



SAP Leonardo 

SAP Leonardo: connettere cose, processi e persone in modo intelligente

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 **Run Simple**

Major shifts in the economy are accelerating business transformation to a **Digital Supply Chain**

- Customer Engagement
- Local Manufacturing
- Networked Economy



Customer Engagement

Know your customers environment



Customer Lifecycle



Omni-Channel Logistics

Local Manufacturing

Automation, Digital Inventory
and Lot Size of One



Local Replaces
Outsourced



“Things enabled” design,
manufacturing and engineering

Networked Economy

Cross Industry



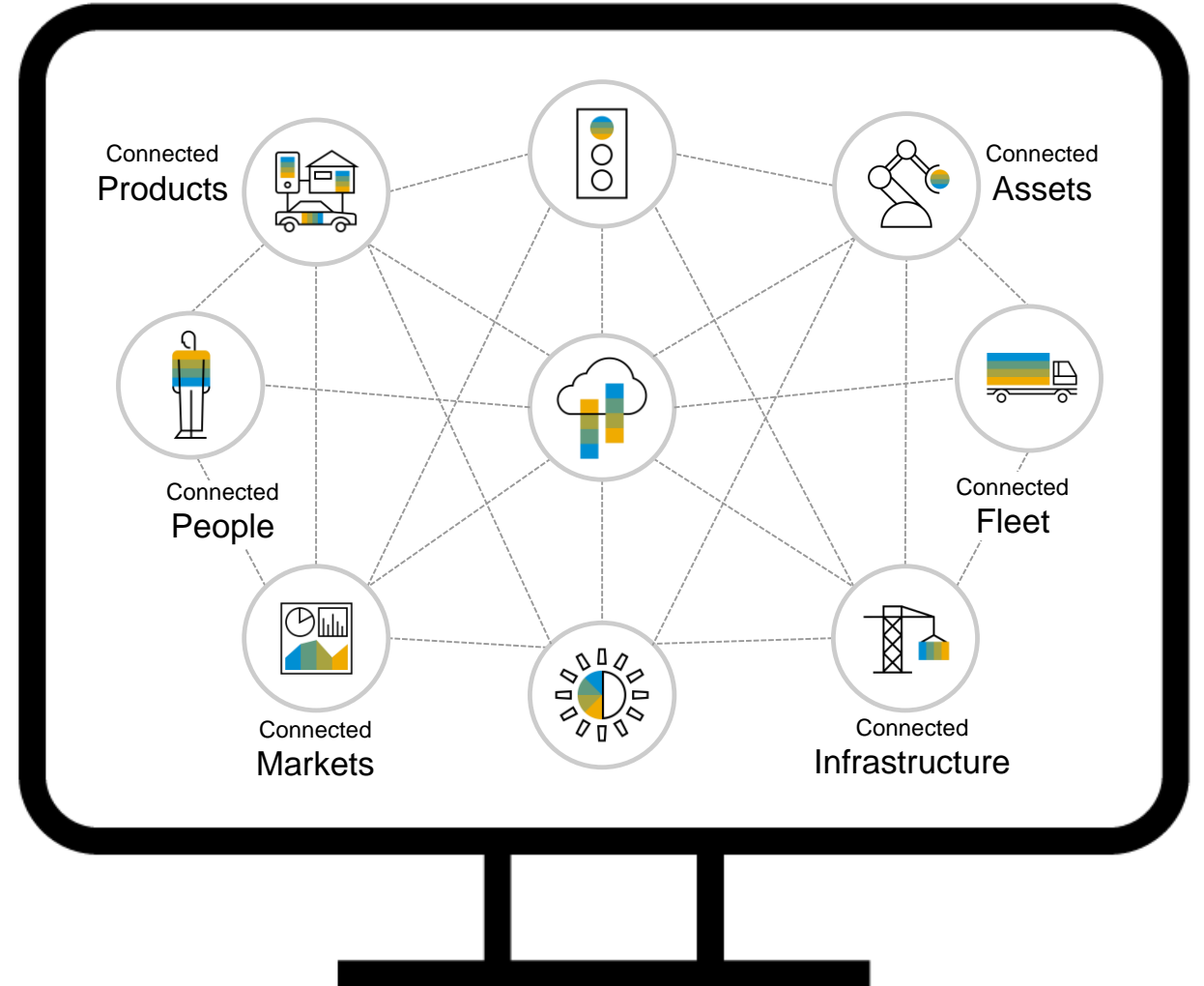
Cross department
Business Networks

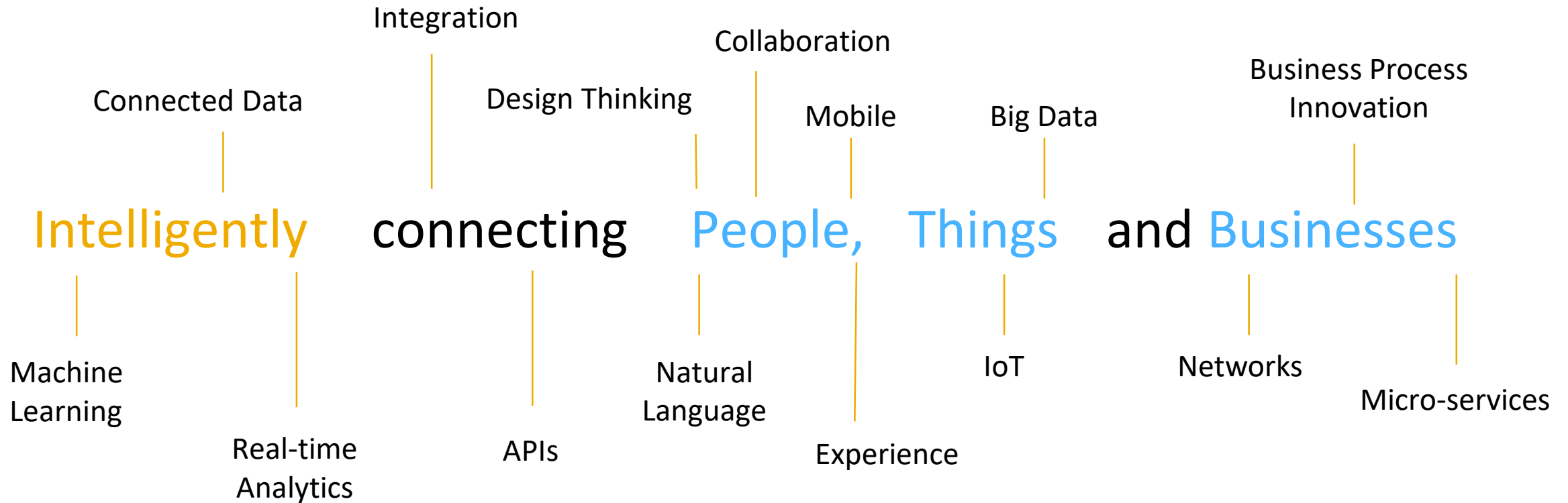
Sustainability and Socially
Responsible Networks

Every Business Process Needs to Be Connected to “Everything”

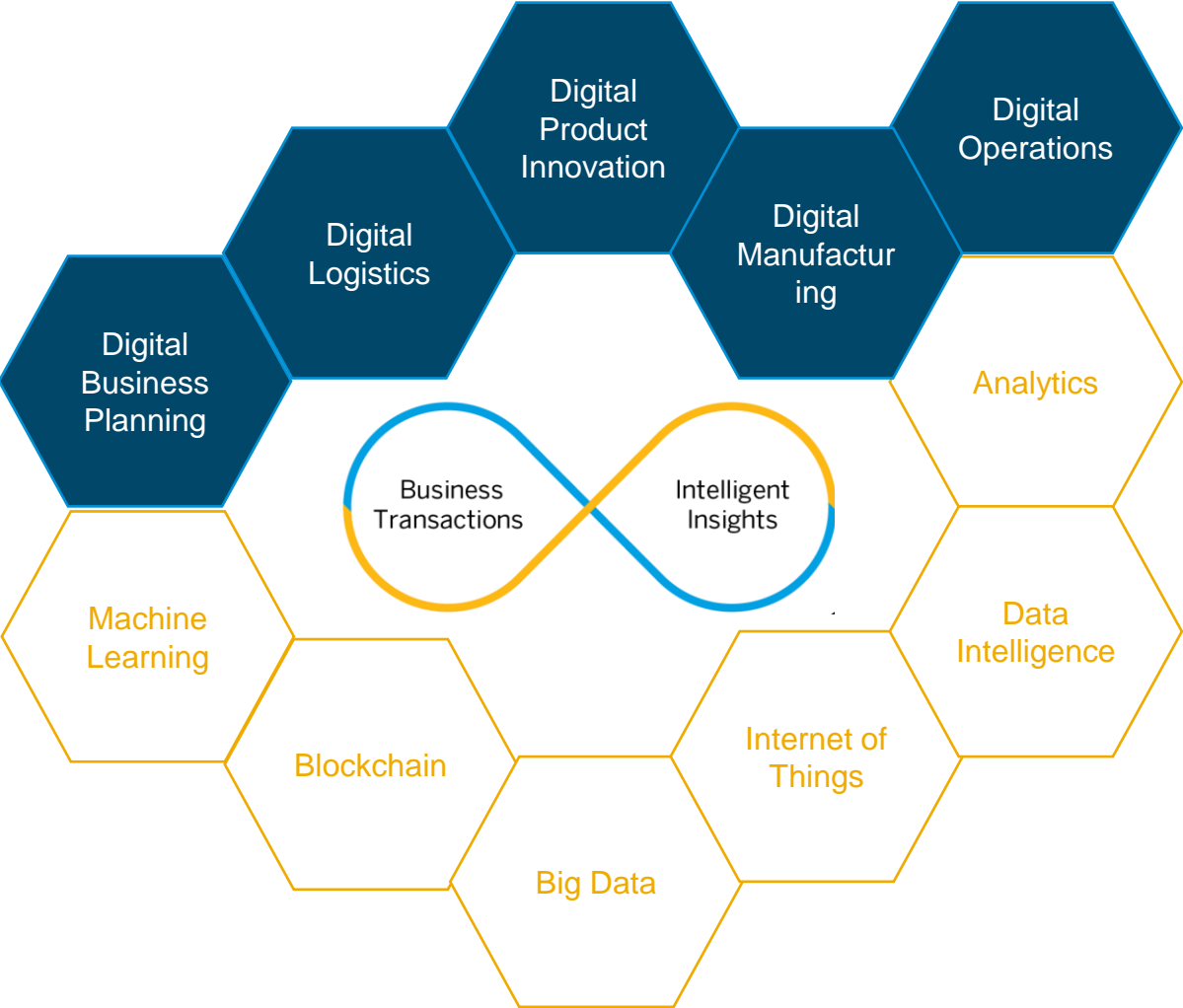
Visibility across the business network of both structured and unstructured data :

