

Measuring and Monitoring Systems

Machine condition monitoring with a smart sensor

u-sense vibration for easy retrofitting as an IIoT solution

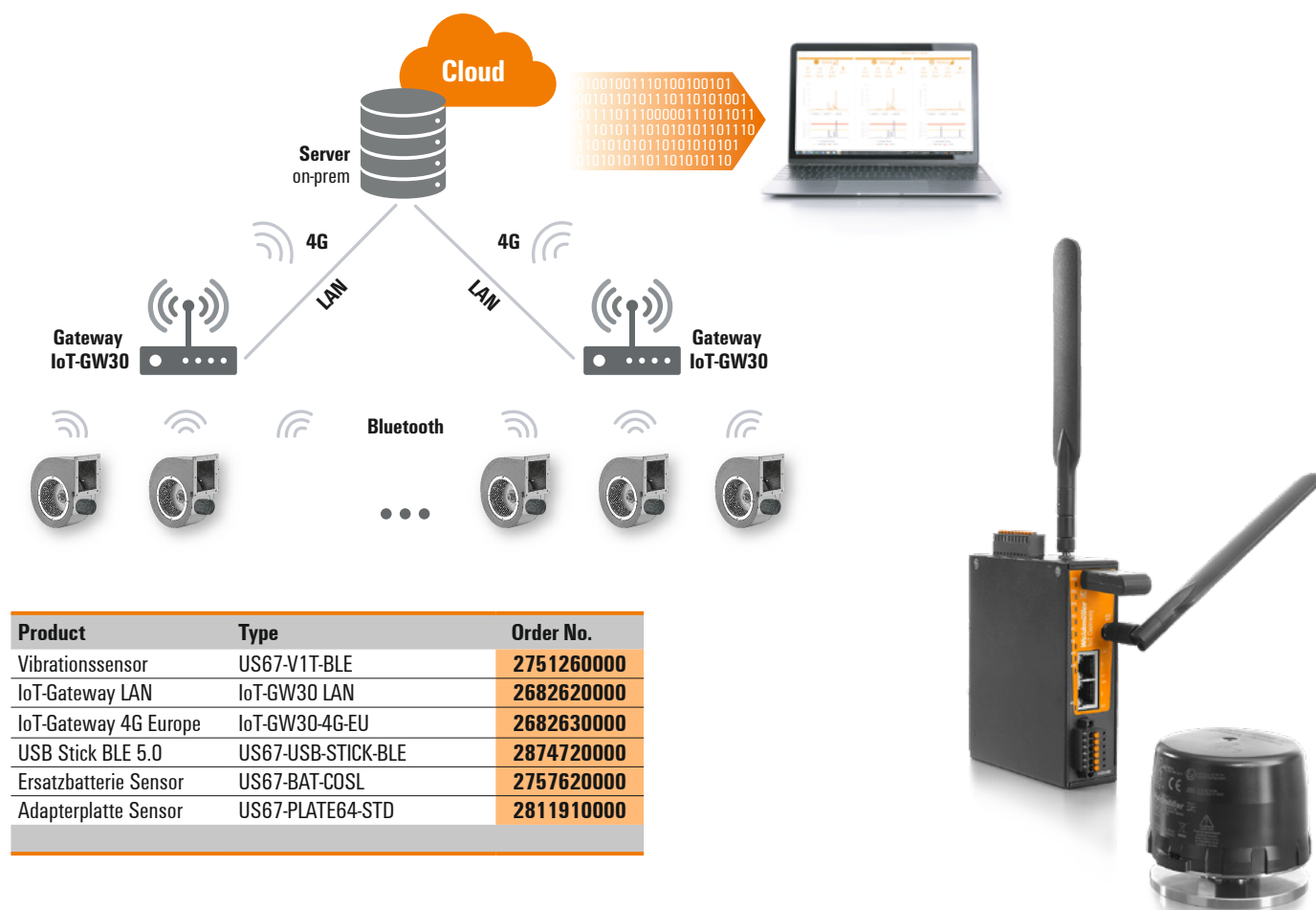
Vibrations tell us a lot about the condition of a machine. For example, they can indicate early signs of obvious wear. With u-sense vibration, unusual vibrations can be reliably detected.

u-sense vibration is a compact sensor for monitoring the condition of machines. It was designed especially for continuously running pumps, compressors and drives. Thanks to battery power supply, wireless data transmission and IP66 protection, u-sense vibration is ideally suited for retrofitting in the field. Together with the Weidmüller Gateway loTGW30, the data collected by the sensor can be temporarily stored and transferred to a cloud or local system.

Your benefits at a glance:

- Reliable monitoring of the overall vibration according to DIN ISO 10816
- Detailed FFT-based frequency analysis
- IP66 protection for harsh environments. The approval for Ex Zone 2 is also in preparation.
- Variable mounting with M8 screw connection or mounting adapter
- Data processing in the loT-GW30 with NodeRED

Connect multiple sensors with our gateway and transmit the information obtained to their desired destination. No matter if cloud or local server.



Machine condition monitoring with a smart sensor solution



Economically

Reduce maintenance costs and avoid production downtimes through condition monitoring.



Efficient

Increase the overall efficiency of your equipment with information-based decisions.



Resilient

Identify risks in time and thus strengthen the robustness of systems.



Retrofit

Simple and fast retrofit of existing equipment with sensors - without wiring.

