SAP LEONARDO the digital innovation system

Salvatore De Caro
SAP Leonardo Architect

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DIGITALIZATION

Every company to became a software-driven company by

Intelligently connecting people, things, and businesses

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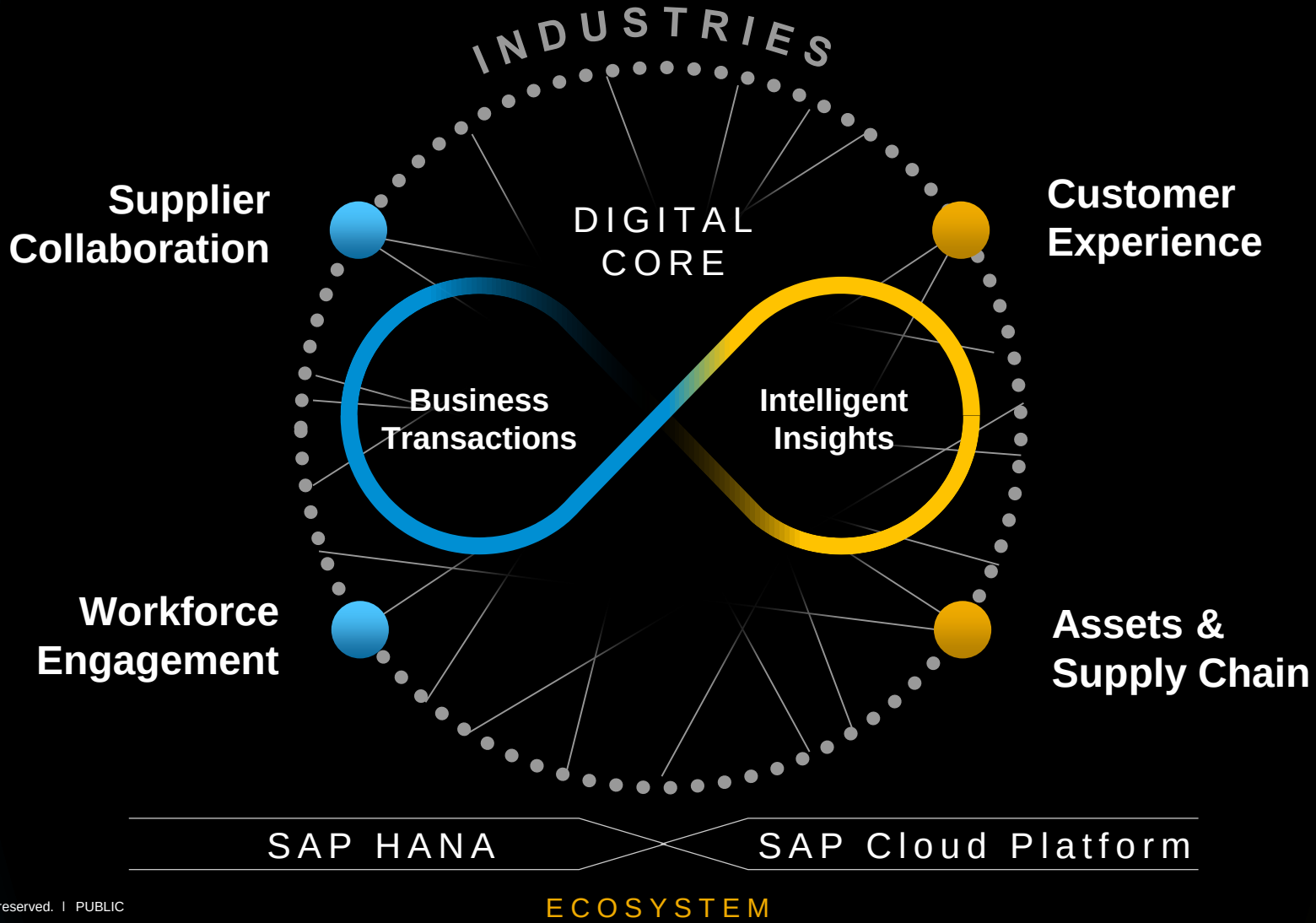
SAP Leonardo Builds on SAP Digital Transformation Framework