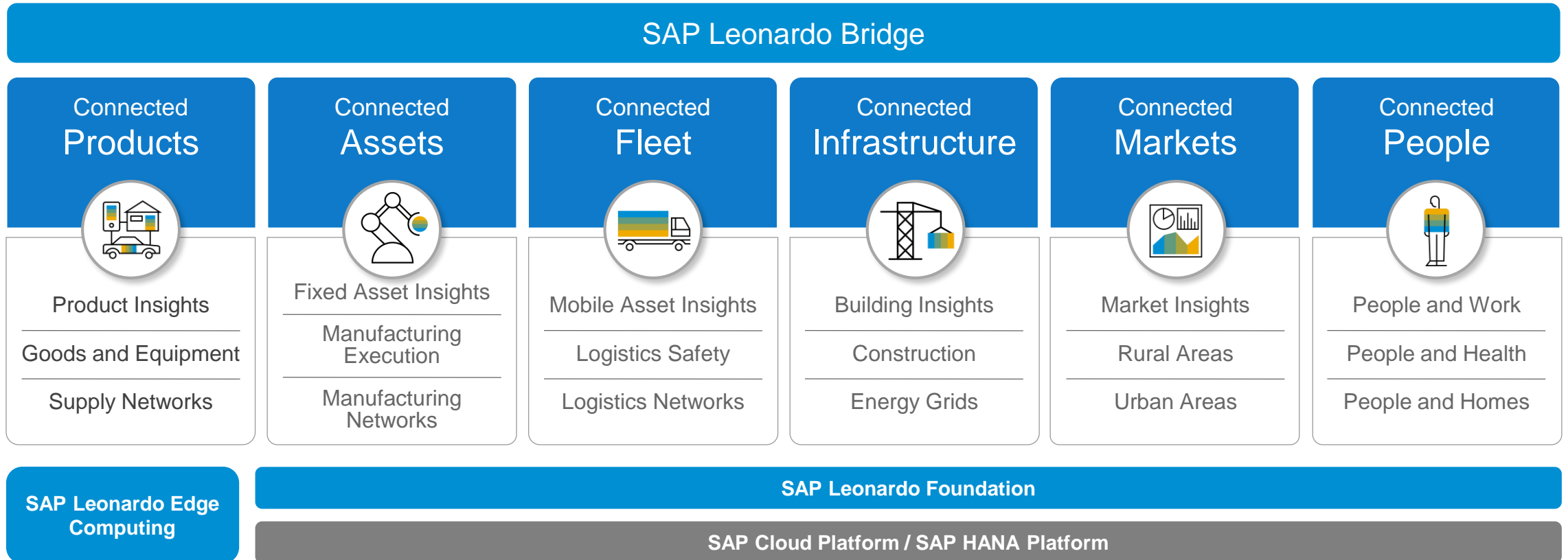
- **Business Systems**
- **IoT Enabled Devices**
- **Sentiment Analysis**
- **Weather Patterns**
- **Traffic Reports**
- **Etc.**





