



SIEMENS
Ingenuity for life

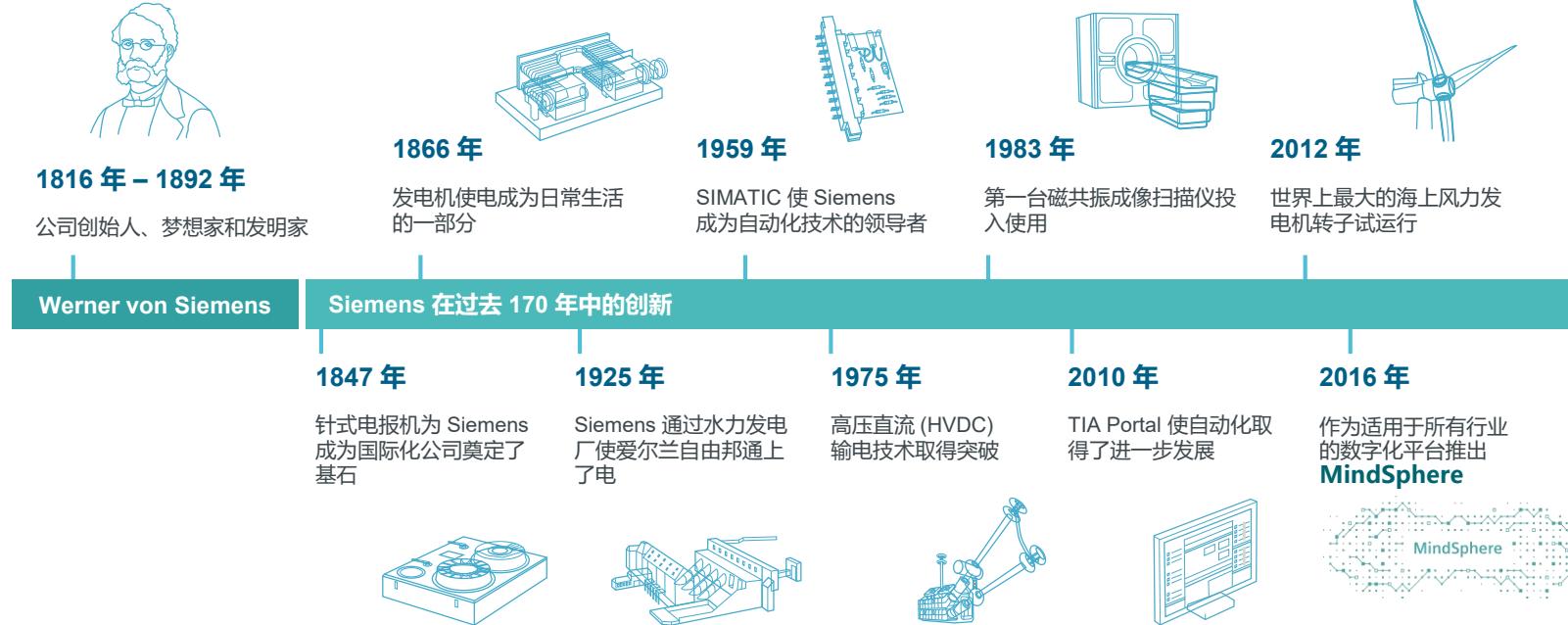
Realize **LIVE**

GREATER CHINA

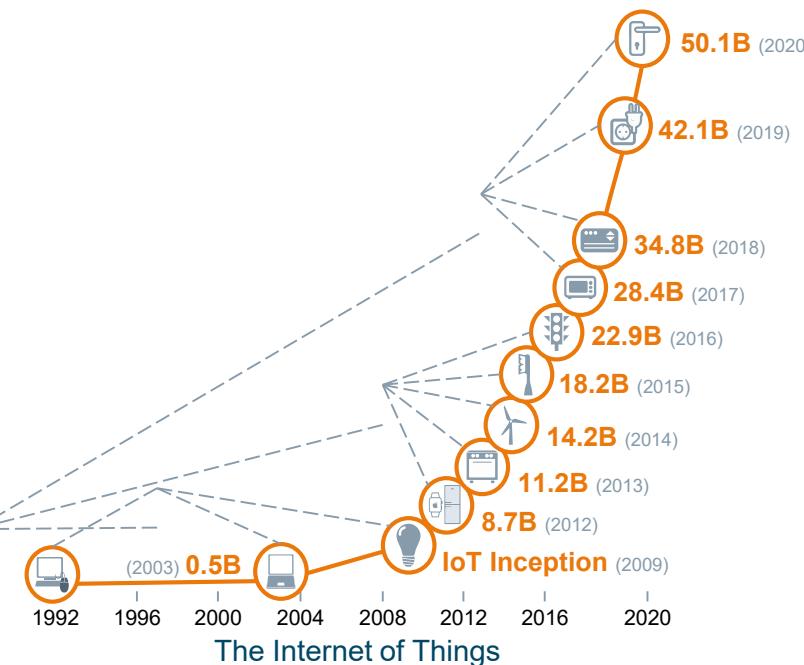
MindSphere工业物联网平台助力军工企业的数字化转型

MindSphere工业物联网操作系统

西门子PLM家族新成员



从数据...
... 到价值

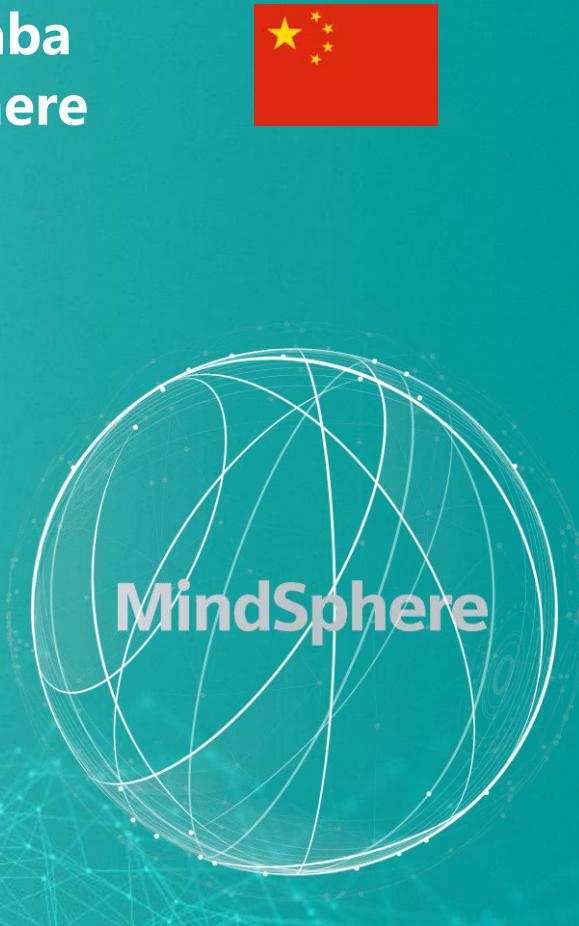


总理见证下的强强合作



MindSphere on Alibaba 基于阿里云的MindSphere

- Announced & MoU signed in July 2018 西门子和阿里云于2018年7月正式签署战略备忘录
- Preview foreseen end of 2018 2018年底完成内测
- Goal to release in the Q2 of year 2019 目标是在2019年第二季度正式公开上线