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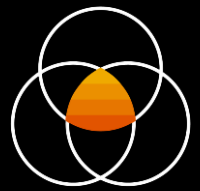
Platform Innovation Strategy – Foundation for SAP Leonardo

Message

Intelligently connecting People, Things, and Businesses

Build Extend Integrate

Platform Capabilities

Big Data Insights/ Machine Learning	User Experience/ Mobile	Collaboration	Digital/ IoT	Integration/ Security
				

Lines of Business

DDM | HCM | Procurement | SAP Concur | SAP S/4HANA | SAP Hybris | SAP Fieldglass | …

Industries

Industry Scenarios

Ecosystem

Breadth of Innovation on **SAP Cloud Platform Consumption Experience** – Industry, LoB, Service Best Practice

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SAP Leonardo

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

SAP LEONARDO Technologies

SAP Cloud Platform — Microservices | Open APIs | Flexible Runtimes | Integration

Data Management — SAP HANA | SAP Data Hub | SAP Vora | Other SAP | Open Source Storages | AWS S3, SWIFT, Hadoop, …

Multi-Cloud Infrastructure — SAP | Google Cloud Platform | Microsoft Azure | amazon web services

Open

hadoop, Apache Spark, kafka, Google Cloud Platform, Microsoft Azure, redis, mongoDB, Java, SAP HANA, SAP Vora, amazon web services, amazon web services S3, PostgreSQL, python, CLOUD FOUNDRY, JS

