

IIoT Solutions for Remote Condition Based Monitoring

Condition Monitoring & Condition Based Maintenance are proven maintenance management concepts. Early failure detection allows planned intervention, minimising energy use & preventing breakdown cost, disruption & safety issues.

PowTechnology offers over 30 years of expertise & practical experience in instrumentation & digitalisation, delivering IIoT solutions globally.

We have partnered with trusted industry specialists to deliver advanced, yet affordable, remote condition monitoring solutions, which continuously track & trend critical assets to protect your operations.

Condition based maintenance delivers so much more than planned maintenance (based on fixed time periods or hours run).

BENEFITS INCLUDE

- Automation of labour-intensive performance data capture.
- Rich data sets to automatically detect anomalies in performance.
- Root-cause analysis & defect elimination programmes.
- Diagnostic resource focussed on faulty assets rather than all assets.
- Planned responses to fault conditions.



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Condition monitoring and condition based maintenance impact directly on profitability by:

- Eliminating breakdowns & unplanned downtime.
- Minimising disruption & maintenance costs.
- Minimising energy consumption to reduce costs.
- Improving efficiency and margin.

PowTechnology's 30 years' expertise connecting sensors to the cloud, combined with specialist partners' data analysis & diagnostic techniques, deliver these benefit to your business.

Let us help you to:

- Select the parameters to monitor & the frequency of data points.
- Specify & install appropriate sensors & data collection equipment.
- Capture data under repeatable conditions, providing rich data for evaluation.
- Apply data analysis algorithms to detect 'out of normal' operating conditions & machinery faults for individual assets or fleets.
- Automatically flag up 'in exception' conditions against defined criteria.
- Provide advanced data analysis for fault diagnosis.
- Access experienced machinery engineers for remote advice & remedial action on site.