在德国总理默克尔和中国总理李克强的见证下，西门子全球CEO 凯飒与阿里云总裁胡晓明在柏林正式签署双方的战略合作备忘录。

MindSphere平台公有云版本已经正式在中国落地



(-) 阿里云 | SIEMENS
Ingenuity for life

4月敬请期待

基于阿里云的西门子MindSphere平台商用隆重发布

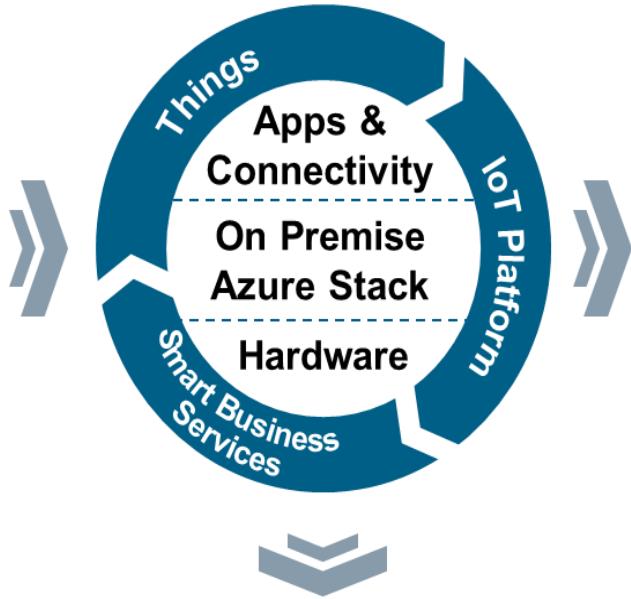
siemens.com.cn/mindsphere



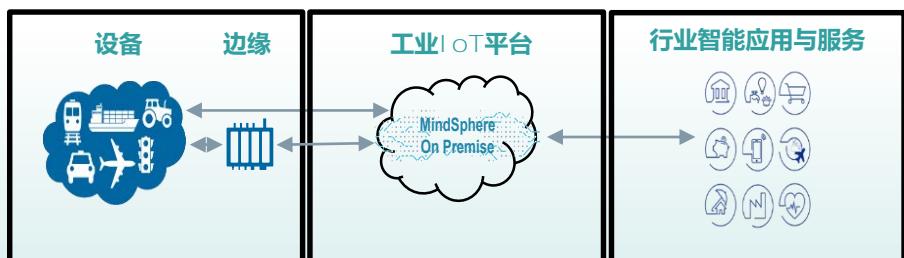
混合云架构兼顾自主可控与敏捷创新



Why On Premise?
• 特定行业
• 法律约束
• 政府政策
• 自主可控



端到端IoT服务管理



MindSphere工业物联网操作系统整体架构



平台核心能力

A 面向开发者的APIs

B IoT 数据模型

C 身份认证及安全管理

D 工业现场的数据连接

E 集成的分析功能

F 工业App市场
(云市场/工业软件旗舰店)