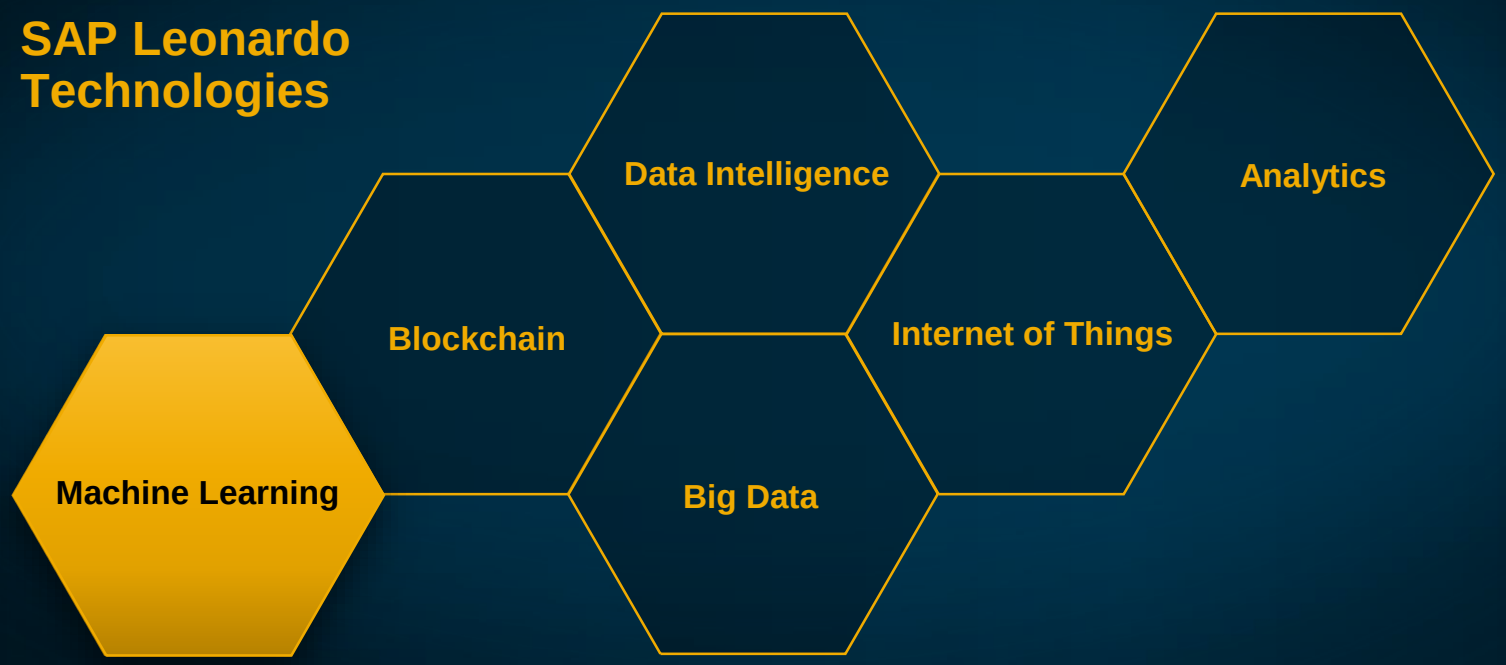
Rich

- Security
- Mobile
- Integration
- Analytics
- Business Services
- UX & Collaboration

Ecosystem

Java, HTML5, node.js, python, Ruby

SAP Leonardo



Machine Learning

Applications

- SAP Cash Application
- SAP Brand Impact
- SAP Service Ticketing
- SAP Fraud Management
- SAP Customer Retention