The Digital Supply Chain powered by SAP Leonardo

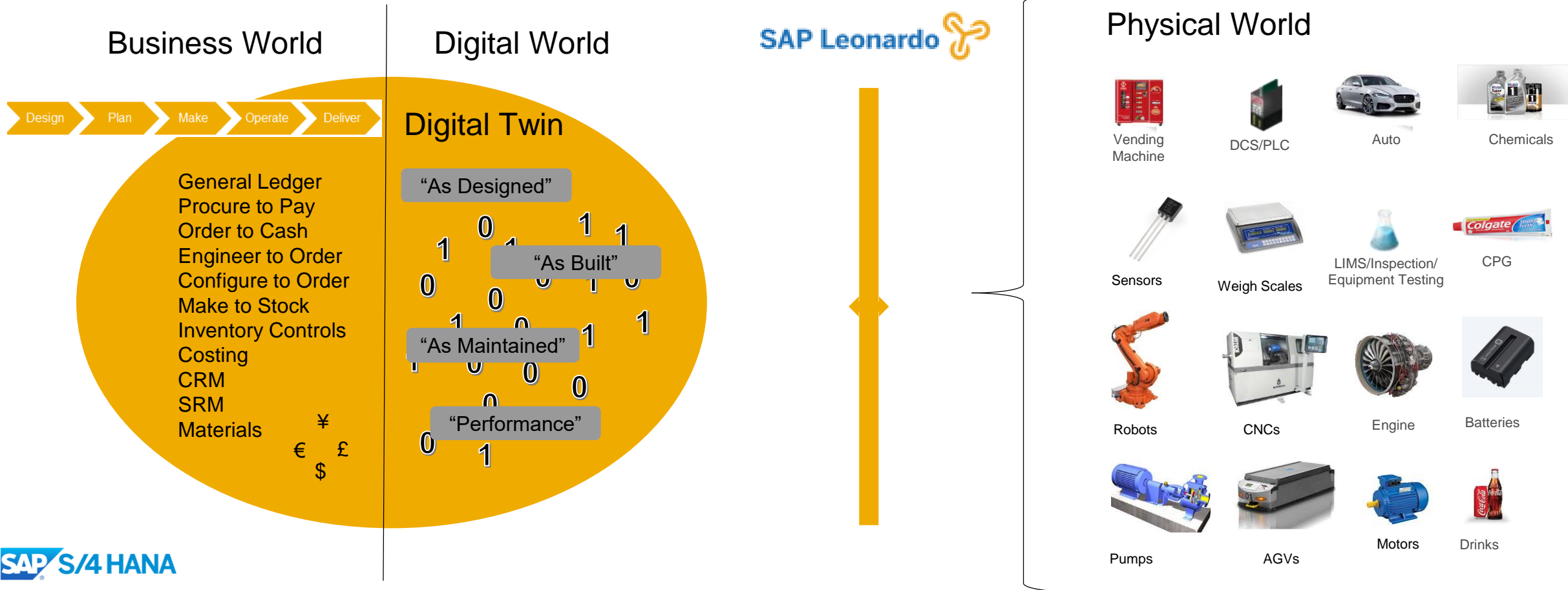






Digital Manufacturing

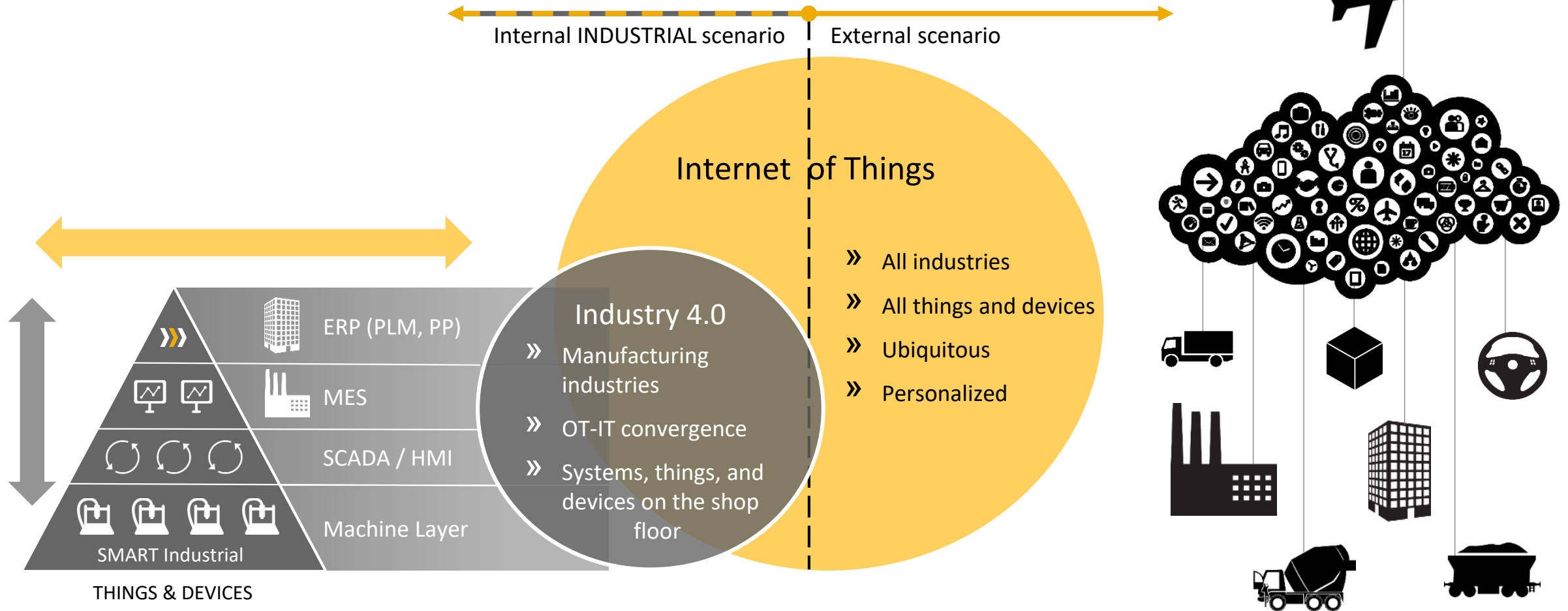
Linking the physical world to the digital world