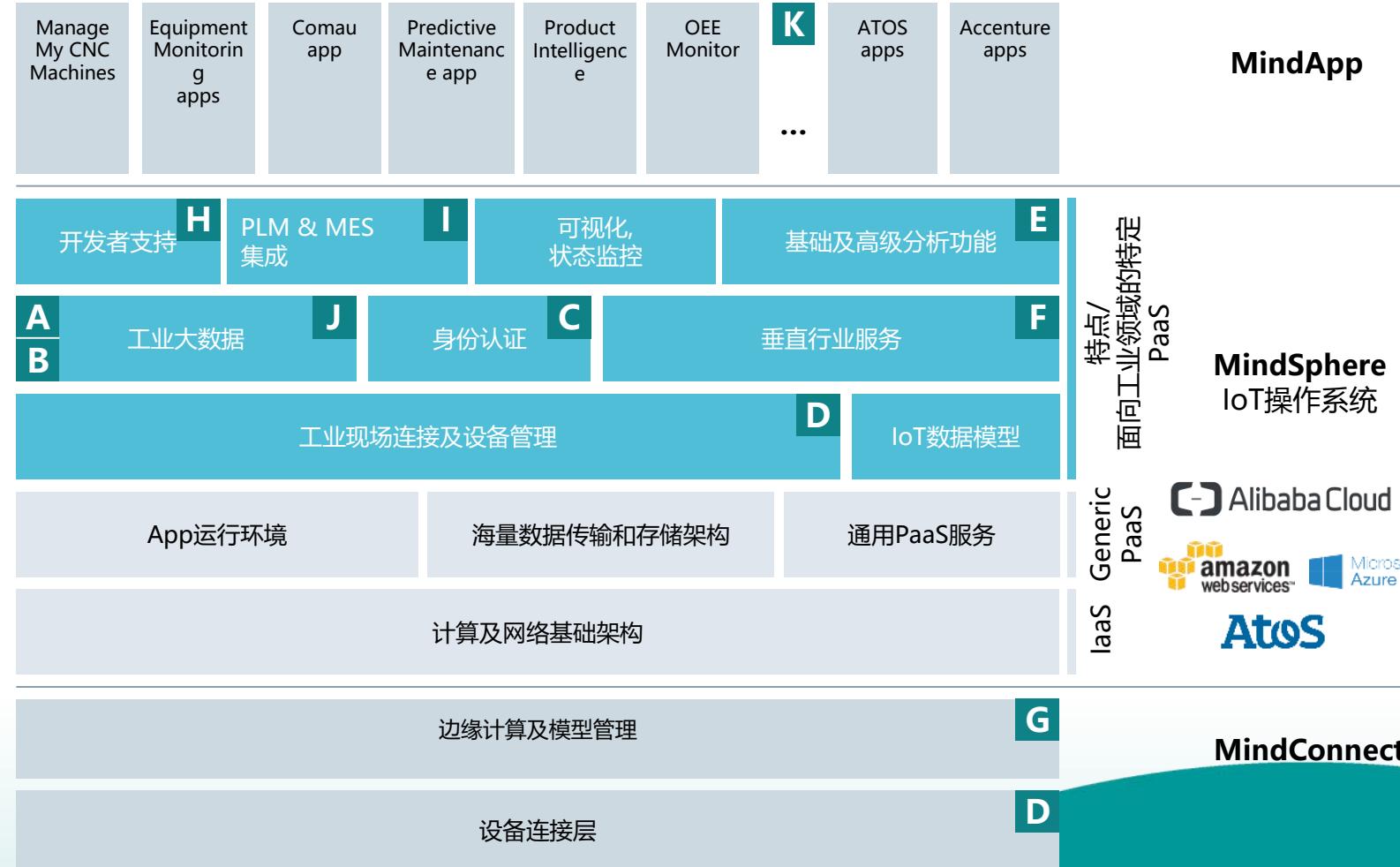
G 边缘计算

H 快速应用开发

I PLM & MES 原生集成

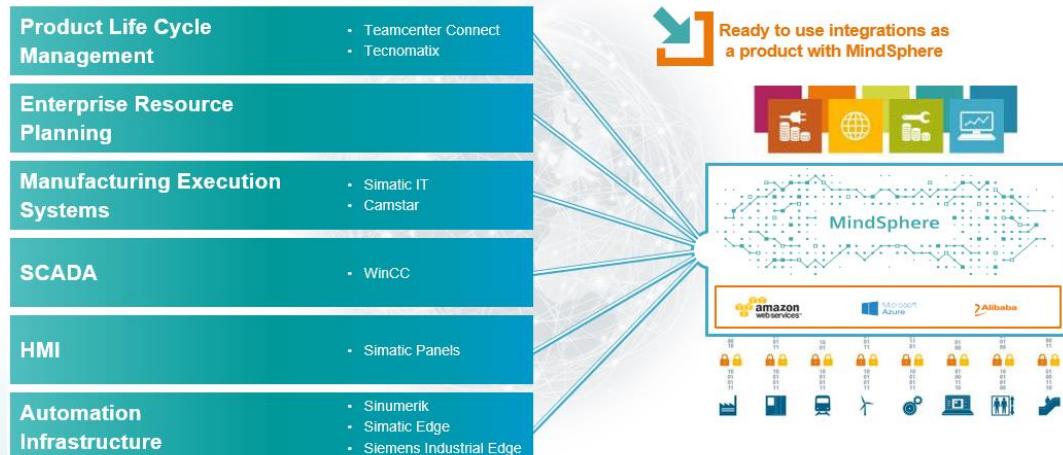
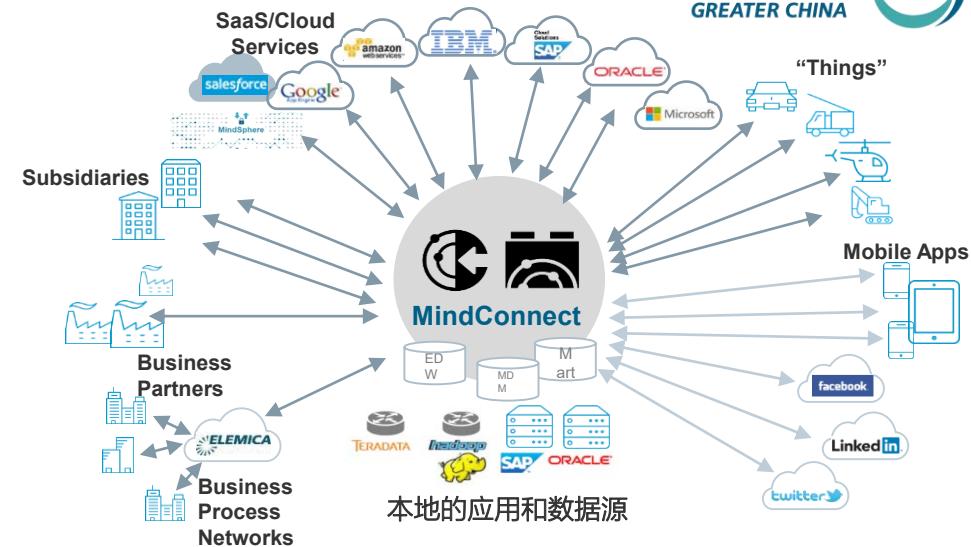
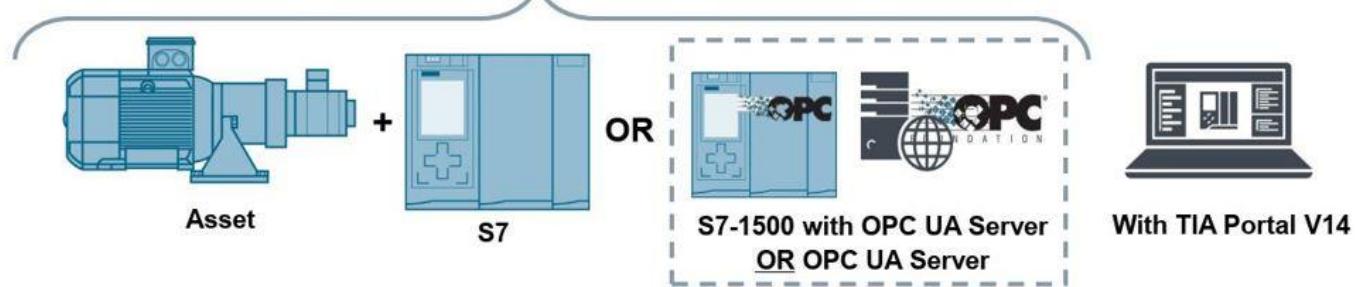
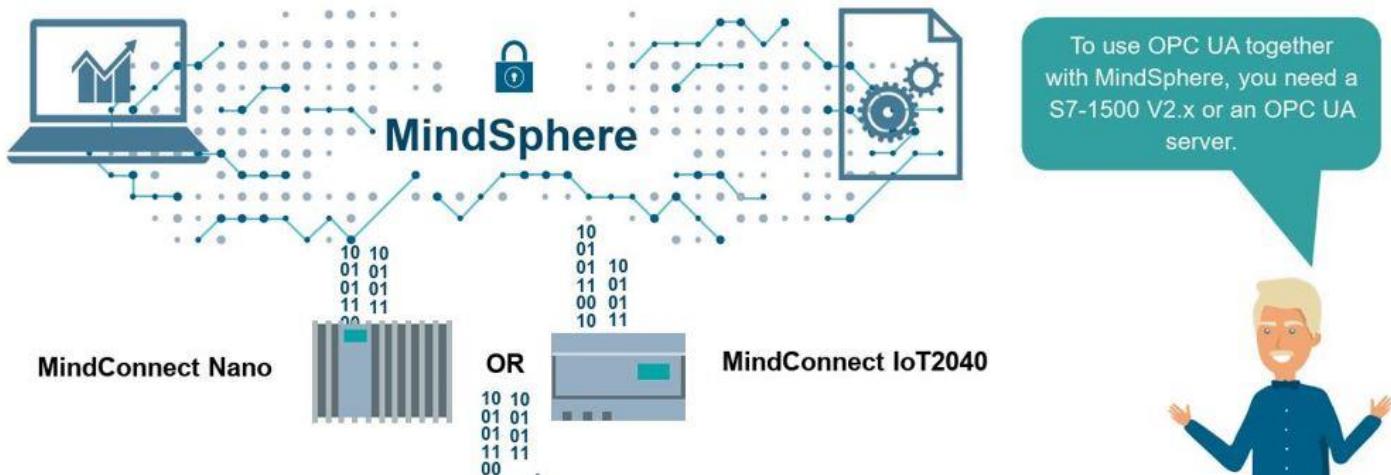
J 工业大数据

