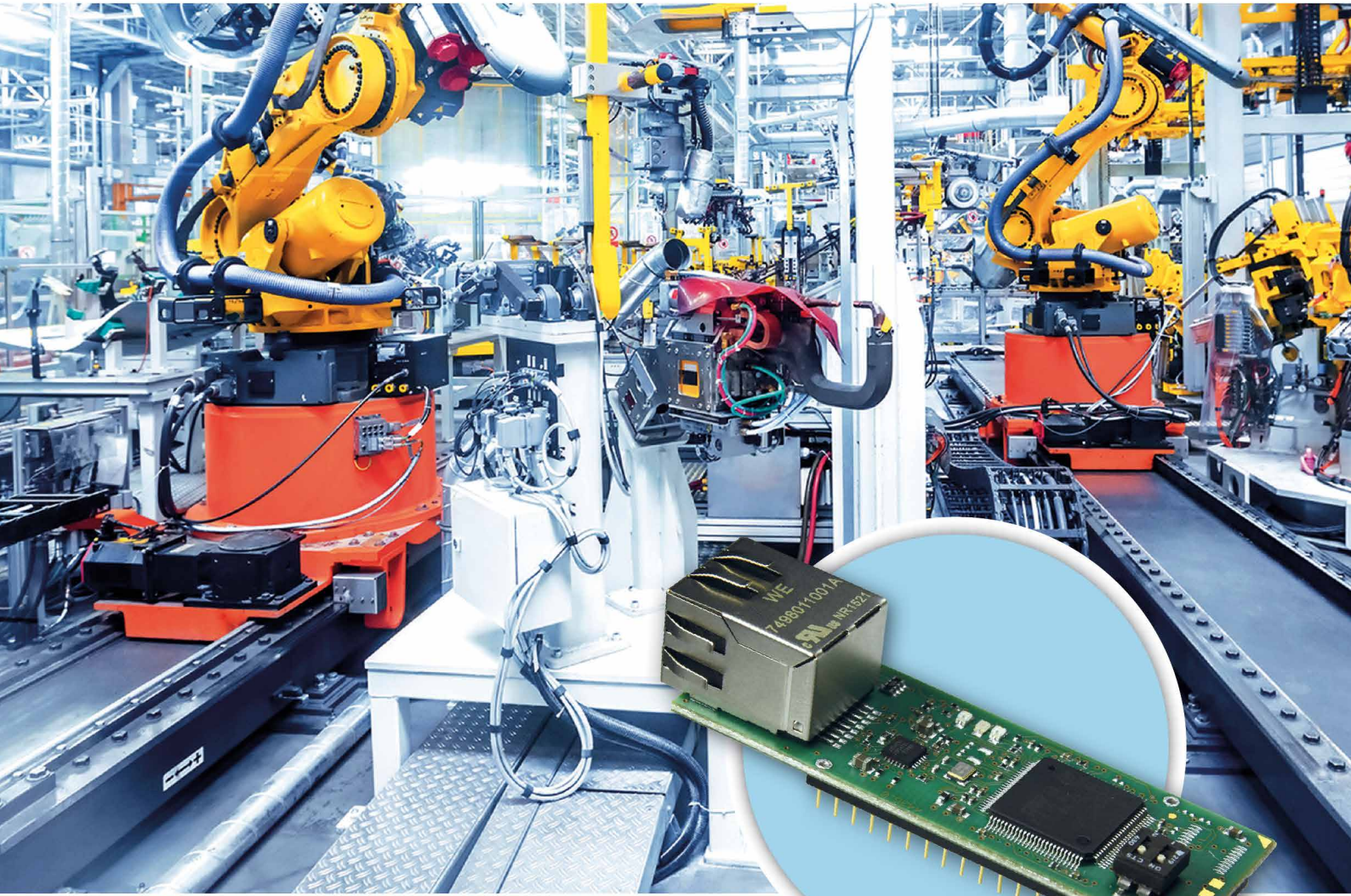




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