Trends Impacting Connected Manufacturing

Internet of Things and Industry 4.0

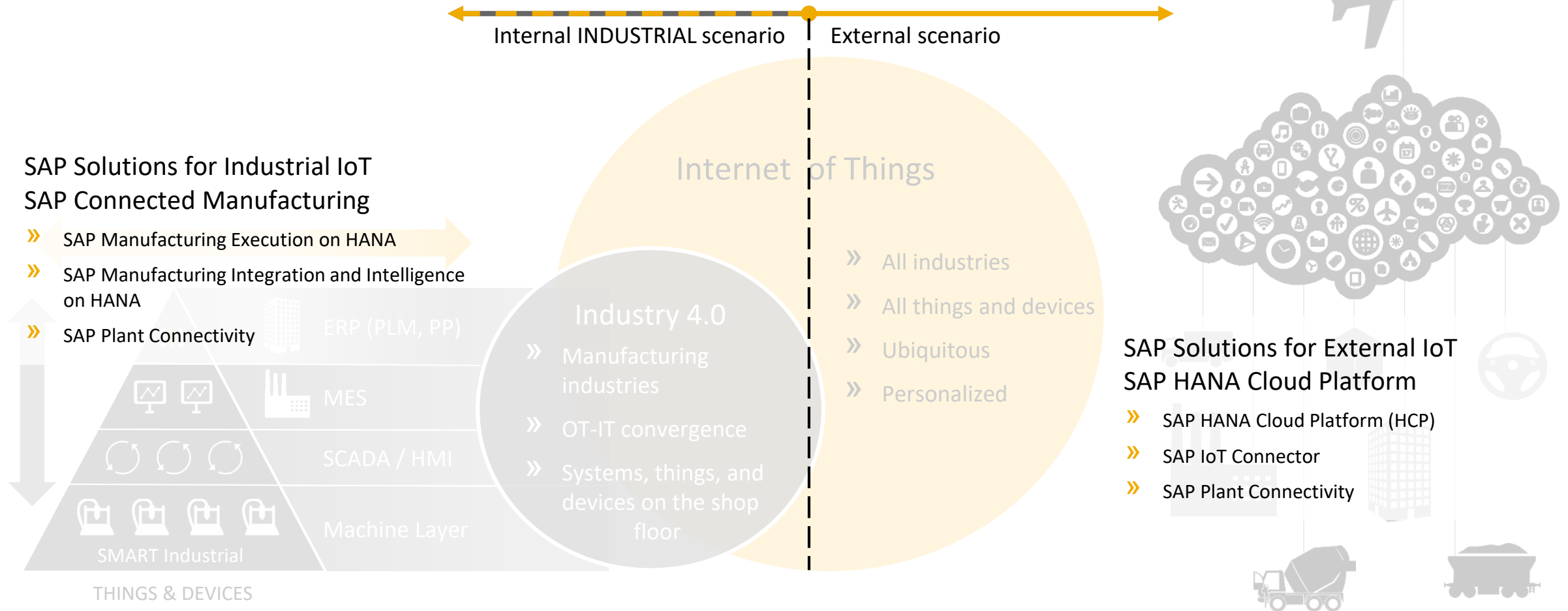
SAP Connected Manufacturing runs industrial IoT with Industry 4.0 scenarios



