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wienet CLOUD

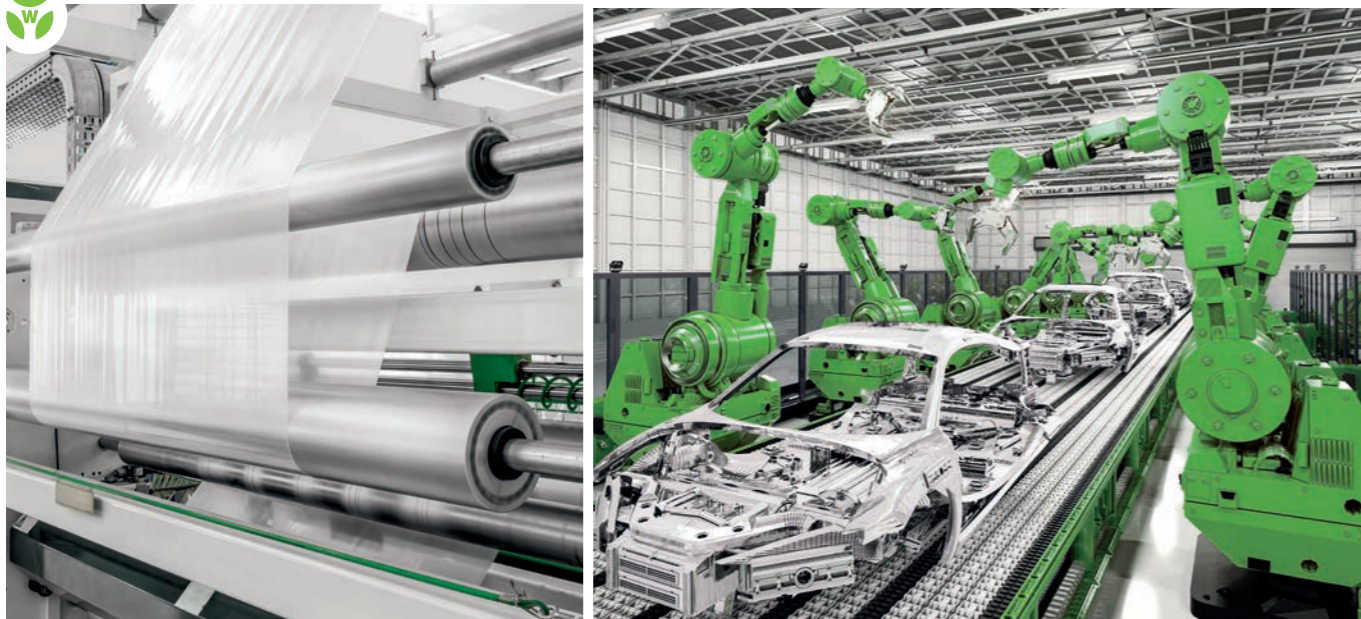
# IIoT-CLOUD-SERVICES

Comprehensive, practice-oriented cloud solution for mechanical engineering.

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Global sales partners in over 70 countries:

[www.wieland-electric.com](http://www.wieland-electric.com)



## EASY IIoT-CLOUD-APPLICATIONS WITH A COMPETITIVE ADVANTAGE.

Utilizing our IIoT communications solutions, mechanical engineers benefit from efficient, reliable products through a smart service package from a single source. This provides a layer of support to your customers as they make their way to the Smart Factory, with a clear competitive advantage realized.

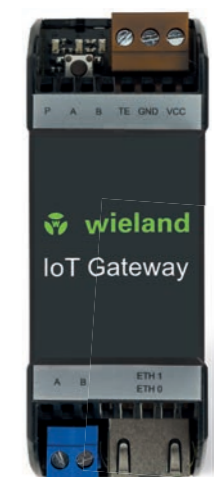
Around the globe, small and mid-sized manufacturers create efficient and reliable machines and systems used to deliver essential high-quality products. The challenges faced in keeping these machines and systems running at their optimal potential while offering innovative services begins early in the process with the planning and integration of new information and communication technologies. For mechanical engineers, this means an increasing relationship with IT applications, interfaces and security.

This daunting challenge is easily mastered thanks to our wienet CLOUD solution, which enables easy processing of entries and updating of machine data, closing the gap between production and service.

