



iiOT

INDUSTRIAL INTERNET OF THINGS



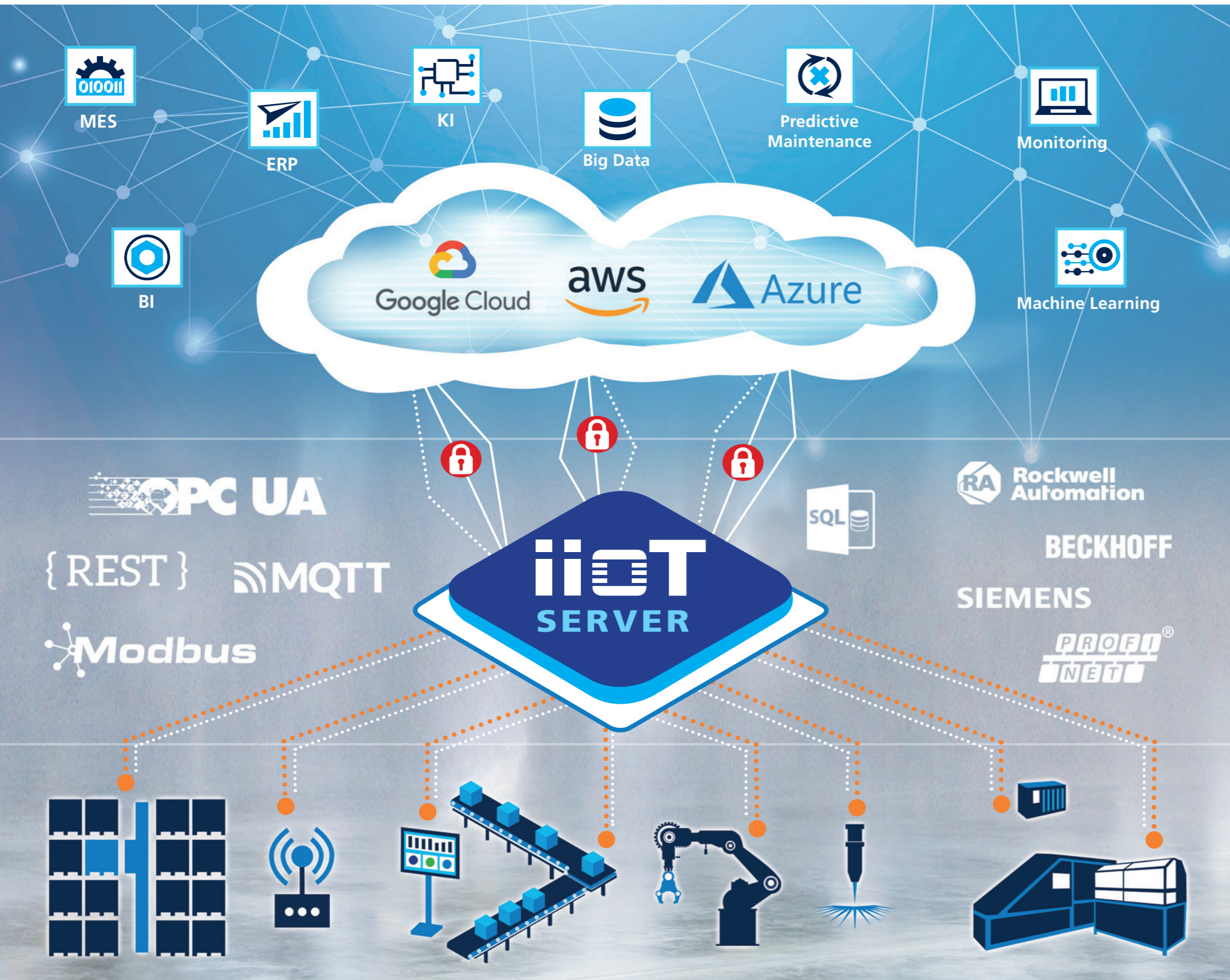
CONNECTING THE EDGE TO THE WORLD
Bring the Shopfloor into the Cloud.

KÖHL IIoT Server

The smart Machine-To-Cloud Solution

KÖHL IIoT Server

The easy Way to Industry 4.0



Data is one of the key factors for tomorrow's business success. Clever Big Data analyses supported by artificial intelligence and machine learning open the doors to your Smart Factory. That is what makes effective measures such as predictive maintenance possible in the first place.