K 合作伙伴增值服务及App



富含工业基因的连接方式是您迈向工业互联网价值的基础

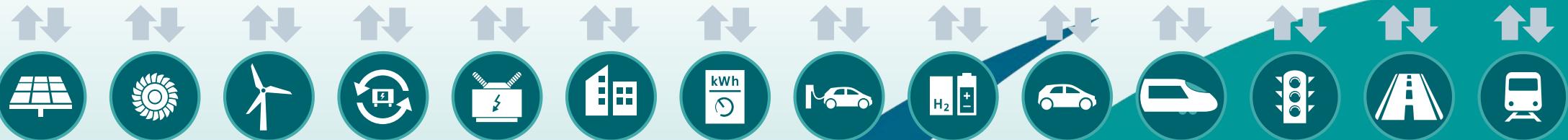
人、流程、设备、环境的全面互联互通



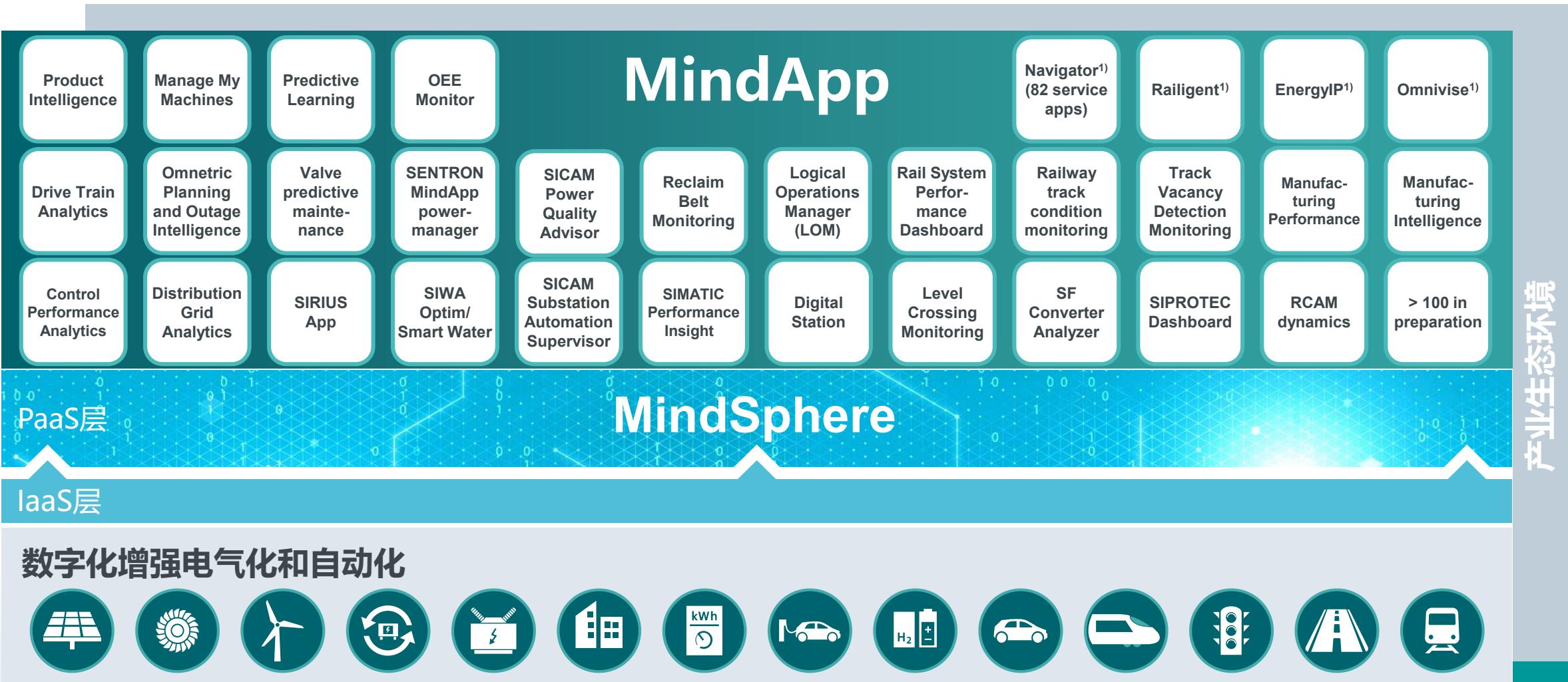
工业PaaS将产品生命周期协同扩充至产业链上下游



APIs经济				PLM集成					Cloud Foundry 应用开发	
MindSphere核心模块				MindSphere应用组件						
 Asset Mgmt.	 Fleet Manager	 Identity & Access Mgmt.	 Usage Transparency	 Visual Flow Creator	 Predictive Learning	 Data Exploration	 Visual Explorer	 Visual Analyzer	 Siemens Apps	 Partner Apps
Model industrial processes using assets, types and aspects. Arrange assets in hierarchy, configure agents and map data	Basic visualization and data management with basic rules and notification services	Manage users and their permissions, add company specific information to the tenant and manage subtenants	Gathers various consumption metrics and application metrics from MindSphere	Node-Red based visual data processing and workflow programming tool for IoT devices. Automate flows to filter data and initiate actions.	Combines analytics, statistics, and machine learning algorithms for use on IoT, service, field, and other data to provide insights.	Connect MindSphere data to your own local Tableau Desktop (Professional Edition licence required).	Explore MindSphere data in the web based on Tableau. Create reports and dashboards without a Tableau license	Easy-to-use basic analytics application of time series data and assists you to gain deeper insights into your production system and how machines are performing.	MindSphere offers a managed open Platform-as-a-Service powered by Cloud Foundry for developing cross-platform applications and lowering development efforts. The application marketplace allows developers to promote their industry focused applications, and end-users to subscribe to applications that are either from Siemens or MindSphere partners.	



