

SIMATIC IOT2050 NEW

The successor of the IOT2040



The intelligent gateway and data collector for industrial IoT applications



Feature / Function

- Multiplied computing power
- TI ARM SoC, 64 Bit Processor
- SIMATIC Industrial OS preinstalled (Full managed Debian-based Linux, 64Bit)
- Graphic Interface
- 2 full USB interfaces
- Arduino shield compatibility
- Internal memory eMMC, with SD card expandable
- Remote Edge functionality preinstalled

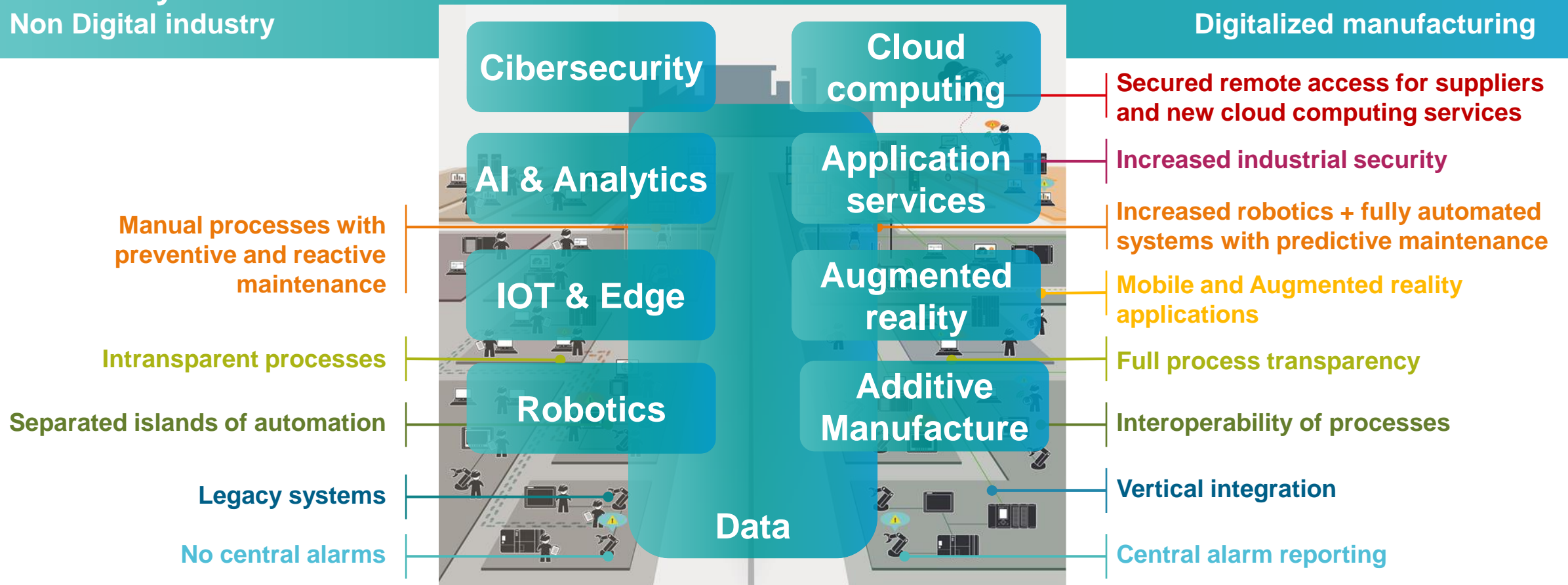
Benefit

- High-performance data compression, implementation of different communication protocols
- Use of existing advantages such as freely available packages, simple update concept, etc.
- Reduced development and maintenance costs
- Professional and "usual" SIMATIC Support
- Visualization of the data streams
- Easy and multiple connection options
- Direct connection to actuators and sensors - no changes to the existing system
- Faster system startup
- Easy integration into Edge solutions
- Programming of data preprocessing in high-level programming languages such as Java

Yesterday vs. Tomorrow

Yesterday
Non Digital industry

Tomorrow
Digitalized manufacturing



Digital Era opens new potential and market opportunities but also new challenges only addressable with operation intelligence

Digital Age Business

From Business Intelligence

- Analysis of historical data over defined periods of time
- implementation of reactive optimization measures

...to Operation Intelligence

- Continuous analysis of process data
- Continuously optimized and predictive operations with cost effective maintenance services

