

Wireless Sensors & IoT

Wireless sensor systems simplify the deployment of instrumentation and monitoring in existing manufacturing facilities. Monitoring of critical machine, process, or environmental parameters provide visibility and insight into the state of your manufacturing operations. With IoT connectivity this information can be viewed from anywhere in the facility and integrated into systems to track performance and drive predictive analytics to ensure uptime and productivity.

Why Smart Wireless Sensors?

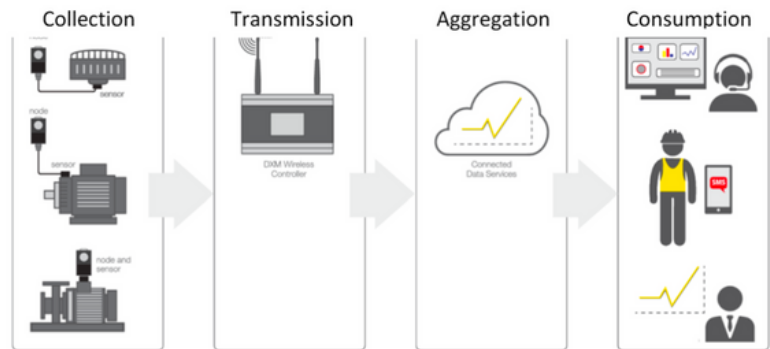
- Increasing process complexity
- Remote asset monitoring
- Prevent system downtime
- Improve quality & productivity

How is it accomplished?

- Diagnostic & status data
- Real-time data availability
- Condition-based maintenance
- Connectivity to analytics

Multiple Applications

- Motor vibration
- Temperature
- Fluid pressure
- Energy consumption



- IoT Connectivity
- Rapid deployment
- Equipment monitoring
- Data visualization
- Predictive intelligence



Thanks to Banner Engineering and Process Technology, Inc. for their support in highlighting their solution for wireless sensors and predictive analysis.



Additional Suppliers of Wireless Sensors for IOT

Balluff offers [Wireless Connectivity](#) for smart sensors and a [Condition Monitoring Toolkit](#) to create dashboards for monitoring parameters and creating predictive maintenance analytics that can help detect anomalies and provide predictive analytics to prevent unplanned downtime.



Monnit provides a variety of [Wireless Sensors](#) for measuring manufacturing systems as well as interior and exterior environmental conditions. This data can be consolidated with their [Remote Monitoring Systems](#) with a cloud-based and mobile-friendly interface for configuration, control, monitoring, and alarm management.

Phase IV Engineering carries a line of [Wireless Sensors and Dataloggers](#) for applications including manufacturing monitoring, environmental data, and structural health monitoring. Solutions range from historian and logging to predictive analytics.



PCB Piezotronics specializes in [Piezoelectric Sensors](#) for measuring parameters like pressure, strain, force, and vibration. Paired with their [Echo Wireless System](#), they provide a simple, effective, alarm-based vibration monitoring system.