贯穿产业链的数字化App是智能创新的关键



数字双胞胎，促进持续优化的敏捷系统工程

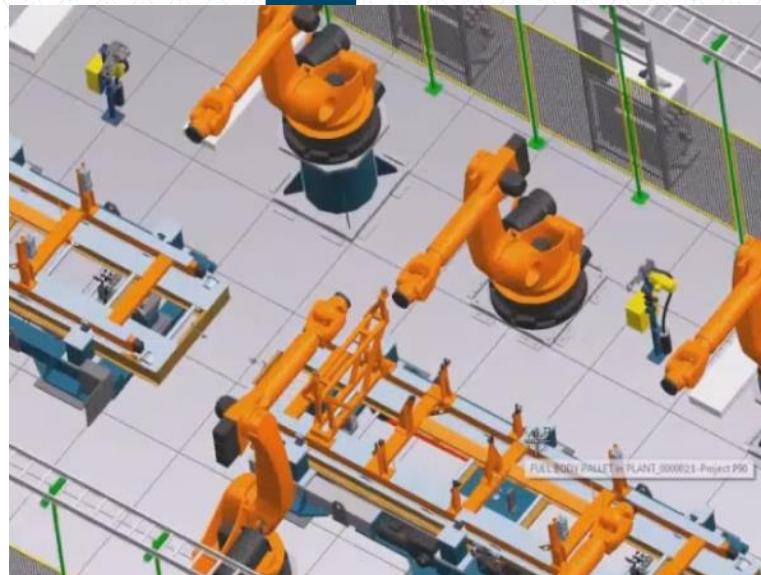


MindSphere

通过现场（制造、试制、试验）数据持续反馈，不断优化产品和生产



产品数字双胞胎



生产数字双胞胎



运营数字双胞胎

协作平台: Teamcenter

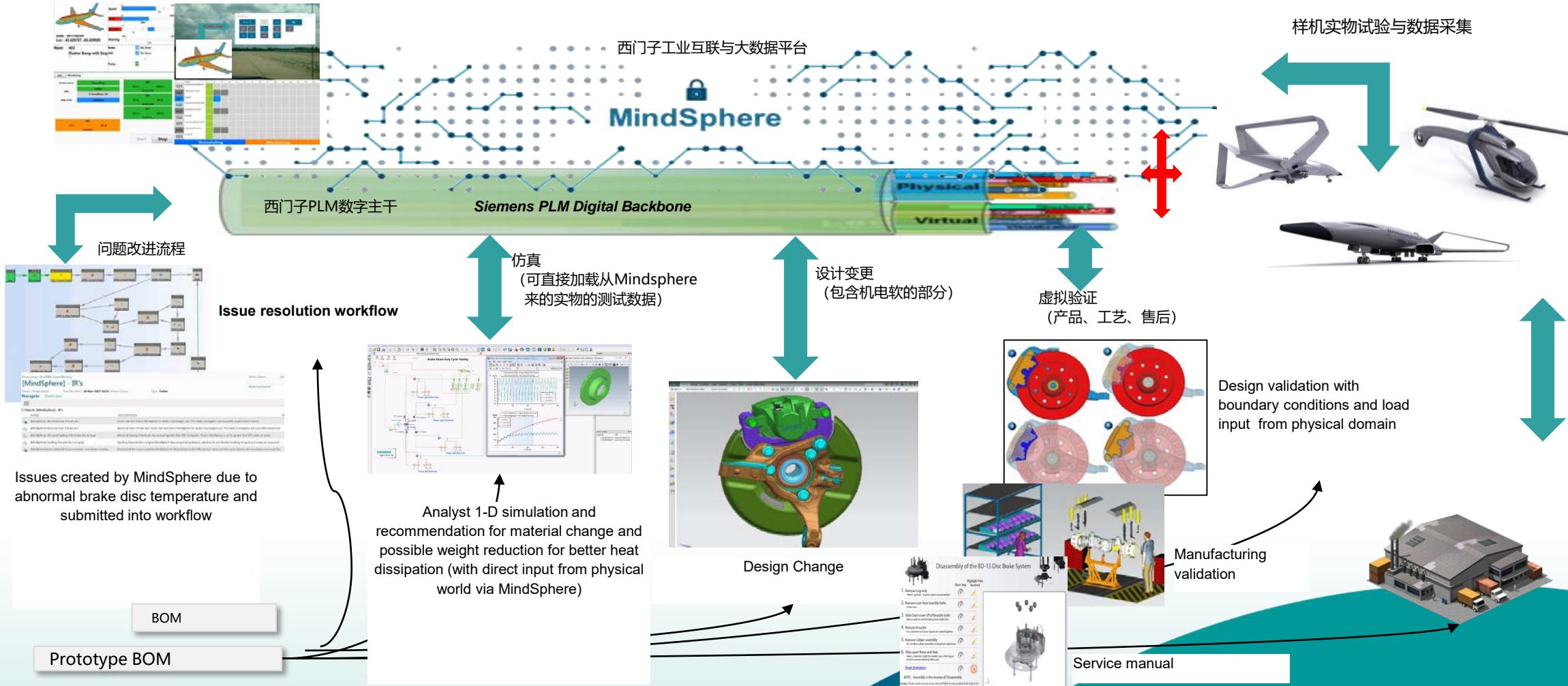
供应商和物流

基于产品数字双胞胎的系统工程设计与研发



样机实验数字双胞胎闭环

Mind App (样机测试数据监控与分析)