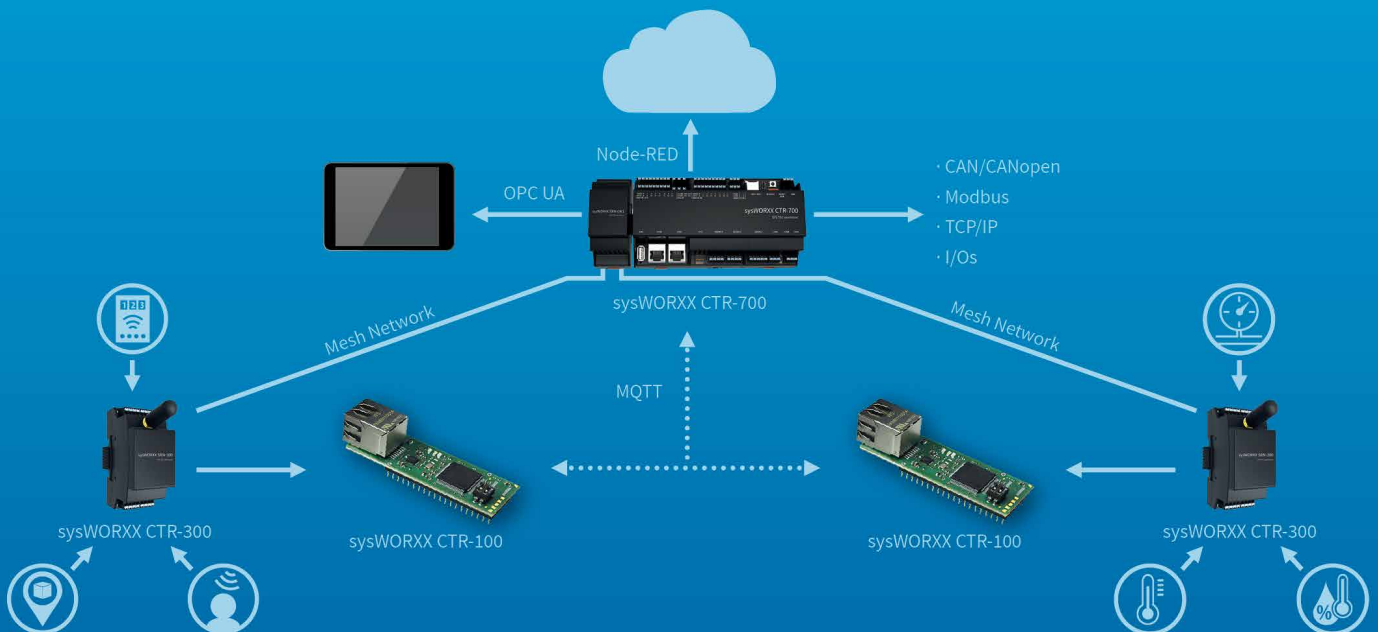
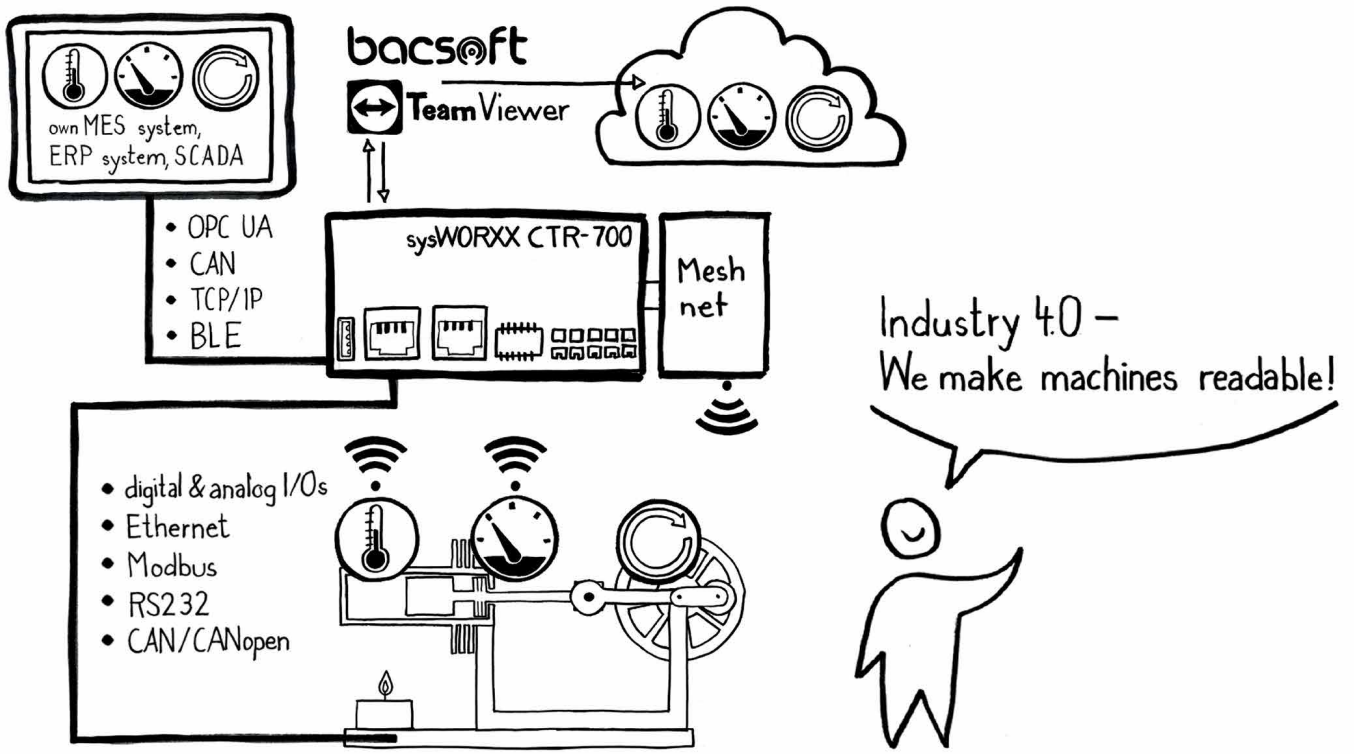
SMALL & FINE!