### YOUR ADVANTAGE:

- + COMPETITIVE ADVANTAGE
- + EFFECTIVE PREDICTIVE MAINTENANCE
- + HIGH FLEXIBILITY IN PRODUCTION
- + EARNINGS THROUGH SERVICES

- + Easy entry into the IIoT communication
- + Scalable, extendable solution
- + Hardware, Cloud, Service + Support from one source
- + Worldwide access to all data

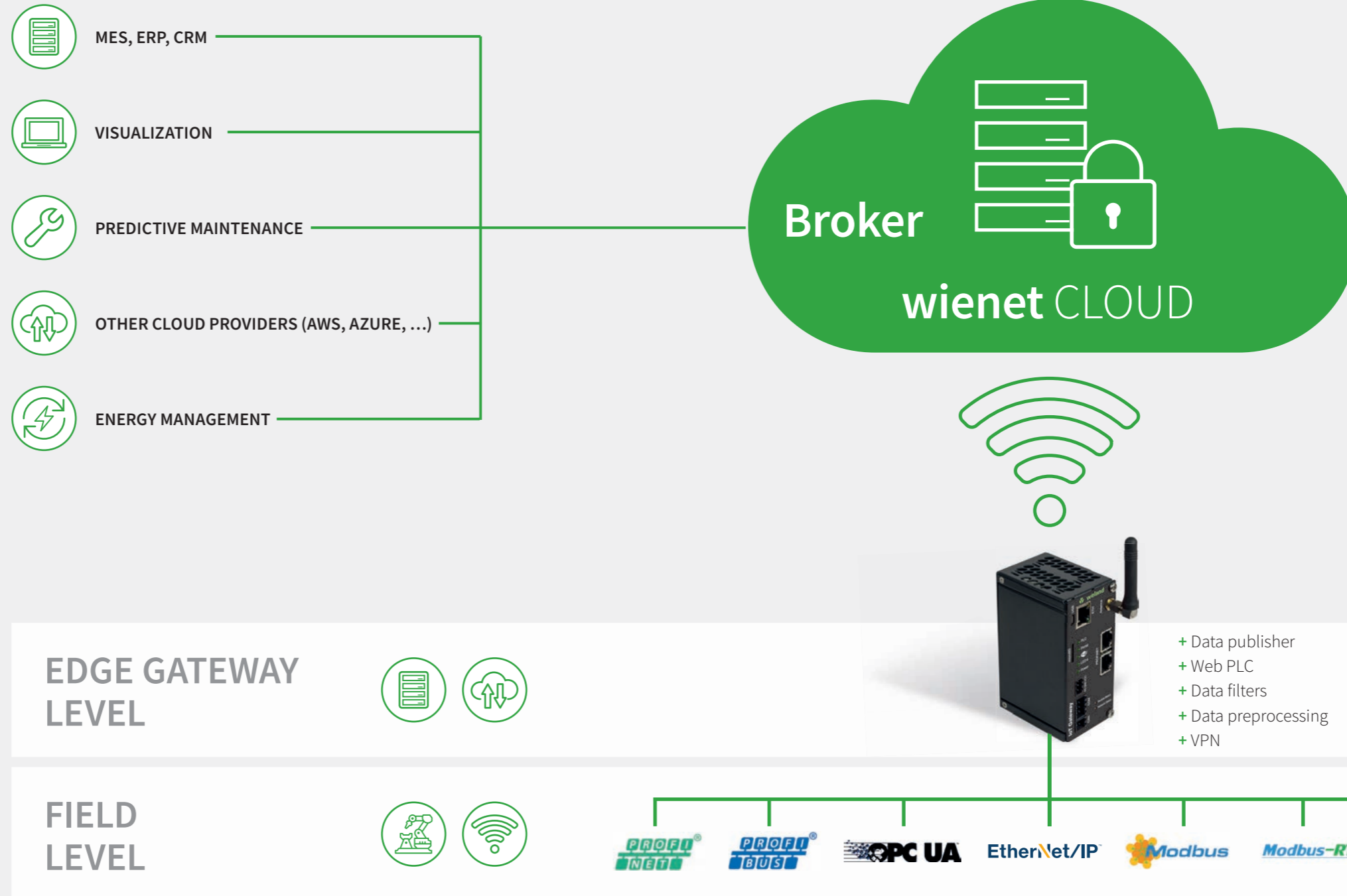


# WIENET CLOUD APPLICATIONS IN MECHANICAL ENGINEERING.

The Internet of Things for Industrial Applications (IIoT) continues to provide new possibilities for manufacturing, energy production and logistic industries which includes remote monitoring and control of machines, sensor-controlled supply chains and integrated logistics processes or "big data" capable diagnostics.

wienet CLOUD completes our extensive gateway portfolio to provide you with all the transformation modules needed. Your IIoT applications will be effectively realized with a simple modular principle with all data provided or accessed via our wienet CLOUD IoT gateways.