Trends Impacting Connected Manufacturing

Internet of Things and Industry 4.0

SAP Connected Manufacturing runs industrial IoT with Industry 4.0 scenarios

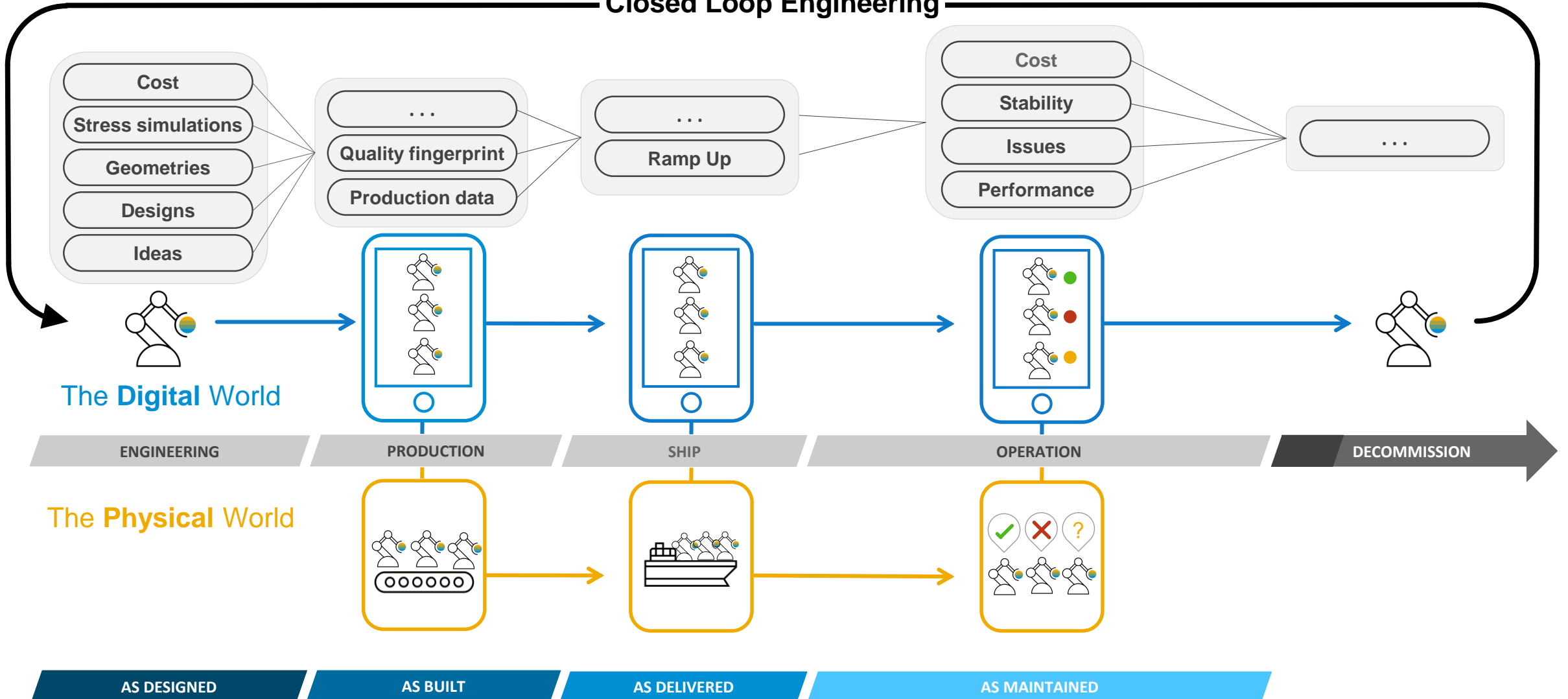




Digital Twin

Digital Product Lifecycle Management with Live Insights

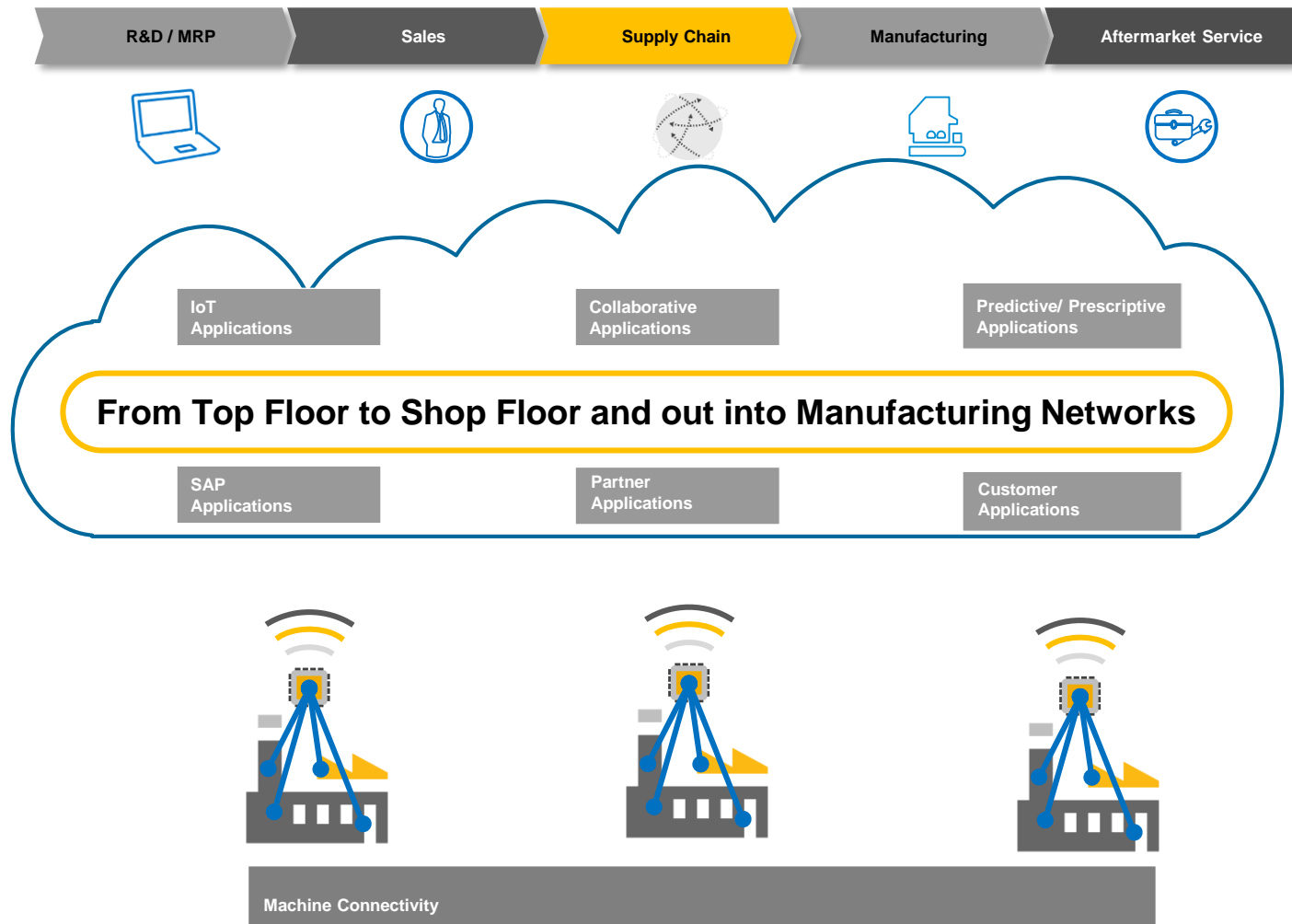
Closed Loop Engineering





SAP Digital Manufacturing

From Internet of Things to Business Outcomes Across the Value Chain



