

IoTKey®

Industry grade wireless measurement
and monitoring



WIRELESS FOR INDUSTRIAL APPLICATIONS

- Industry grade turn-key solution for cost efficient wireless measurements
- Fast and simple setup also for retro-fit and temporary installations
- Reliable, long range, low power wireless data communication with excellent immunity to interference even in demanding conditions.

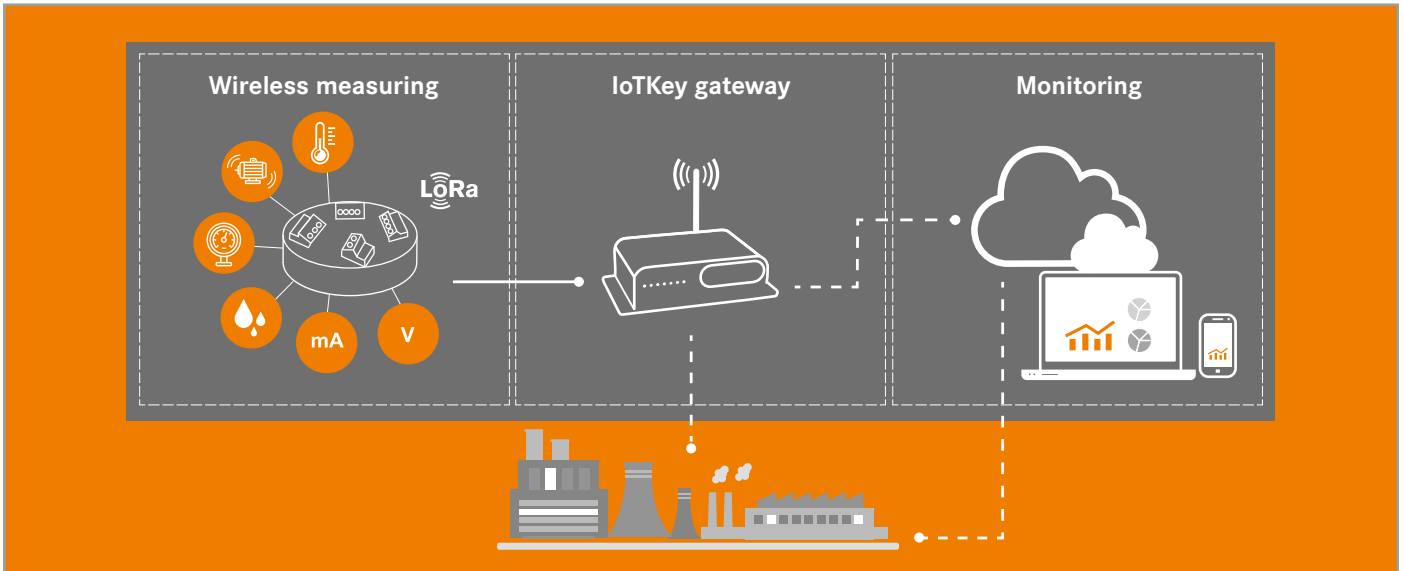
SMARTER MAINTENANCE FOR BETTER PRODUCTIVITY

- Prevent, detect, locate and diagnose problems and failures faster and more efficiently

- Optimize inspection and maintenance intervals, conditions, product life-cycle and warranty costs based on real world up-to-date measurements
- Get more insight with more data - temperature, humidity, pressure, level, vibration, oil quality, current, etc.

FUTURE-PROOF FLEXIBILITY

- Use as a stand-alone solution or integrate to existing systems
- Scale up with new sensors, locations and monitoring options
- Simple web-based access to real time data, trends and measurement configurations - anytime and anywhere, also with mobile devices.



