

Top industrial applications for vibration sensors

Including vibration sensors in industrial maintenance programs may seem like a daunting task, but it's never been easier to screen for excess vibration in assets. With vibration monitoring, simply install the sensor and start receiving data. Within minutes you will obtain the information you need to make data-driven decisions.

Access data in the plant or across the globe by adding wireless, continuously streaming sensors to your maintenance and reliability program. Cloud-based software stores and delivers data, giving you actionable insights concerning asset health. Vibration screening is an economical way to monitor more assets by automating data collection, leading teams down the path of predictive maintenance.

Nearly 90% of machinery benefits from condition monitoring. By including sensors in your industrial maintenance and reliability programs, you and your team will have a clear view of asset health and efficiency. This app note will cover some of the leading industries in which vibration monitoring can be beneficial.

HVAC

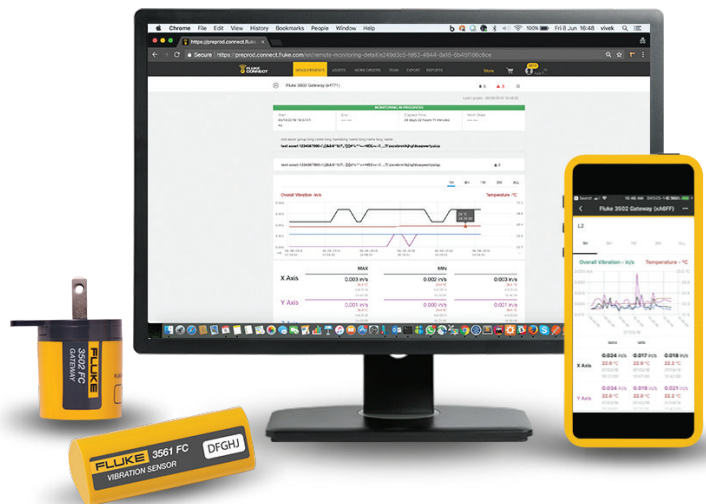
Fans and compressors are critical for ensuring that HVAC systems work properly. View remote measurements on smart devices while remaining a safe distance from fans and blowers. Keep air flowing and machinery cool by installing remote vibration sensors, helping your team pinpoint problems before they occur.

Food & beverage

Gearboxes, chillers and rollers drive food and beverage operations. Downtime in these systems can cause a ripple effect through the entire production line. Real-time and historical data help you trend, analyze and interpret information collected from assets.

Water & wastewater

More important than the financial costs, pump downtime in water distribution and wastewater plants negatively impacts customer access and water quality. Installing vibration sensors on non-critical assets ensures that water plant teams move more maintenance in-house, reduce costs and minimize time-based routes.





Oil & gas

Oil & Gas operators have facilities in remote places that experience weather extremes, dust and sand. Engineers and technicians need rugged technology to live up to the rigors of these locations. Simply reach for your phone to see asset status instead of traveling to outlying sites.

Automotive

Scaling condition monitoring programs for enterprise-level facilities may be cost prohibitive, but it doesn't have to be. With a multitude of assets, cost-effective installation of sensors is key. Sensors that are easy to implement allow teams to economically extend coverage throughout the plant.

A vibration solution for all industries

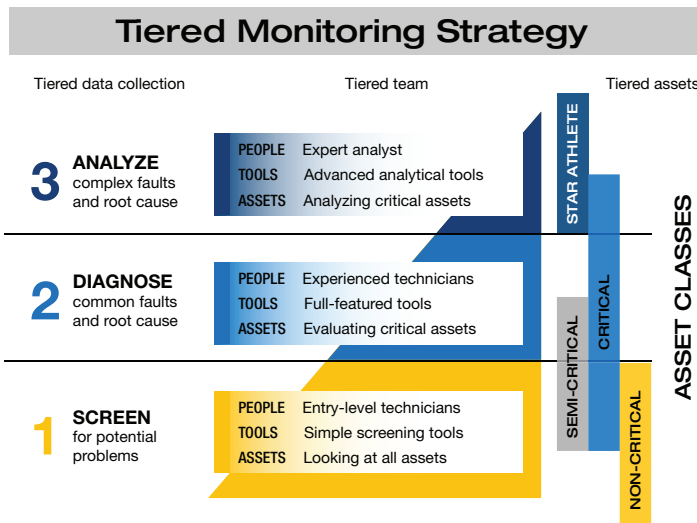
Using the Fluke 3561 FC Vibration Sensor with the Fluke Connect™ Condition Monitoring (FCCM) software simplifies vibration monitoring. Keep information from multiple sensors and tools in one, easy-to-use place.

The 3561 FC vibration sensor is simple to install by anyone on your team. Information streamed to FCCM is also easy to interpret without specialized training.

Improve non-critical and semi-critical asset reliability by monitoring for triaxial frequencies between 10 hertz (Hz) and 1,000 Hz. FCCM software has vibration standards for 37 asset categories and shows alarms on smart devices when machinery experiences conditional changes based on the Fluke Overall Vibration Severity scale.

Extend the life of your equipment, obtain the information you need to make data-driven decisions and spend less time on reactive repairs by analyzing information provided by the 3561 FC. Not only will including vibration sensors in your facility make your life easier, but you will experience increased equipment reliability.

To learn more about the Fluke FC 3561 Vibration Sensor and how vibration monitoring will improve your predictive maintenance program, please call our sales team or visit Fluke.com.



In-depth analysis for complex faults to compare, trend, analyze, root cause, and correct the fault

Diagnose fault, severity and severity score and find repair recommendation

Automate data collection and receive warnings to screen the health of your machinery based on alarms

Screening, diagnosing, and analyzing are all forms of vibration monitoring. **Vibration screening** offers the greatest initial value by providing a simple scalable solution to extend asset coverage, reduce routes and minimize labor costs.

Accelix. Connected Reliability.

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