Fast, Easy, Safe – Measure, Track, Control

sysWORXX CTR-100

Cost-effective industry 4.0 control
with connection to the cloud for installation proximity to sensor / actuator

WE MAKE MACHINES READABLE!



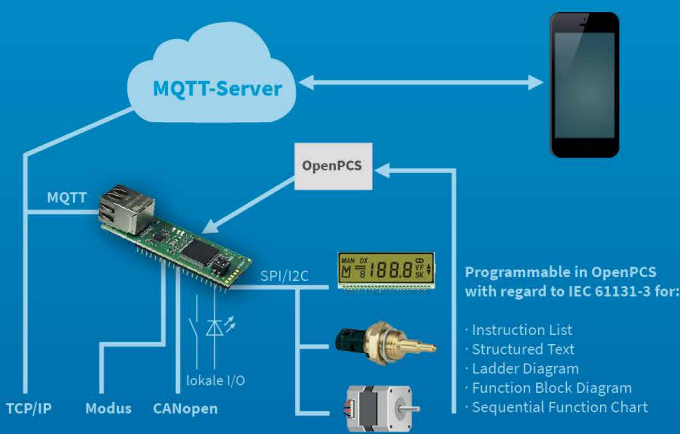
PRODUCTION MONITORING

Live monitoring & control of machinery/plant data

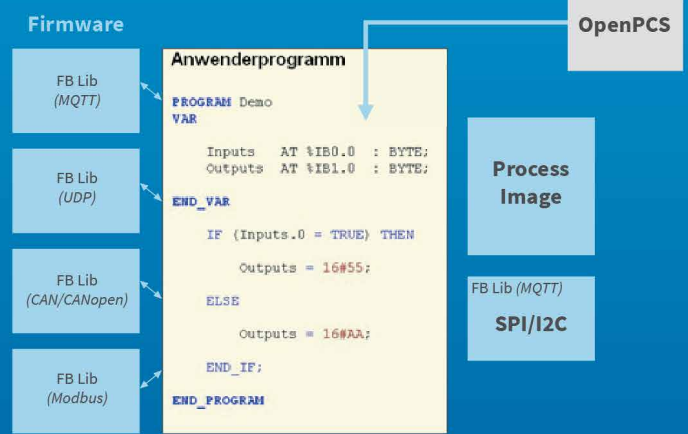


SOFTWARE DETAILS sysWORXX CTR-100

- ▶ PLC Runtime: OpenPCS - IEC 61131-3
- ▶ Programming interface: Ethernet



PERIPHERAL CONNECTION with local bus (I²C, SPI)