You are faced with the challenge of collecting the data that is available at the shop floor level in order to analyse it profitably? At the same time, you don't want to do without your well-established machines which are driving a large part of your production?

The KÖHL IIoT Server offers an easy way to integrate and digitalise this equipment into your preferred Industry 4.0 ecosystem. You will profit from a flexible and future-proof Machine-To-Cloud solution which conquers annoying communication barriers in no time.

HIGHLIGHTS

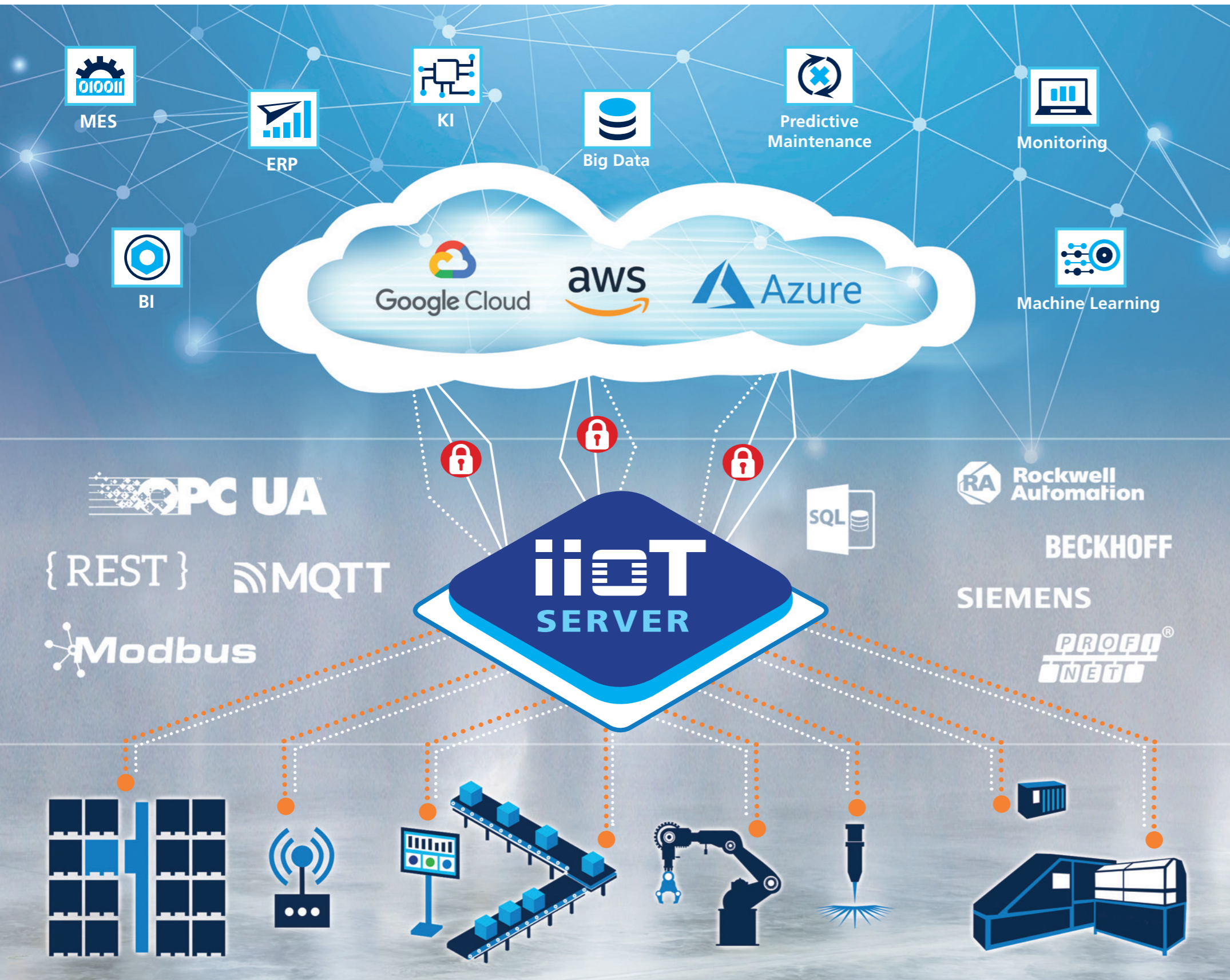
- Data centered design
- Platform independent
- Scalable
- Lightweight software architecture
- High performance
- Interoperable: supports all common protocols and machinery
- Configurable
- Flexibly expandable
- Maintenance friendly

KÖHL IIoT Server

The smart Machine-To-Cloud Solution

Data Collection and Analysis

Flexible - Reliable - Cloud Connectivity



The KÖHL IIoT-Server is a smart Machine-To-Cloud solution that collects and handles data at the shopfloor level and forwards it to a Cloud or Fog environment.