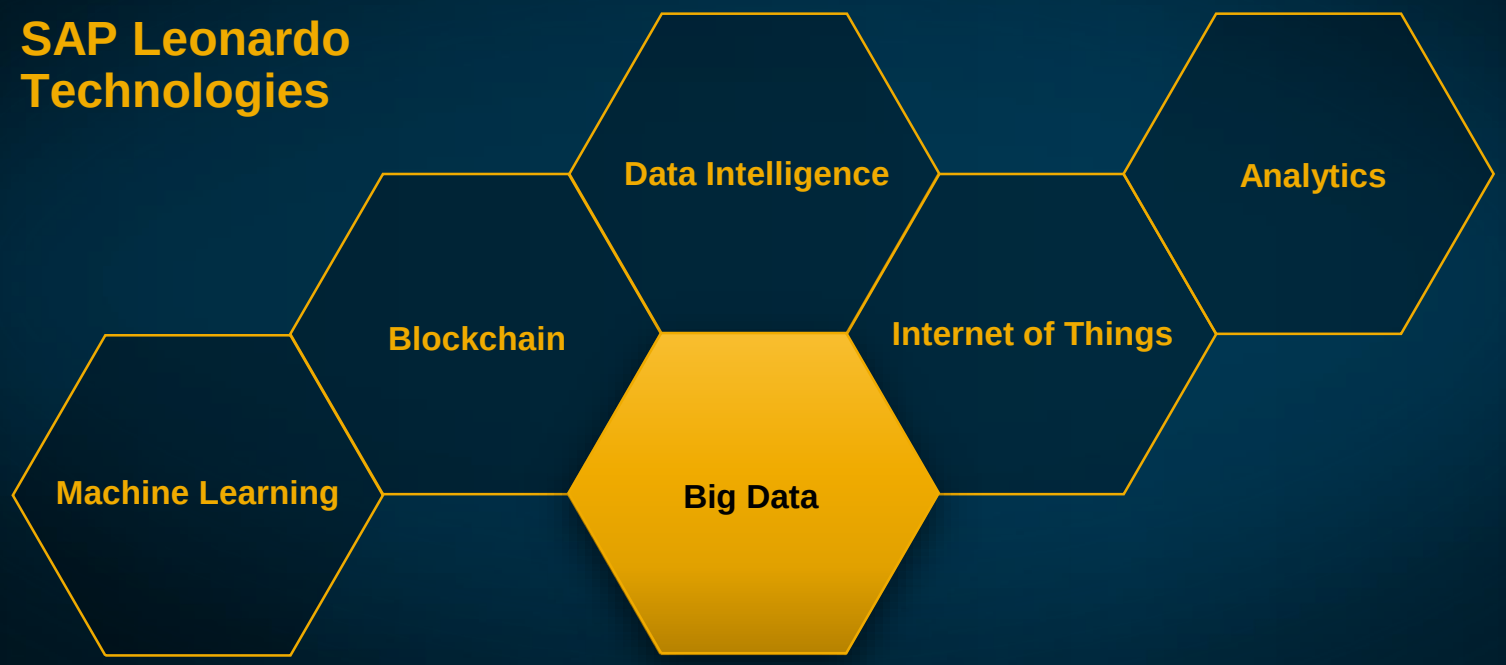
Conversational UI

- Conversation AI Framework
- SAP CoPilot

Services

- Document Feature Extraction
- Image Feature Extraction
- Time Series Change point Detection
- Time Series Forecast Translation
- Image Classification

SAP Leonardo



Big Data

Data Hub

- Manage, scale & govern the entire data landscape
- Create pipelines to connect systems & data stores
- Hybrid solution for both on-premise & cloud

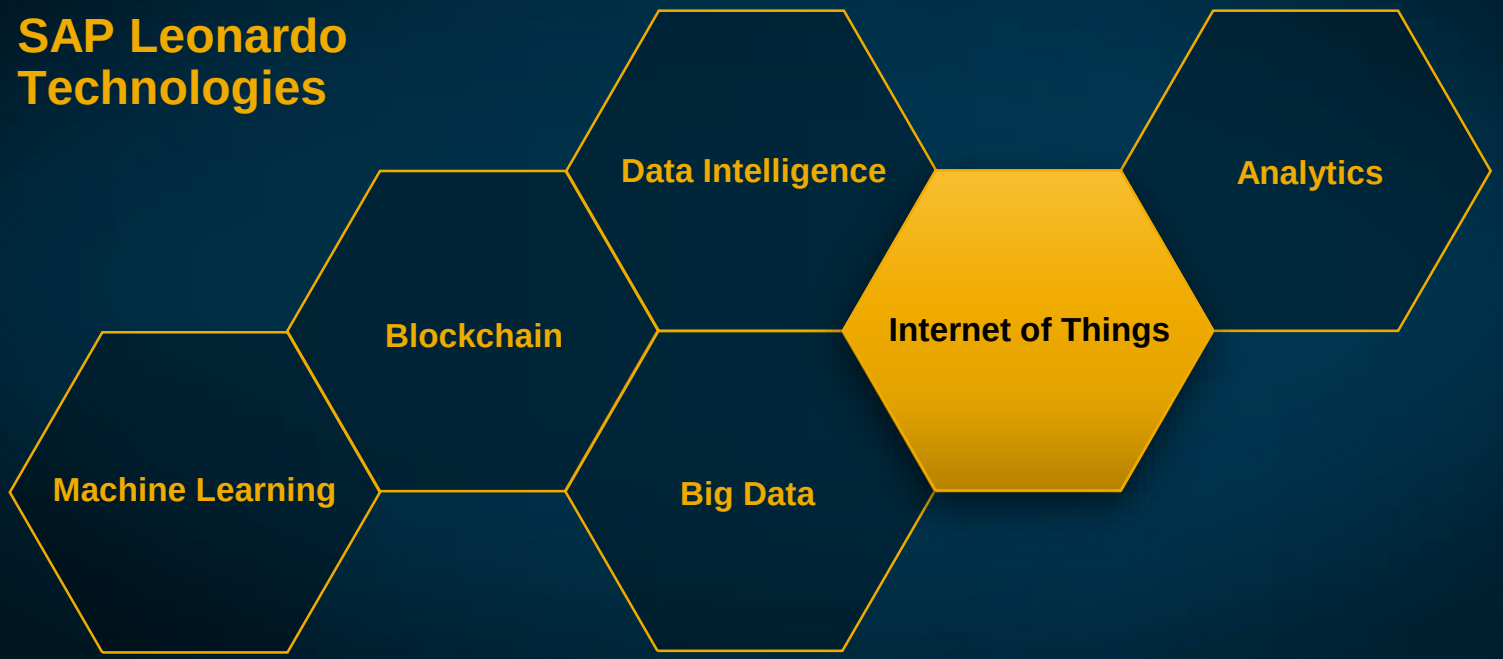
Open

hadoop · Apache Spark · openstack · amazon web services · amazon web services S3 · Microsoft Azure · Google Cloud Platform