PROGRAMMING with IEC 61131-3

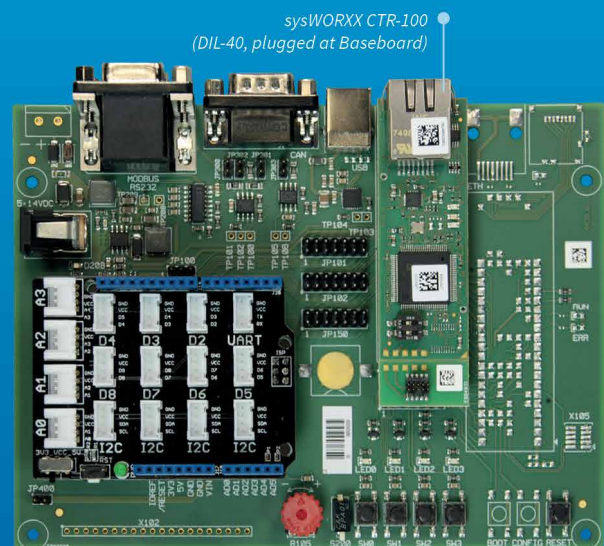
ENERGY MANAGEMENT

Intelligent meters & reduction/smoothing of electrical load peaks



ADVANTAGES sysWORXX CTR-100

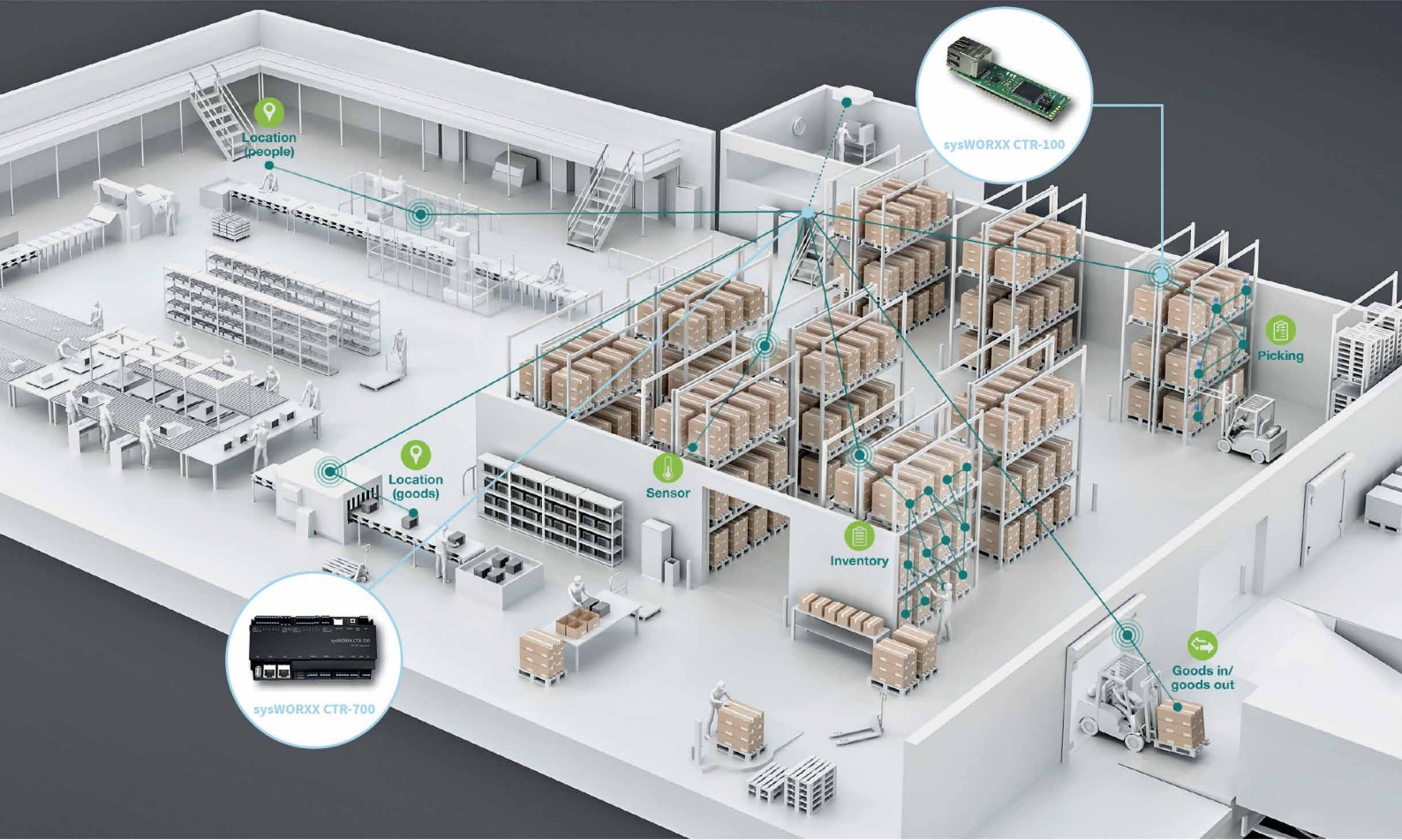
- ▶ Simple implementation of Smart Devices
- ▶ Easy connection to sensors & actuators via DI/DO, SPI and I²C
- ▶ Small size allows placement in close proximity to sensors & actuators
- ▶ Detection and processing of relevant parameters such as temperature, pressure, humidity, etc.
- ▶ Sending data to the cloud/gateways
- ▶ Control of actuators
- ▶ Flexible operating modes:
 - Stand-Alone-Solutions
 - Bridge to Cloud