Our solutions can retrofit your existing machines to ensure they're ready for the future.



## THE CLOUD FEATURES

- ▶ Scalable platform
- ▶ No IT consulting necessary
- ▶ Worldwide visualization
- ▶ Encrypted data
- ▶ Complete solution and support from a single source

## COMMUNICATION

- Firewall
- Full-duplex communication
- Keep-alive mechanism
- Controllable data volume
- Low latency

## SECURITY

- End-to-End encryption
- Mandatory authentication
- Password policy
- Structured authorization system

## DATAMODEL

- Types of data: boolean, integer floating point, string, byte, array
- Flexible event-trigger configuration
- QoS levels
- Scaling/Formating the data
- Storage of all recorded data

## OPERATIONS

- Industrial Ethernet protocols
- Professional hosting
- Scalable virtual data center
- High availability
- Service level agreement



# WIENET CLOUD SMART DATA.



## Easy + safe + customizable.

The wienet CLOUD dashboard displays real-time machine data and states at a glance. The front-end of the platform is customizable on request.

- + Encrypted data transmission
- + Viewable on both PC and mobile platforms
- + Worldwide access to all relevant data at any time

## WIENET CLOUD · ORDERING OVERVIEW

Name/Type	Description	Art. No.	PU
wienet CLOUD Project registration	Setting up a project in the wienet CLOUD portal	ZD.000.0040.0	1
wienet CLOUD IoT-Gateway registration	Registration of an IoT gateway in the wienet CLOUD portal	ZD.000.0041.0	1
wienet CLOUD IoT-Gateway data flat month	Monthly data flat rate per device in the wienet CLOUD portal	ZD.000.0042.0	1
wienet CLOUD customization	Customer-specific adaptation of the wienet CLOUD portal	ZD.000.0045.0	1

## WIENET IoT-GATEWAY · STARTERKIT



Description	Type	Art. No.	PU
wienet IoT	SK 115-W	83.041.1000.0	1

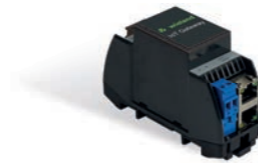
Starter kit, 2 Ethernet ports, 1 RS485 serial interface, 1 microSD card slot, WEB-PLC programming, 1 year free use of the wienet CLOUD portal



Description	Type	Art. No.	PU
wienet IoT	SK 100-DIO8-3G-C	83.041.1011.1	1

Starter kit, antenna, power supply, ethernet cable, input simulator, WEB-PLC programming, 1 year free use of the wienet CLOUD portal

## WIENET IoT-GATEWAY · ORDERING OVERVIEW



Description	Type	Art. No.	PU
wienet IoT	GW 115-W	83.041.1100.0	1

2 Ethernet ports, 1 RS 485 serial interface, 1 microSD card slot, WEB-PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-PB-W	83.041.1280.0	1

1 Ethernet port, 1 CAN port, 1 serial interface RS232/RS485, 1 PROFIBUS interface, 1 microSD card slot, 1 USB port, WEB-PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-PN-W	83.041.1250.0	1

1 Ethernet port, 1 CAN port, 1 serial interface RS232/RS485, 2 PROFINET ports, 1 microSD card slot, 1 USB port, WEB-PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-PN-3G-W	83.041.1251.0	1

1 Ethernet port, 1 CAN port, 1 RS232/RS485 serial interface, 1 3G modem, 2 PROFINET ports, 1 microSD card slot, 1 USB port, WEB PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-PN-WIFI-W	83.041.1252.0	1

1 Ethernet port, 1 CAN port, 1 RS232/RS485 serial interface, 1 WLAN/BT modem, 2 PROFINET ports, 1 microSD card slot, 1 USB port, WEB-PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-EIP-W	83.041.1260.0	1

1 Ethernet port, 1 CAN port, 1 serial interface RS232/RS485, 2 Ethernet/IP ports, 1 microSD card slot, 1 USB port, WEB-PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-EIP-3G-W	83.041.1261.0	1

1 Ethernet port, 1 CAN port, 1 serial interface RS232/RS485, 2 Ethernet/IP ports, 1 microSD card slot, 1 USB port, WEB-PLC programming



Description	Type	Art. No.	PU
wienet IoT	GW 100-EIP-WIFI-W	83.041.1262.0	1

1 Ethernet port, 1 CAN port, 1 RS232/RS485 serial interface, 1 WLAN/BT modem, 2 Ethernet/IP ports, 1 microSD card slot, 1 USB port, WEB PLC programming