Fleet Manager

MindSphere

RPiDemoAsset

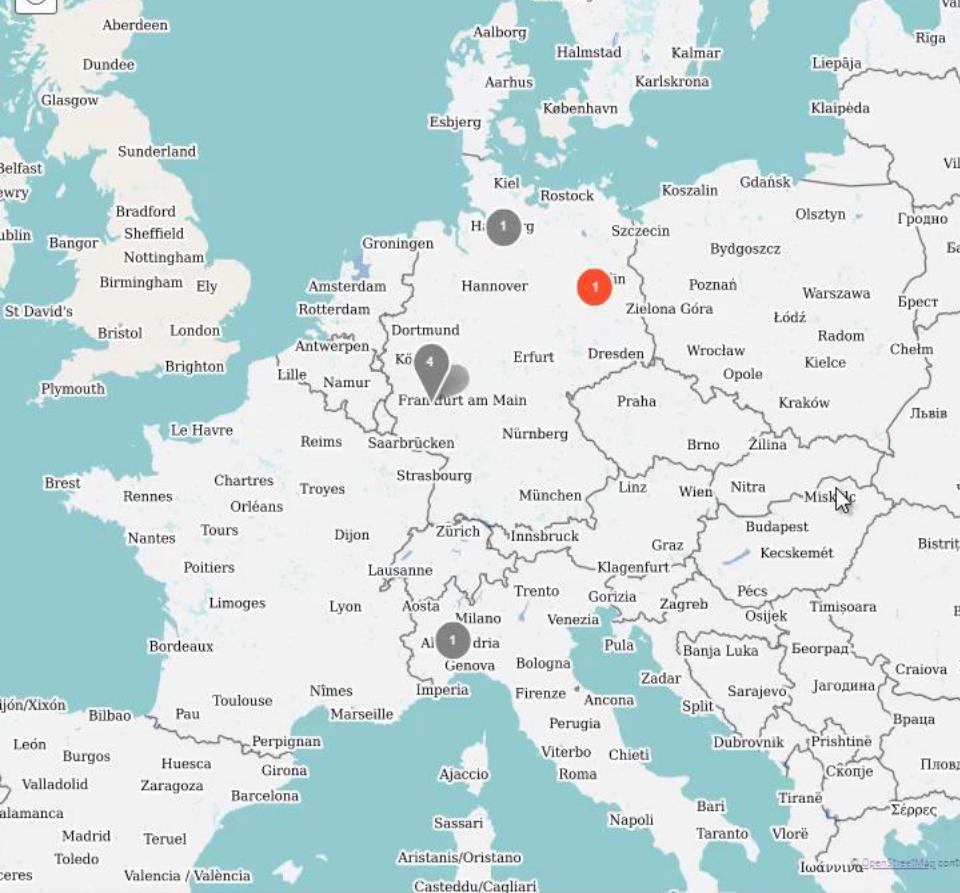
37 / 37



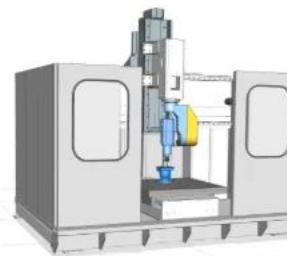
Info x Aspects x Rules x Events x +



Suchen



RPiDemoAsset

ID
Typ
Basistyp
Beschreibung2e4fc09d131b468e8f1910d0df9e41fb
demo.RPiAssetStatus
core.basicagent

MindConnect Info

Verbindungsstatus online[Diagnose aktivieren](#)

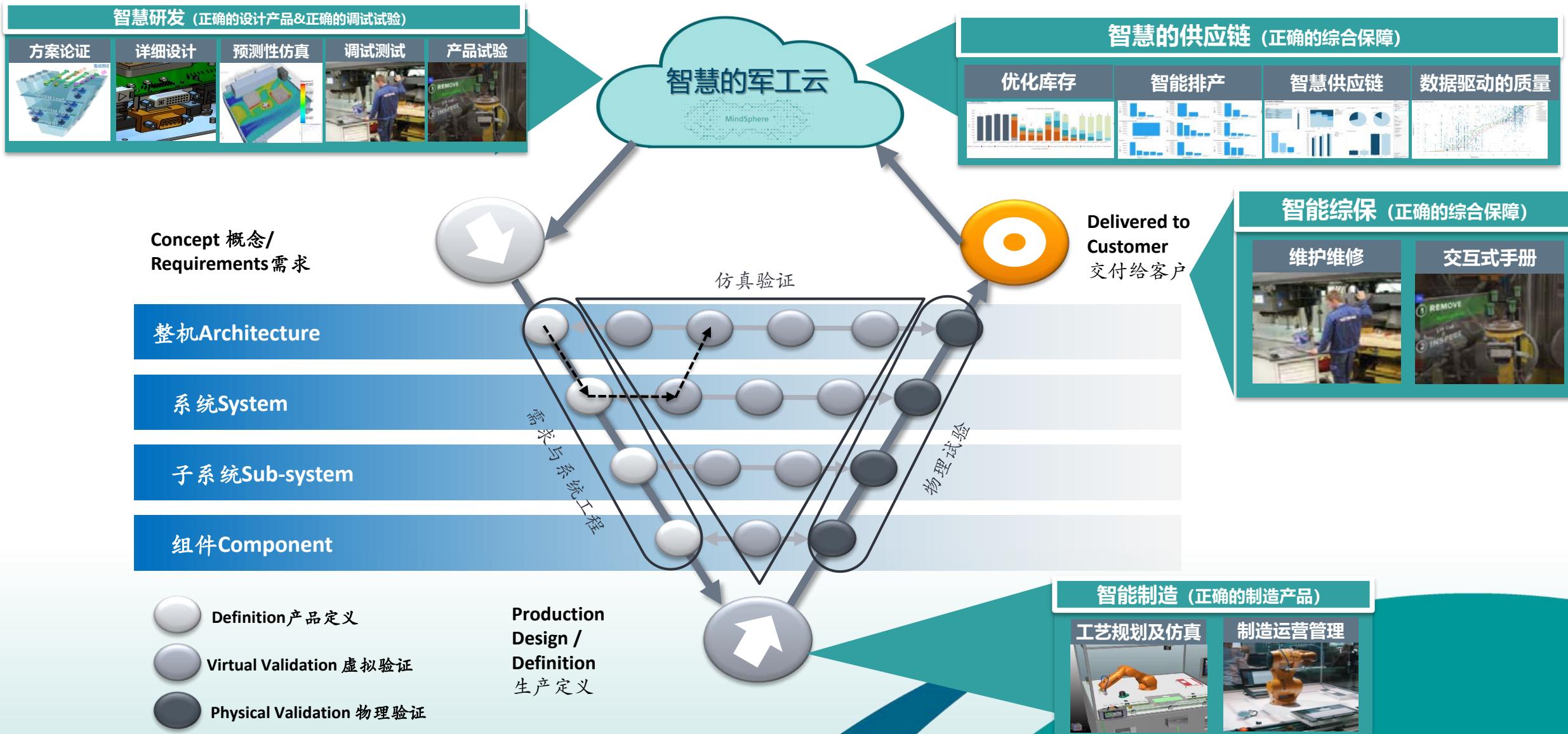
Asset Health

Aktiver Status Dieser Asset Typ wird nicht unterstütztHistorischer Status Dieser Asset Typ wird nicht unterstützt