Development KIT consisting of baseboard and sysWORXX CTR-100

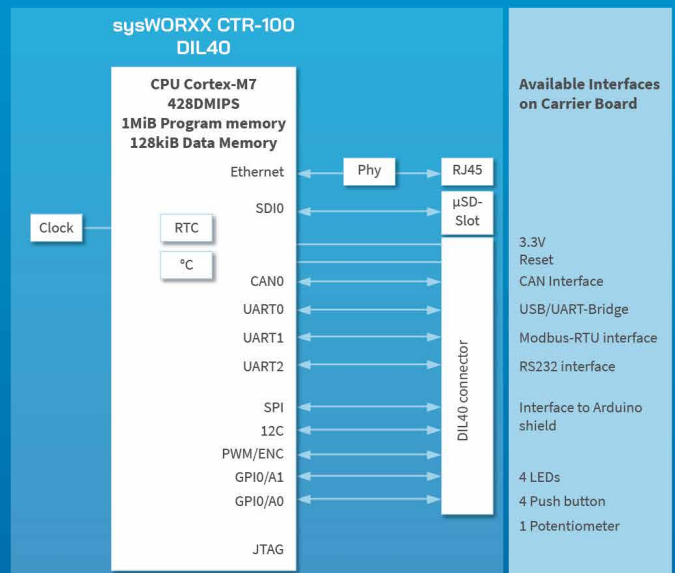
GOODS TRACKING

Increased efficiency through monitoring in industry/production



HARDWARE DETAILS sysWORXX CTR-100

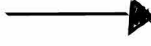
- ▶ Available as DIL-40 or LGA version
- ▶ STM32F767/ARM 32-bit Cortex™-M7, 200 MHz
- ▶ 3x UART/USART ▶ 1x CAN ▶ 4x DO ▶ 6x DI ▶ 1x SPI
- ▶ 4x AI ▶ 2x AO ▶ 1x I²C ▶ 1x A/B-Encoder
- ▶ Connection:
 - UDP
 - MQTT
 - Modbus
 - CANopen
- ▶ Programmable user application according to IEC 61131-3 (128kB application memory)



block diagram sysWORXX CTR-100

FROM YOUR IDEA TO SERIAL PRODUCTION

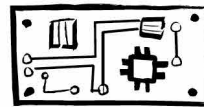
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1. Concept



2. HW-Design



3. SW-Design



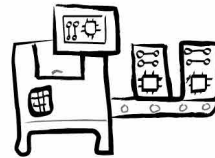
4. Casing



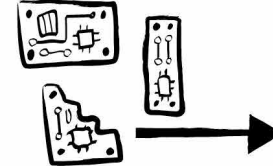
5. Prototype



6. Series



7. EMS



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