Scalable

kubernetes

SAP Leonardo



Internet of Things

SAP Leonardo Bridge

- Integrated & extendable suite
- Real-time view of connected things
- Built on business processes

IoT Applications

Connected Products

Connected Machines

Connected Fleet

Connected Infrastructure

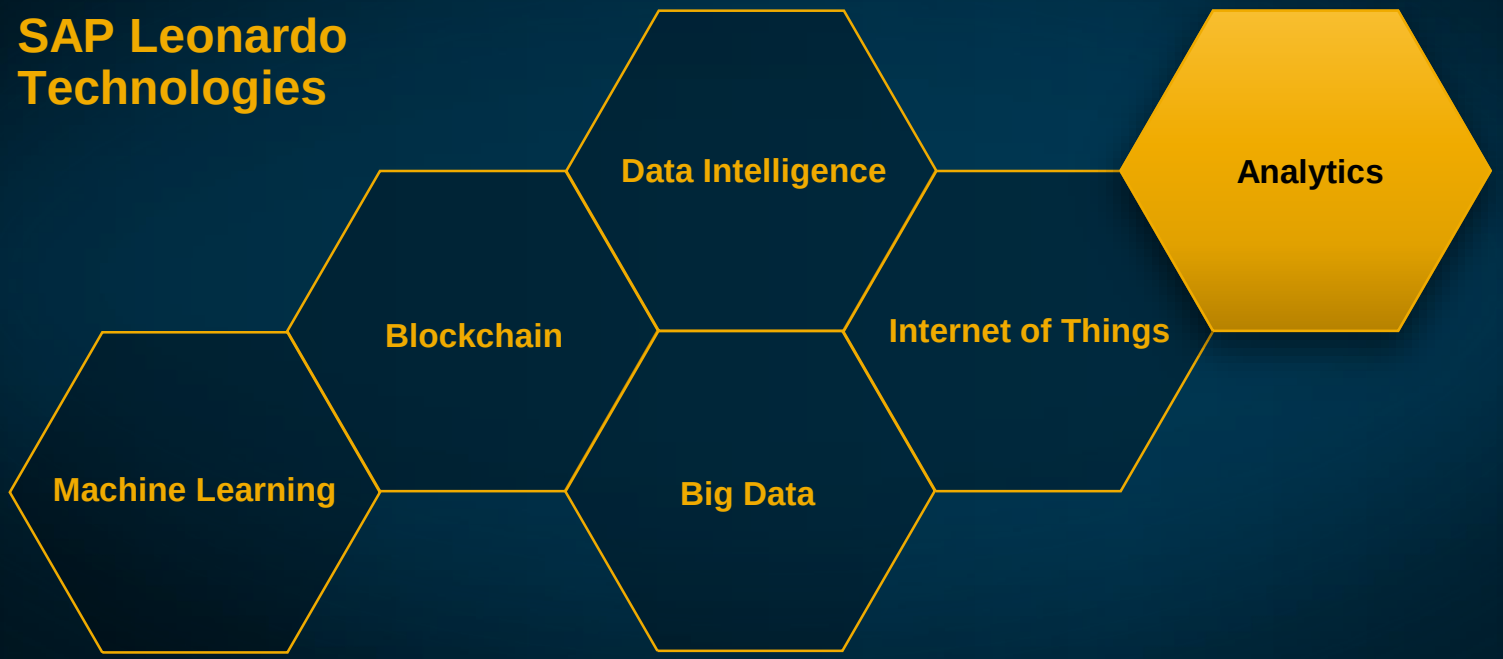
Connected Markets

Connected People

IoT Services

- Edge Services
- App Enablement
- Thing management

SAP Leonardo



Analytics

Comprehensive

Business Intelligence

Planning

Predictive

- Real time view of entire business
- Enable transformation by to connecting to various data sources