Connected Manufacturing connects the worlds of machines and business via:

- HCP for IoT
- open APIs
- easy connectivity

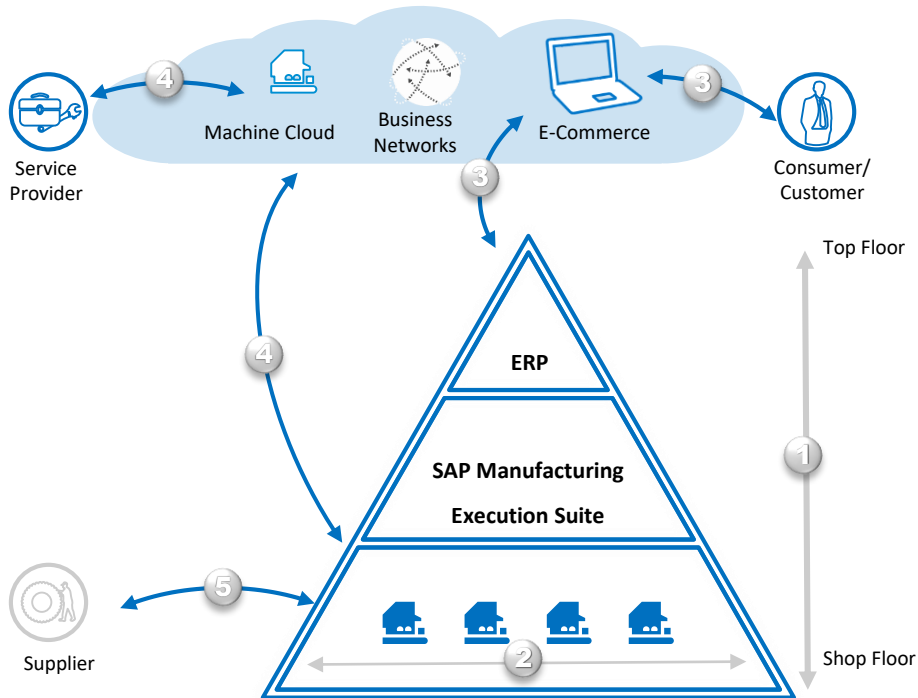
It is an **open platform** of **Industrie 4.0 grade manufacturing solutions**

- Open to non-SAP apps and non-SAP back-ends
- Following the OPC UA Standards
- Enabling a vibrant manufacturing network
- Connecting partners along the supply chain



