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## Wireless Vibration Remote Monitoring

- Wireless and Battery Powered
- No Physical Access Required
- Magnetic Removable Base
- Extensive Analysis
- Email and SMS Reporting
- Data Access Online Platform on PC, Mobile, Tablet



Most of the machinery in plants run 24/7 under extreme environmental conditions. With Machine downtime costing thousands of dollars per hour, it is critical to have a solid predictive or preventative condition monitoring. Vibration monitoring is crucial in this process and contributes to a significant portion of condition monitoring.

### Applications

- Condition Monitoring, Preventive and Predictive Maintenance
- Monitoring Vibration of Motors, Transmission, Gearboxes, Pulleys, Blowers, Fans, Pumps, Compressors, Turbines, Critical Assets



**METALLURGY INDUSTRY**

Mill, Crusher, Mixing machine, Belt conveyor, Winch, Elevator, Various air fans, Pumps, Compressors, Steam turbine, Crimper, Decoiler, Silking machine, Temper Mill.



**MINING INDUSTRY**

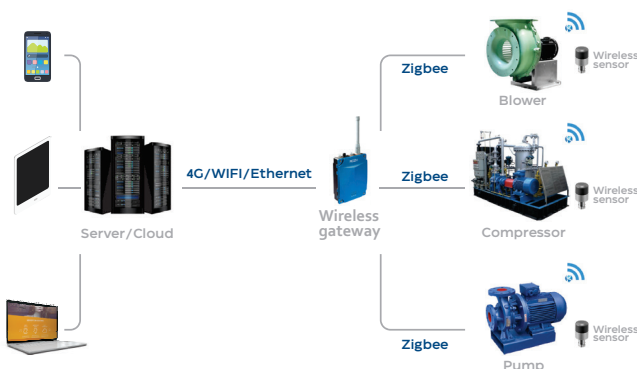
Various fans, Water cooler, Crusher, Conveyor, Ball mill, Screener, Agitator, Dust extractor.



**TRANSPORT INDUSTRY**

Gearbox, Bearings, Motors, Axleboxes, Wheels.

### Specification



- Simultaneous measurement of (Acceleration, Velocity, Displacement and Temperature).
- Spectrum / waveform representation of vibration Signal.
- Self-inspect function (Real time warning for abnormality).
- IP67, dustproof & waterproof.
- Utilizes Zigbee Communication.
- Designed for onsite use.
- Strong anti-jamming capability (Prevents being jammed from communication interferences).
- Easy Installation and maintenance.

### Remote Wireless Vibration Monitoring Benefits



Prevent unscheduled machine downtime



Remote real time monitoring from any location



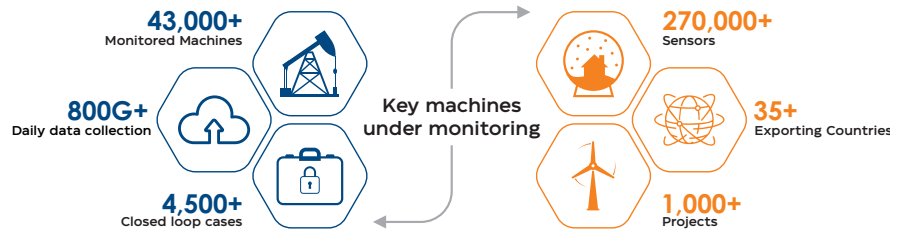
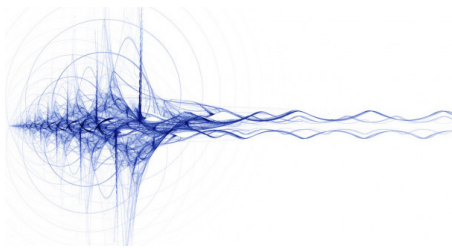
Reduce safety risk for onsite technicians and engineers



Avoid catastrophic failure by repairing or replacing components before failure (Equipment Predictive Maintenance)

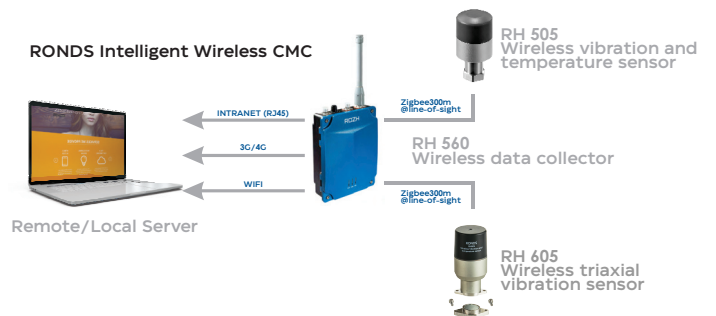
# Cost-Effective Wireless Condition Monitoring Solution

Catastrophic machine breakdowns are costly, especially when they are unexpected and critical to your production line. Staying one step ahead of your machines by monitoring and analysing their performance means that costly failures can be easily avoided.



## Wireless Gateway

- Capable of sending data to server using LTE/4G, WI-FI, and Ethernet
- High resolution data collection (Vibration & Temperature)

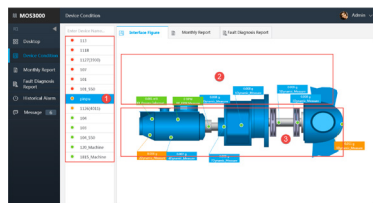
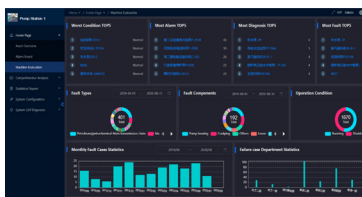


## Why Remote Vibration Monitoring Solution?

- Risk Elimination (dehydration, heat stroke, trip and fall hazard, dust and dirt and respiratory hazards, snake and spider bite hazard, noise, live equipment in vicinity)
- Save on Labour Cost by implementing Scheduled or Event Based Sampling Trigger
- Remote access to vibration data on any authorised device (PC, Laptop, Tablet, Mobile Phone)
- Instant sampling at any time (Real-time data)

## Advanced Data Analysis Platform

The online data analysis platform collects data from your key assets, providing a detailed insight on machine health to identify abnormal conditions, and prevent failures.



## Our Services

S5 System provides a wide range of Condition Monitoring and IoT Enabled Predictive/Preventive Maintenance Solutions.

### Installation

Our experts can support you with installation and operation of the solution.

### Training

We provide training to your staff on installation, maintenance and data analysis.

### Data Analysis

Our reliability team have over 30 years experience in analysing data.

### Server Hosting

Your data will be hosted on a secure, reliable and fast remote server on your premises, or on our Australia based Servers.