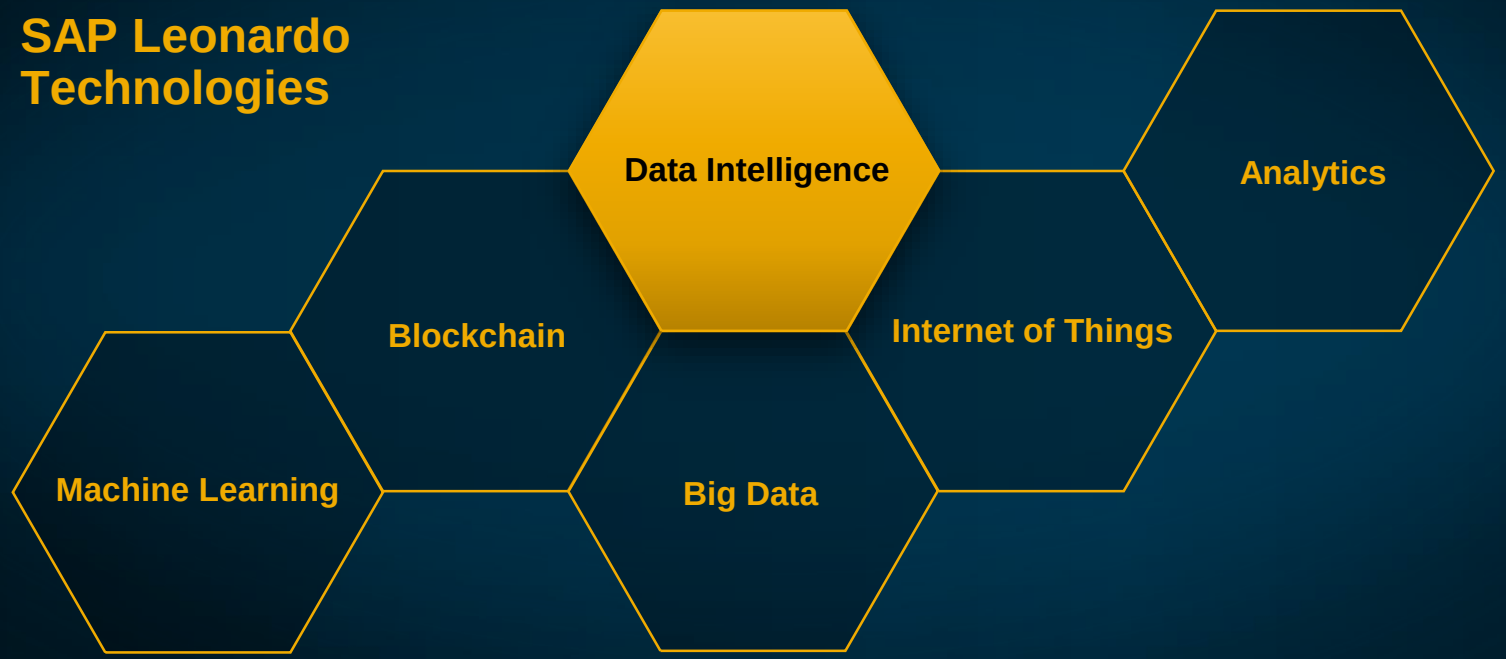
Portfolio

- SAP Analytics Cloud
- SAP Predictive Analytics
- Digital Boardroom

Predictive

- Enable citizen data scientists
- Robust set of tools for a variety of use cases

SAP Leonardo



Data Intelligence

Live Insights

- Powered by machine learning
- Turn transactions from SAP cloud solutions into actionable insights

