



WIKA IIOT SOLUTIONS

Predictive maintenance of rotating machinery

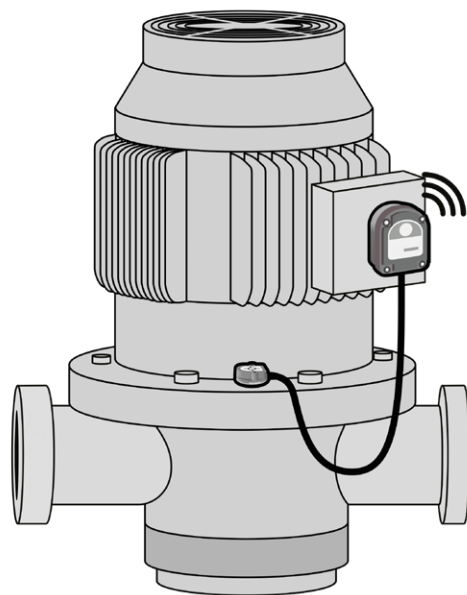
Avoid downtime due to failure detection in an early state

The performance of industrial processes depends on the reliable operation of machinery such as motors, conveyors, bearings, gearboxes, pumps, compressors, etc., throughout your site.

Unexpected equipment breakdowns lead to increased costs, lost revenues, and reduced productivity. Active monitoring of equipment health and smart asset management are essential, regardless of age, condition, or model.

WIKA's IIoT solutions enables the transformation of your maintenance strategy. After the fast and simple installation of the sensor to the critical equipment, a unique machine learning algorithm oversees and analyzes the condition of the asset at short intervals, enabling the change from reactive to predictive maintenance. This capability ensures almost universal monitoring of all types of industrial equipment, providing tailored surveillance to meet the specific needs of each type.

WIKA's rotating machinery manager is designed to detect anomalies and provide accurate diagnostics at a very early stage.



What makes WIKA's rotating machinery manager unique?

- Advanced multi-sensor probe detects anomalies at an early stage measuring temperature, ultrasound and vibration
- Easy installation, as no wiring of sensor needed (LoRaWAN® and battery powered)
- Remote access to the machine parameter increases the transparency and availability
- Machine learning algorithm relieves the maintenance team



Smart in sensing

Smart IIoT instruments

- Multi-sensor beacon helps to detect early signs of anomaly with ultrasound, vibration and temperature data
- Up to 10 years autonomy using replaceable AA lithium-iron batteries
- Wireless data transmission via LoRaWAN® solution, very long range up to 10 km
- Data is secured from point of capture to your database



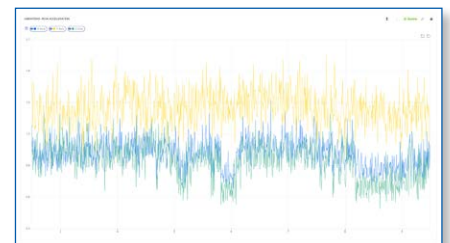
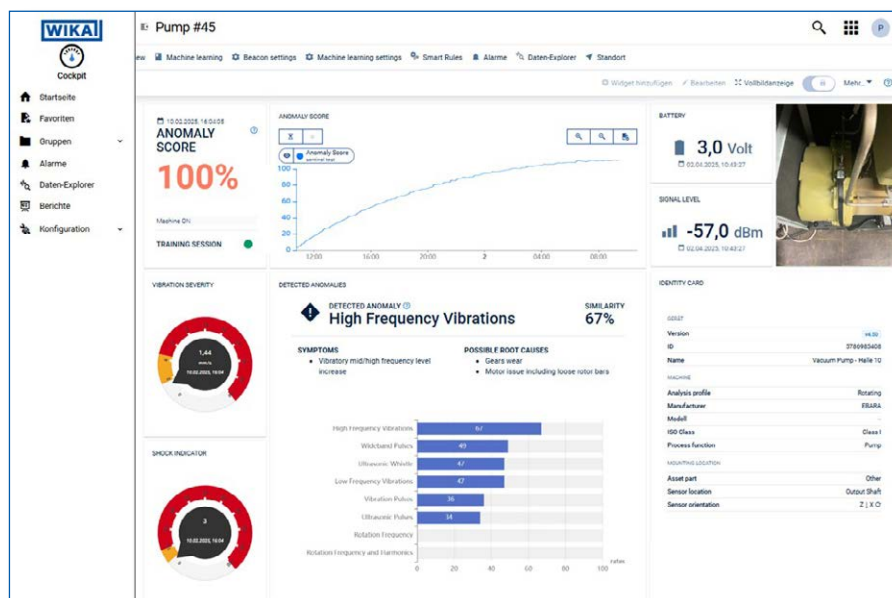
Connectivity

WIKAI can help you to find the right solution for your environment. LoRaWAN® can be quickly deployed or integrated with your existing infrastructure.

The collected data is accessible on our web and mobile application for diagnostics, visualization, alerts, and remote management, and can be accessed via APIs for network integration.

Dashboard

WIKAI provides a universal and autonomous predictive maintenance solution for industrial equipment. It includes an artificial intelligence engine, powered to prescribe root causes of potential failures and automatically simplifies alert management. The dashboard offers a general overview with the machine condition, symptom analyses and root cause indication at a glance. More details and features can be shown in a live demo.



The dashboard also allows advanced analysis for experts thanks to remote access to sensor raw data. Spectrograms for ultrasound, vibration and temperature are available for precise analyses.

Benefits



Wireless data transmission
No wiring of devices



Corrective maintenance
Transform maintenance strategy



Machine learning algorithm
Relieves maintenance team



IIoT architecture
Easy integration & exchange

Get in touch

Find out more about other IIoT solutions for monitoring critical infrastructure.



Smart in sensing

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