



AI Conditional Monitoring

Hear a failure before it happens.

Motor Current Signature Analysis (MCSA) analyzes motor current while equipment remains in operation. It identifies patterns associated with developing faults, enabling predictive maintenance, less unplanned downtime and earlier intervention.

THE CHALLENGE

- Sensor-heavy monitoring can be costly and component-intensive.
- Reliable installation and interpretation require specialist experience.
- Conventional systems can be complex to deploy and slow to surface actionable insight.

THE SOLUTION

- AI-based algorithms connect current data to motor-health signals and early-stage fault detection.
- Straightforward installation and configuration reduce deployment complexity.
- Continuous learning improves the predictive-maintenance baseline over time.



SYSTEM COMPONENTS

- Condition Monitoring Device
- AI Software
- Dashboard

APPLICATIONS

Motors

Pumps

Rotating assets