SAP Digital Manufacturing is Connected

End-to-End Business Process and Business Partner Integration



Seamlessly Integrated Business Processes: Top 5 Scenarios

- 1 Top Floor to Shop Floor**
 - Live **response** in production planning and scheduling for **high flexibility** with last minute demand changes
 - Manufacturing execution & orchestration of the automation layer in **lot size of 1**
- 2 Machine-to-Machine** communication
- 3 E-Commerce integration:** Sales order entry with configuration and personalization for **individualized products**
- 4 Machine Cloud** integration
- 5 Direct replenishment,** Outsourcing

Insight-to-Action based on machine & business data for **high transparency**



SAP Digital Manufacturing Insight

Enterprise Visibility - Digital Twin Strategy

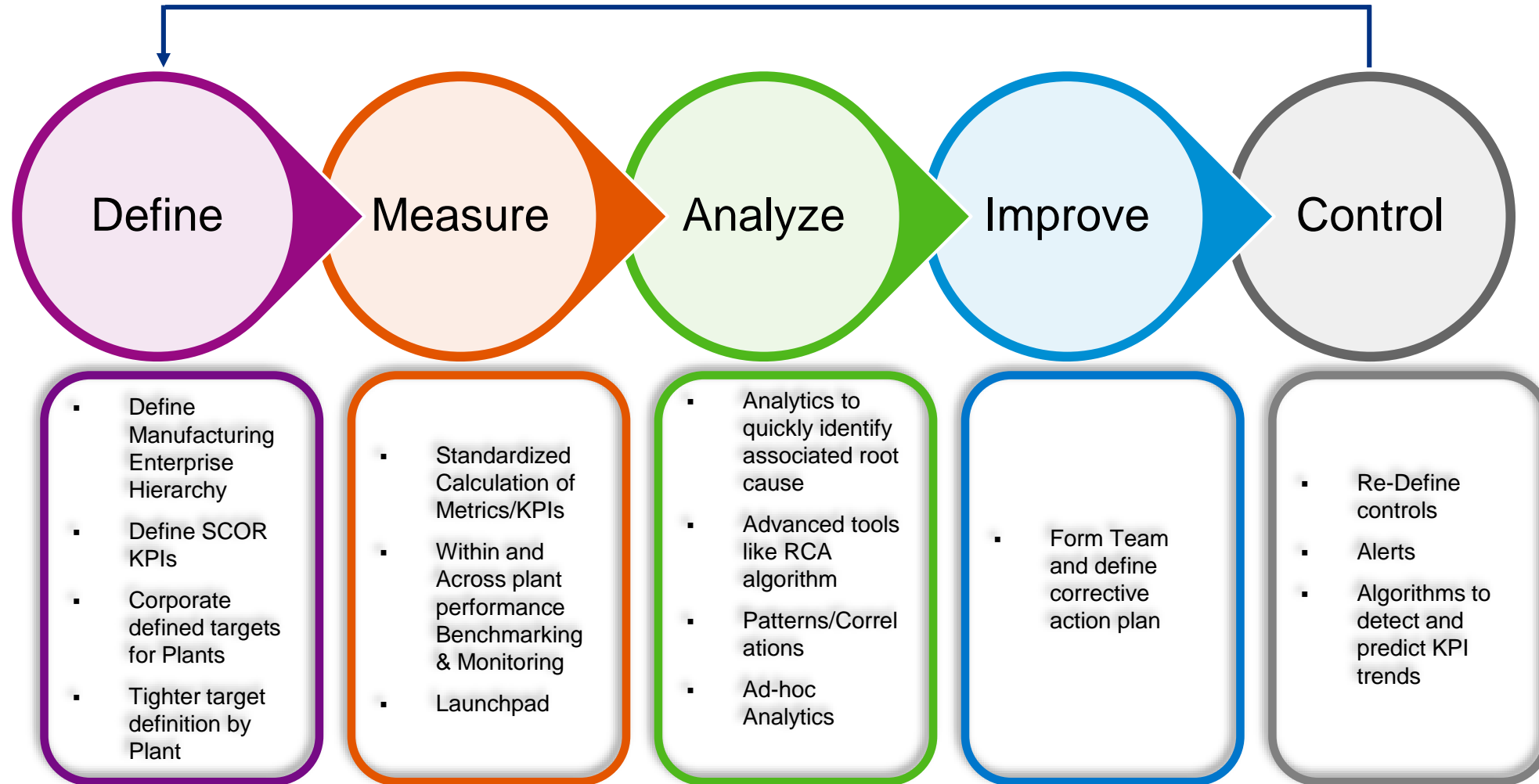


Delivers **predictive insights** to enable decision makers, to initiate **proactive corrective actions** achieving best in class **manufacturing performance**



SAP Digital Manufacturing Insights

Key Principle- Lean six sigma DMAIC Methodology



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