANA®**

**SAP C/4HANA®**

**SAP SuccessFactors** 

**SAP Ariba** 

**SAP Concur** 

**SAP Fieldglass** 

## Extend

### Industry Innovation Kits

Pre-integrated capabilities that repeatedly accelerate solving common industry problems

- ◀ Solution Ideation and Vision
- ◀ Rapid Prototyping
- ◀ Integration Blueprint
- ◀ Business Case Development

## Transform

### Open Innovation

Best-in-class innovation with intelligent technologies powered by SAP Cloud Platform



**SAP Cloud Platform** for all SAP Leonardo Innovations

# SAP Leonardo – an open framework

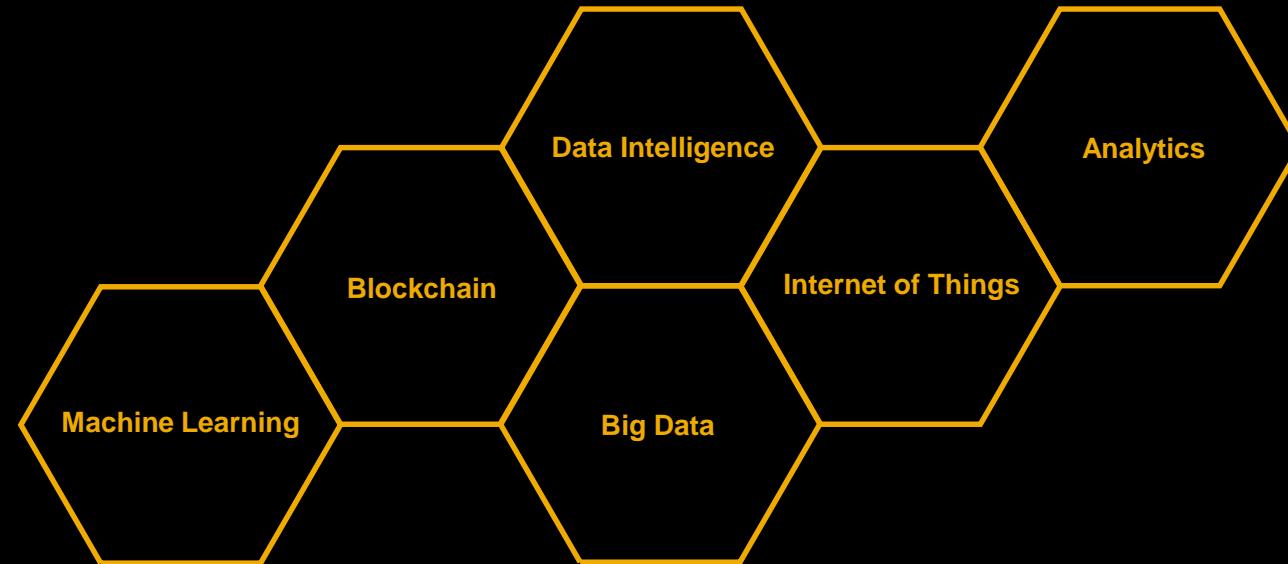
Design-led innovation

Solution ideation and vision

Rapid prototyping

Integration blueprint

Business case development



SAP Cloud Platform

Microservices | Open APIs | Flexible Runtimes | Integration

SAP HANA Data Management Suite

SAP HANA | SAP Data Hub | SAP EA Designer Services |

AWS S3  
SWIFT  
Hadoop  
...

Multi-Cloud Infrastructure

SAP

Google Cloud Platform

Microsoft Azure

amazon web services

## Open



Google Cloud Platform

Microsoft Azure



SAP HANA

SAP Vora



CLOUD FOUNDRY



## Rich

- Security
- Mobile
- Integration

- Analytics
- Business Services
- UX & Collaboration

## Ecosystem

- Heterogeneous
- Interoperable

- Standards-Based
- Extensible

# SAP Leonardo centers



📍 Current SAP Leonardo Centers

● Planned SAP Leonardo Centers

**Experience spaces | Tangible showcases | End-to-end offerings**

A global network to help ...



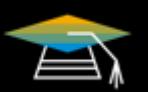
Customers



Partners



Startups



Universities

in your Intelligent Enterprise journey



IoT



Analytics



Big Data



Machine learning



Blockchain



Data intelligence

SAP Cloud Platform

supported by SAP partners



System  
integrators



Software  
solution  
providers



Technology  
partners



IoT sensor and  
machinery partners



# **Bring Intelligence to Your Business**

## **SAP Leonardo**

# Thank you.

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SAP Chief Innovation Officer

 @JM\_SAP

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