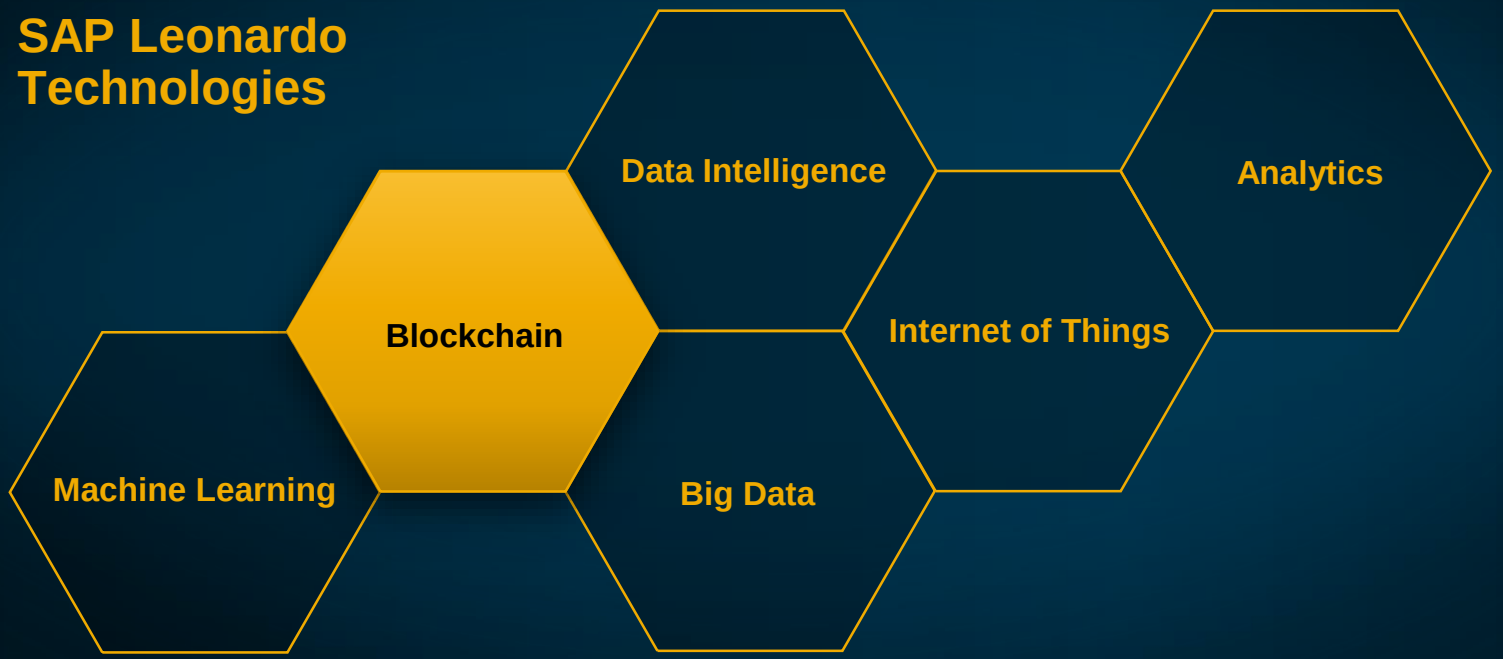
Live Customer Cloud

- Cloud data monetization platform
- Create the ecosystem, connect the data & extract the insights
- Anonymization and distribution services

Data Services

- Standardized data sets
- Processing services
- Industry & LoB data services

SAP Leonardo



Blockchain

Ecosystem

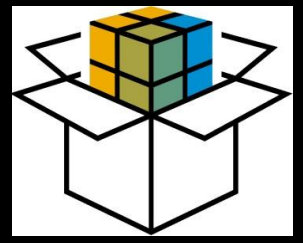
HYPERLEDGER

- Integrate into existing blockchain ecosystems
- Out-of-the box platform support and predefined extensions

Build

- SAP Cloud Platform Blockchain Service
- Value-added & application integration services
- Build blockchain and LoB process extensions for SAP and non-SAP
- Combine distributed ledger functionality with other SAP Leonardo capabilities

SAP Leonardo connects innovations to existing systems



Systems of Record (Business Processes)

- SAP S/4HANA
- SAP Hybris
- SAP SuccessFactors
- Concur
- SAP Fieldglas
- SAP Ariba

System of Intelligence (SAP Leonardo)

- Internet of Things (IoT)
- Machine Learning
- Analytics
- Big Data
- Blockchain
- Data Intelligence

Design Thinking

SAP Leonardo makes SAP applications MORE intelligent.