Standort des Assets



IoT, 大数据, 云计算驱动的智慧院所





Mendix是一个领先的[低代码\(low-code\)](#)平台，可以大规模创建，集成，部署，管理和迭代开发现代业务应用程序。

Gartner高效率平台魔力象限
April 2018



参考客户：



SIEMENS

2018年10月由西门子收购



29个国家，
650多个客户



超过60000个
开发者



80所大学



430位员工

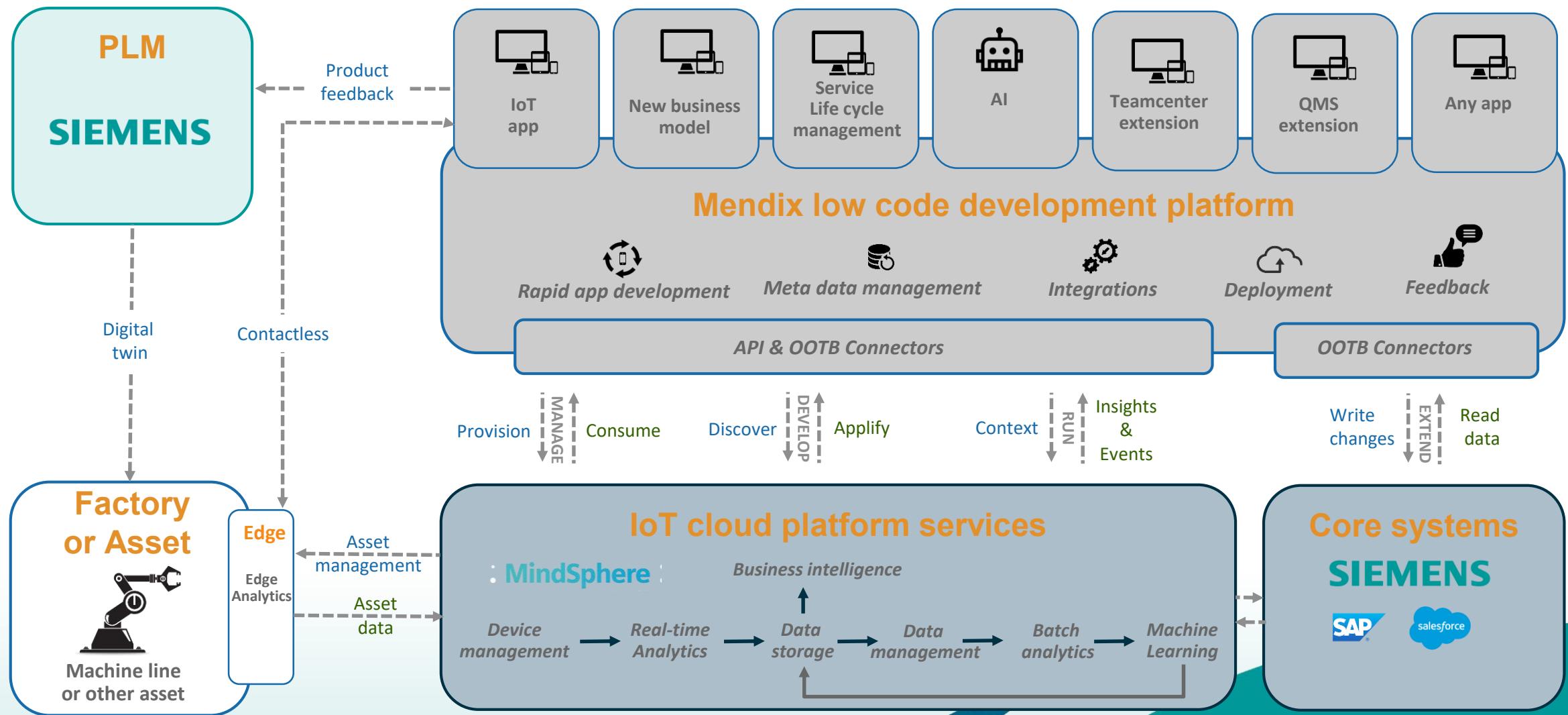


135+合作伙伴



全球战略合作伙伴

Mendix – 数字化转型的敏捷助手



MindSphere：数字化转型成熟度评估

有计划、有目标、有针对性的分阶段实施





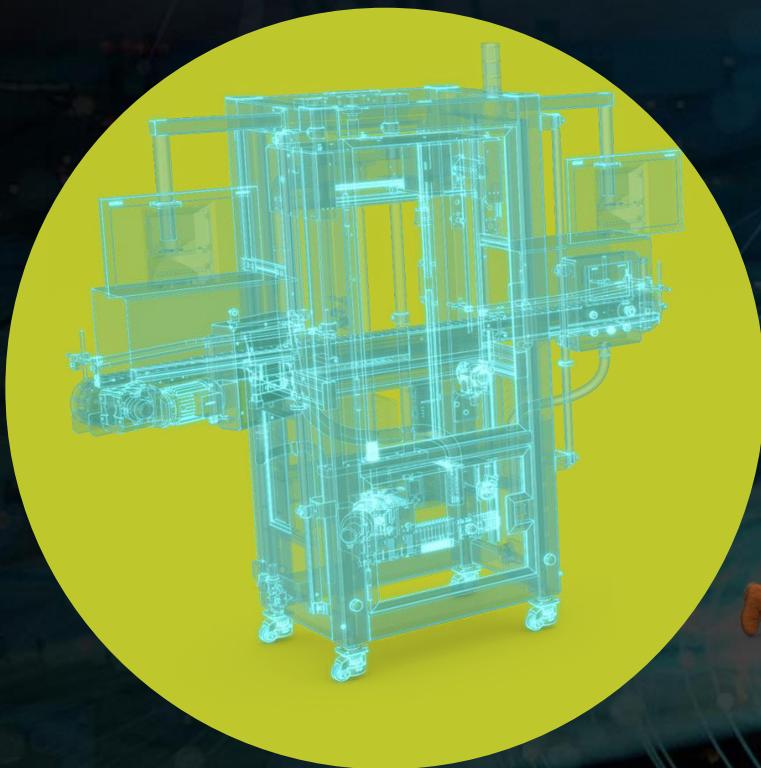
\$2M yearly cost savings,
165% increase in mechanic
productivity, and happier customers