This is where the data is stored, analysed and archived. This is how we raise your production to a future-proof level. An intelligent production optimizes process workflows, maintenance, energy consumption and service management.

FLEXIBLE

- Collection of data from all machinery (old & new components)
- OEM independent
- No programming changes of existing PLCs required
- Direct Cloud- or Fog connection
- Support of OPC UA Companion specifications (e.g. PackML, TMC)
- Web based configuration
- Central configuration for all instances

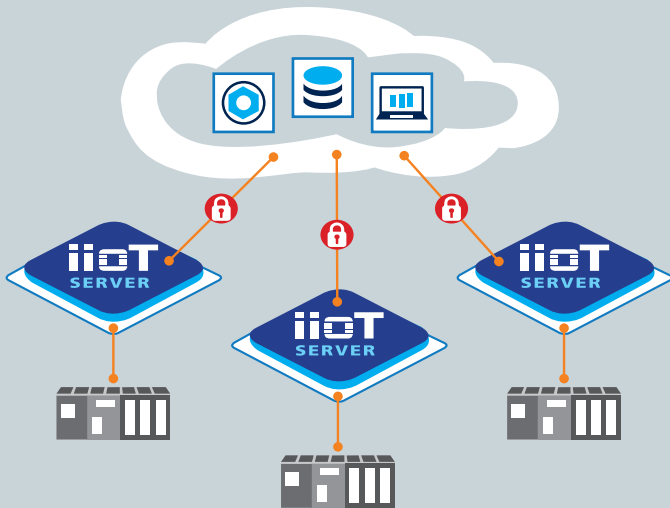
RELIABLE

- Tailor-made solutions for equipments which are not standard
- Automation expertise to integrate existing equipment
- Warranty & support

Future-Proof Architecture

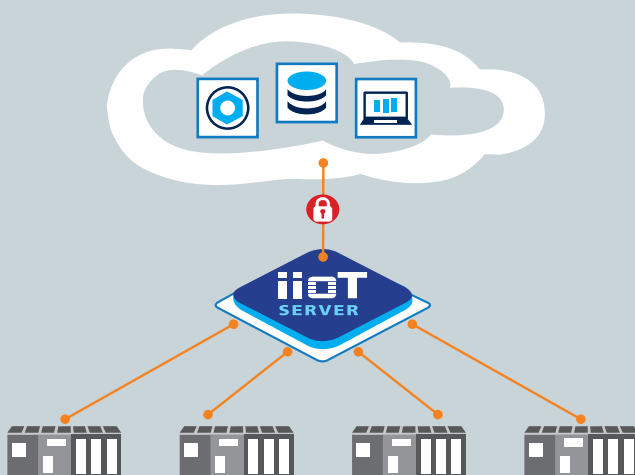
Scalable ▪ Secure ▪ Focused

Decentralised architecture



Each PLC is connected to a separate unit of the **KÖHL IIoT Servers**. The minimal hardware requirements allow the use of cost-effective and space-saving control cabinet solutions. The data can be transferred from the production network to the cloud in a secure way.

Centralised architecture



All PLCs of a production line or an entire plant are connected to a central unit of the **KÖHL IIoT Servers**. This can be easily integrated into existing server or virtualisation architectures.

The **KÖHL IIoT Server** can be installed in a decentralised or in a centralised architecture, depending on the customer's requirements or environment.

Beside the individual design and implementation, you are going to benefit from additional advantages.

SCALABLE

- Minimal hardware requirements
- Integration into the preferred software or virtualisation environment
- Centralised & decentralised integration

SECURE

- Firewall-friendly
- Connection to the present security concepts
- No need for production equipment to leave the production network

FOCUSED

- Data centered
- Just-in-time data transformation and normalisation
- Collection & calculation of cumulative data
- Combination of data into uniform parameters
- Vertical & horizontal data integration

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