Cloud computing & Analytics

Globally available data lake for aggregated data of all sorts to be evaluated with Analytics and AI tools towards continuous process transparency and optimization

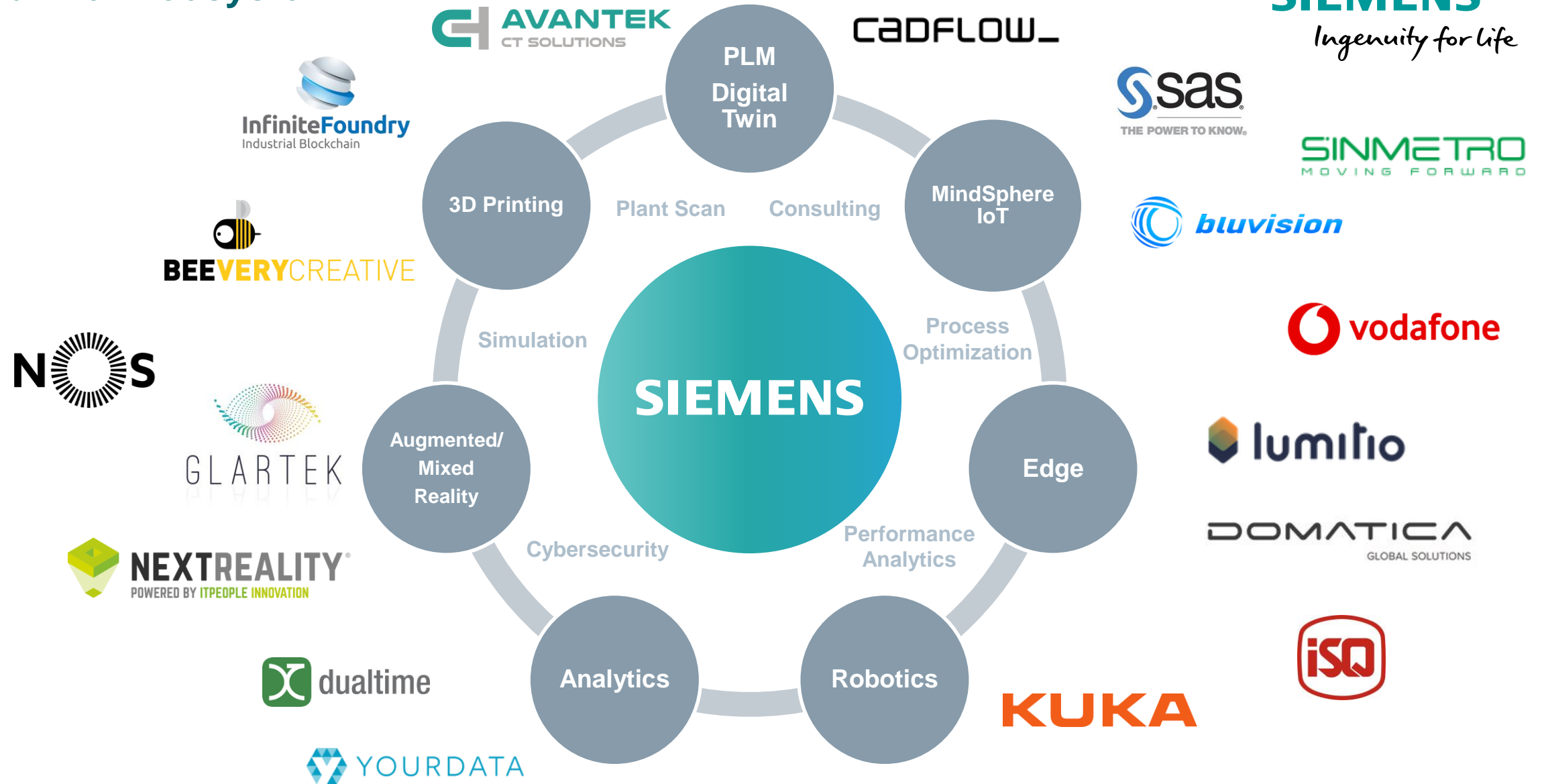
Digital Twins & Simulation

Digital Data models to evaluate, simulate and optimize with process data

IoT & Edge

Continuous connectivity to operation data flows, from sensor to system to edge operations

Partner Ecosystem



i-Experience Center
Industry 4.0

#unlockthepotential

#unlockthepotential

INDUSTRY IN THE DIGITAL ERA

Digital Innovation Hub

Digital Industries