SAP Leonardo delivers capabilities to create and scale NEW intelligent applications.

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Thank you !

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SAP Leonardo

1 Proven Methodology

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

2 Innovative Technologies

3 Industry Accelerators

X7

reddot design award winner 2015

DESIGN AWARD 2015

design for experience awards

German Design Award WINNER

USER EXPERIENCE AWARDS 2015

Appy Awards

INTERACTION AWARDS

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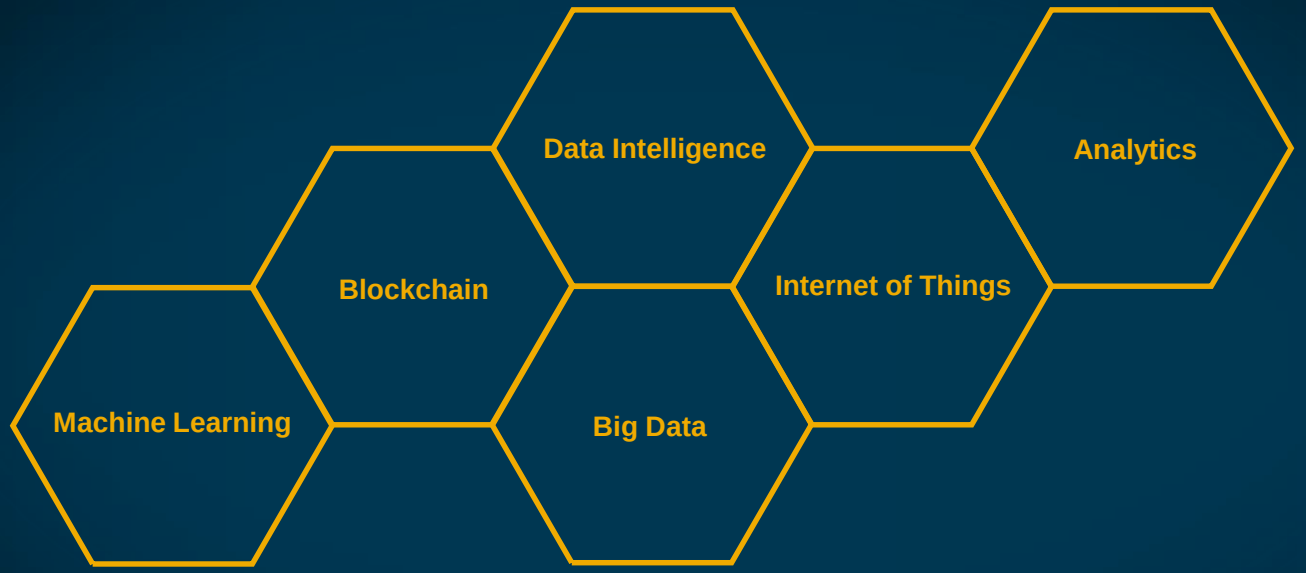
SAP Leonardo

1 Proven Methodology

2 **Innovative Technologies**

3 Industry Accelerators



SAP Cloud Platform	Microservices | Open APIs | Flexible Runtimes | Integration	
SAP Database & Data Management	SAP HANA | SAP Data Hub | SAP Vora | Open Source Storages	AWS S3, SWIFT, Hadoop, …
Multi-Cloud Infrastructure	SAP, Google Cloud Platform, Microsoft Azure, amazon web services	

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SAP Leonardo

1 Proven Methodology

2 Innovative Technologies

3 **Industry Accelerators**

Retail

- Assets
- Logistics

Consumer Products

- Assets
- Logistics

Discrete Manufacturing

- Service & Assets
- Logistics
- Spare Parts

Chemicals

- Service & Assets
- Spare Parts

Travel and Transportation

- Logistics

Utilities

- Service & Assets

Sports & Entertainment

- Venue
- Team silver
- Team gold

Life Sciences

- Assets

Oil & Gas

- Service & Assets

Mining

- Fleet Operations

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