

Cloud, Edge og AI

Rasmus Loft



Siemens Vertical Integration



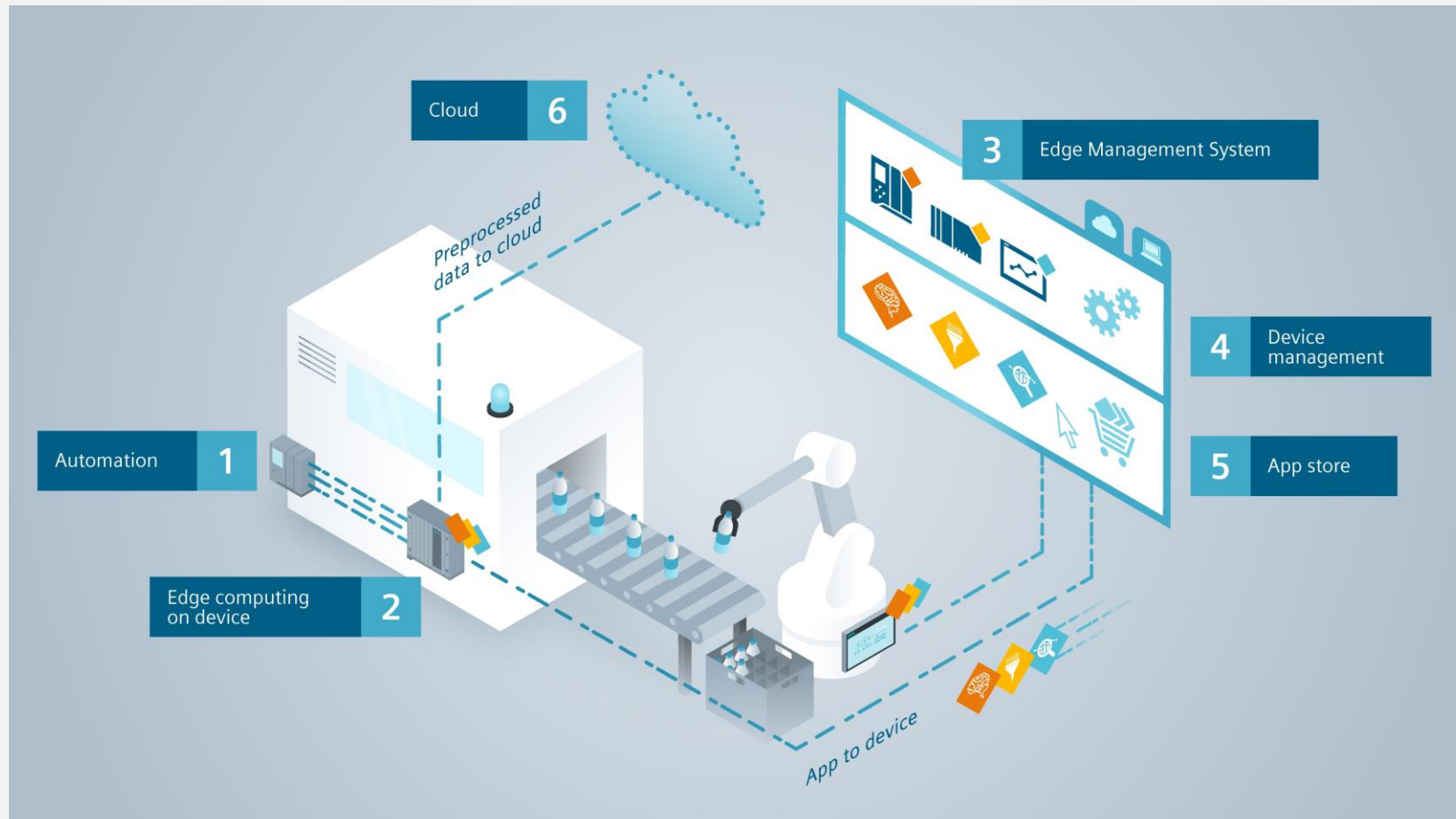
MindSphere

Industrial IoT as a service



Siemens Industrial Edge

Industrial IoT on-premise



Siemens Industrial Edge



Transparency on consumption with **Energy Manager**



Easy Dashboarding with **Performance Insight**



Digital maintenance cockpit in **Machine Monitor**



Error and alarm logbook in **Machine Insight**



Root Cause analysis with **Collaboration Board**



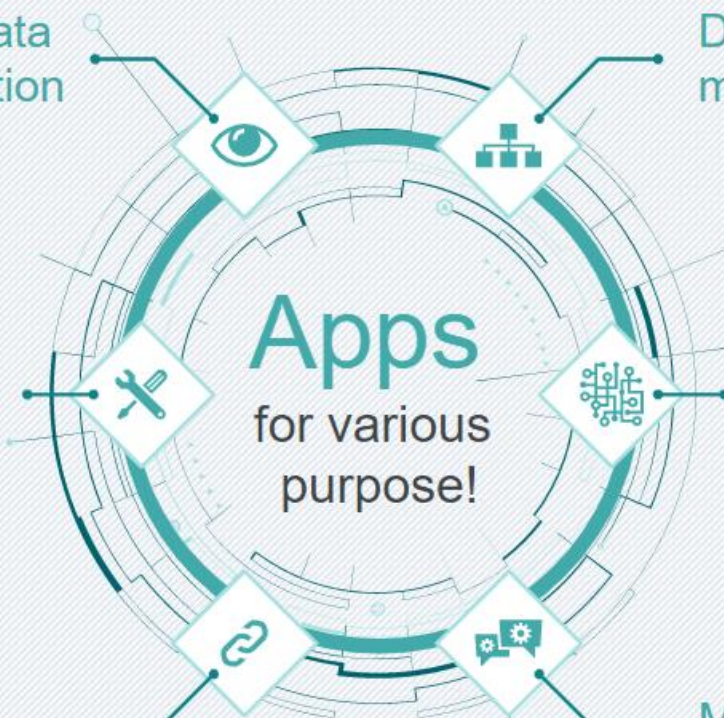
Connect the shopfloor with Industrial Edge **Connectors**



Data visualization

Machine service

Connectivity



Device management

Data processing

Machine interaction



Scan and stock your network with **Inventory**



Update your systems with **SIMATIC Automation Tool**



Flow based data preprocessing with **Flow Creator**



Run FMU simulations on your machine with **LiveTwin**



Receive Push notifications from machines with **Notifier**

Siemens Industrial Edge



Hardware - Roadmap

- New hardware IPC 127
- New hardware IPC 427
- New Virtual Edge Device
- Integration of Unified Comfort Panel Edge system



WM

| SIMATIC AI



SIMATIC AI Portfolio



Industrial Edge Device
IPC-227e

NEW: SIMATIC TENSORBOX Box PC designed for AI

Feature / Function

CPU/GPU/RAM

- ARM@v8.2 64-bit CPU
- NVIDIA Jetson Xavier NX GPU (384 GPU cores)
- 8 GB RAM
- 16 GB eMMC
- Power Supply 24V DC

Interfaces

- M.2 interface internal
- Display Port
- uSD card interface
- 4x GB Ethernet (2 davon mit PoE)
- 4x USB 3.0 and one USB2 device

Housing

- fanless
- All interfaces at one side

Digital Input/Output

- 24V DC
- 4x DI and 2x DO

SIMATIC TENSORBOX



SIMATIC S7-1500
TM NPU



**Thanks from the
Cloud, Edge and AI team!**

