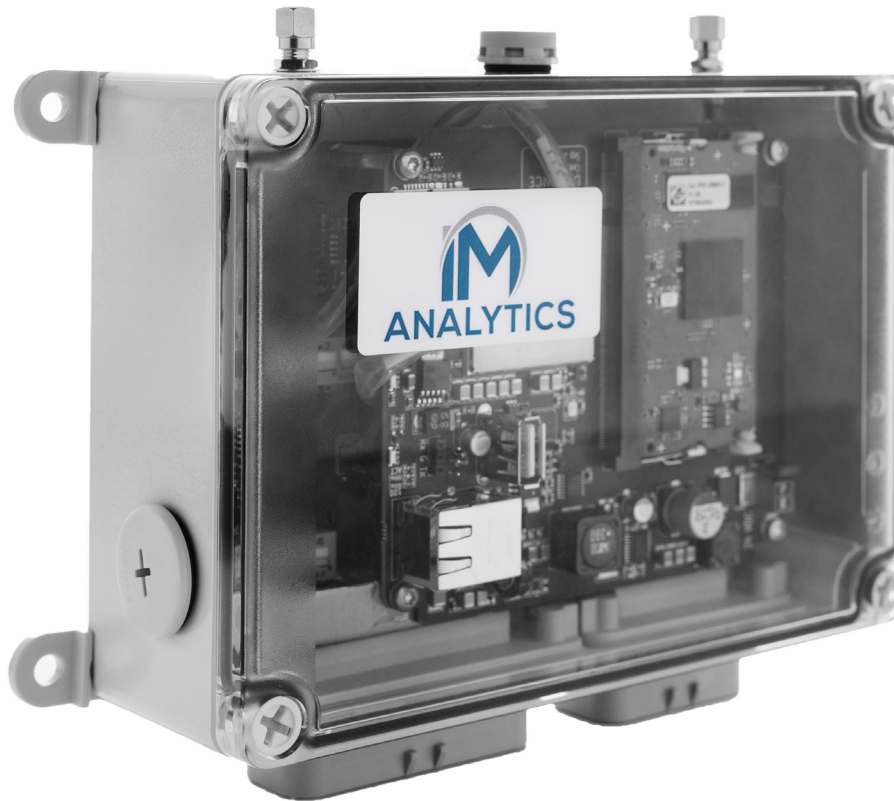




IMAnalytics

A condition monitoring solution



Online Condition Monitoring

IMAnalytics stand for Industrial Maintenance Analytics and is an online solution for condition monitoring.

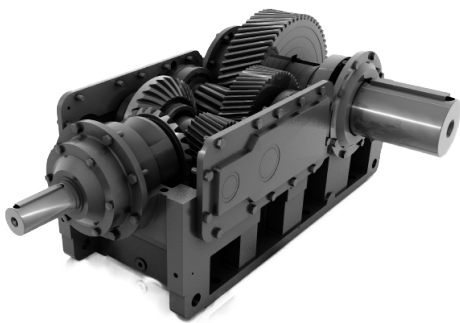
Every machine that rotates can be monitored. With IMAnalytics your rotating industrial assets can last longer, produce more and perform better. IMAnalytics is an online condition monitoring system that enables predictive maintenance by maximising machine health and minimise maintenance costs and failures in machines and processes.

By continuous monitoring of parameters in equipment such as fans, electric motors, pumps, gearboxes etc., failures can be detected early on; avoiding unplanned downtime.

This is complemented by our IMAnalytics service, which analyses incoming alarms and provides recommended maintenance measures along with possible root causes.

Examples of monitored metrics:

- Vibration
- RPM
- Temperature(s)
- Pressure/Flow
- Peak current
- Activity reporting
(running times & periods)
- Humidity



What can be detected?

- Bearing failures
- Mechanical
Imbalance, misalignment and looseness
- Blade pass frequencies
Debris build up / gradual fouling
Blade damage
- Temperature changes
- Performance decrease
- Changes in power consumption
- Running times, optimization of asset use



Easy (Wireless)

- For machines that are manual inspected visually or with “overall vibration level”
- Highly standardised, 3-axis vibration + temperature
- Easily applied to any suitable rotating machinery
- Sensors create a wireless mesh network
- Affordable and simple
- Easy installation
- Elevated vibration levels trigger alarms
- Standard view in IManalytics user interface
- Data topped by Forecast, Follow Features, and Trend Revealer



Advanced

- For mid-to-critical machines that require early detection and proactive maintenance
- Monitoring concepts for typical assets to ensure uptime
- Suitable for slowly rotating (<1RPM) as well as fast machinery and variable speed machines
- Special tools e.g., Lubrication Indicator to optimise asset management
- Early-detection of potential failures at early stage-optimize point of service
- Open sensor interfaces enable use of “commercial off-the self” sensors
- High frequency vibration analysis that can be withdrawn from the interface
- Combination of measurements e.g., vibration + oil + peak current + pressure + flow



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