APPLICATION EXAMPLES

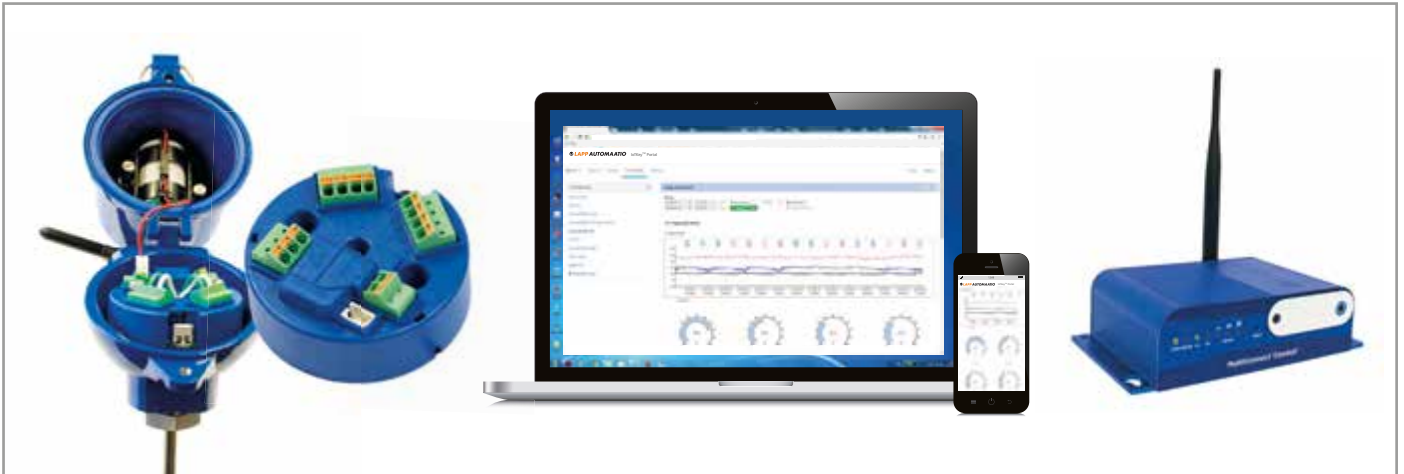
- Problem diagnostics and preventive maintenance for bearings, pumps, gears, turbines, etc.
- Detection of efficiency drops and maintenance needs in heat exchangers
- Advanced and continuous oil quality monitoring for product maintenance, life cycle and cost optimization
- Environmental measurements and monitoring for warehouses and storage areas, laboratory space, etc.
- Remote monitoring for levels and temperatures in water supply and waste water networks
- Monitoring and improving energy efficiency in district heating systems
- Mobile measuring sets for temporary condition monitoring of machines and production facilities.

IoTKey® TRANSMITTER WLT 310

- Encrypted wireless LoRa communication
- Long range, low power and excellent interference immunity
- 1–3 sensors per transmitter, e.g. temperature, humidity, pressure, vibration, oil quality
- Configurable measuring interval and alarms.

IoTKey® GATEWAY & MONITORING

- Data routing (4G/Ethernet) to IoTKey cloud or any other system
- Real time monitoring, alarms and history data anywhere with any web enabled device
- Configurable dashboard views and measuring parameters.



TYPICAL INDUSTRY SECTORS



MANUFACTURING

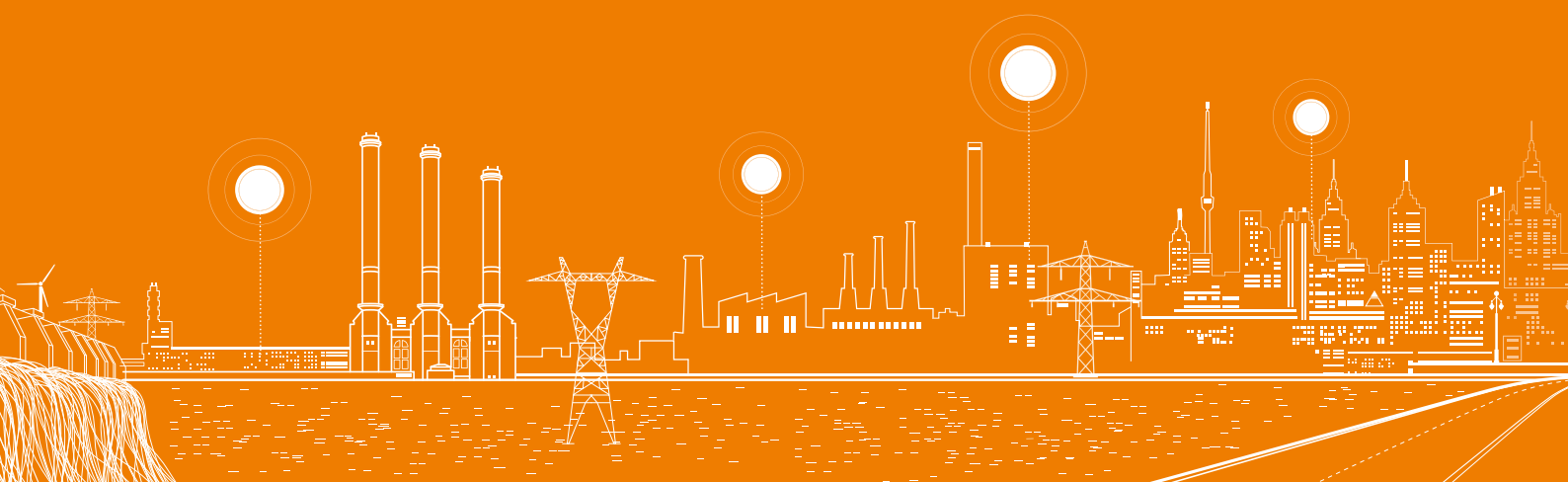


ENERGY



WATER & INFRASTRUCTURE

 **LoRa Alliance Certified™**



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