IoT and mobile app provides up-to-date view of
equipment location and inventory status

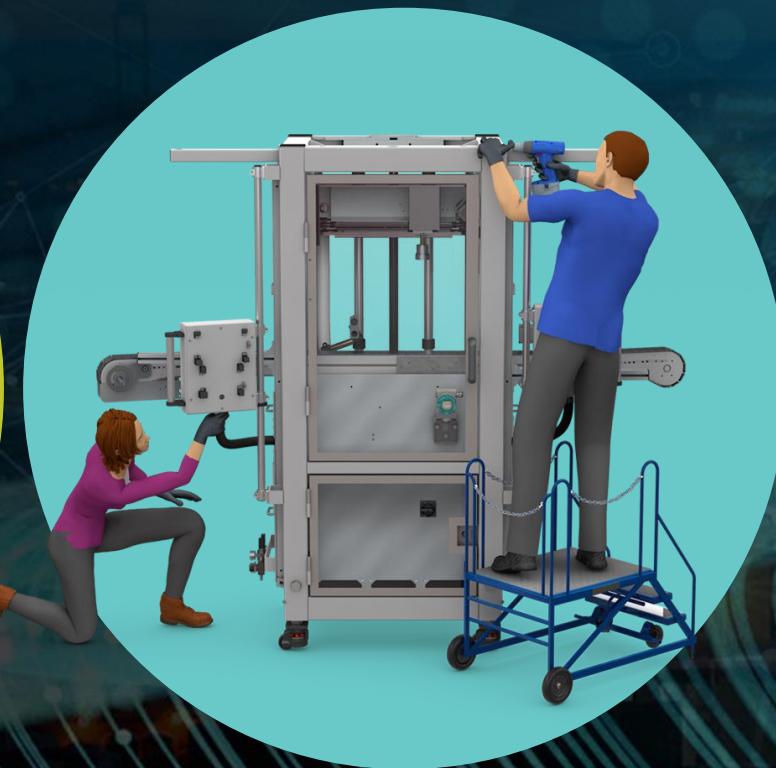


数字化正当时

创意



实现



运营



系统的边界正在消失

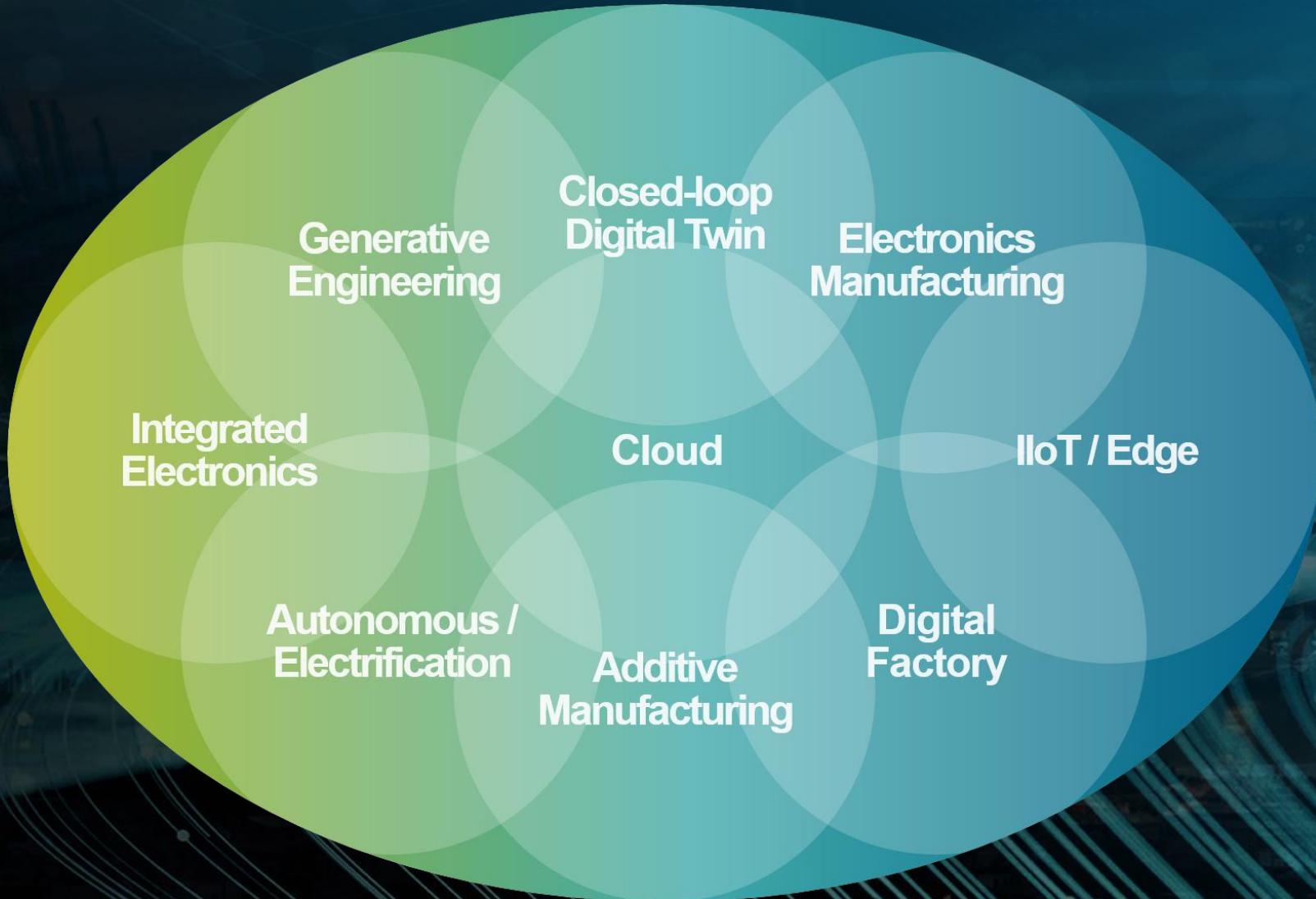
创意

实现

运营



全面进入数字驱动的云时代



**数字化正当时
与您共创**

