



Condition Monitoring & Predictive Maintenance

Condition Monitoring (CM) and Predictive Maintenance (PdM) are the top return on investment (ROI) opportunities in manufacturing and industrial process applications. PdM delivers ROI in asset intensive industries including manufacturing and industrial process operations. Businesses need their assets to operate at full capacity with the lowest maintenance costs possible. CM and PdM allow this balance to occur. When asset condition data is integrated with maintenance and operations data, it gives a holistic, analytical view for predicting maintenance needs, operational anomalies, and business outcomes.

**Demonstrated at Texmark
Chemicals' Refinery of
the Future**

CBT Monitoring & Analytics

- Condition-indicating sensor monitoring (vibration, motor current, temperature, oil, ultrasonic, etc.)
- Predictive Analytics using Condition Monitoring and Operational data together
- Asset diagnostic tools
- Historian and CMMS implementation and integration, including work execution using connected worker
- Web-based dashboards with business and asset performance indicators

Business Benefits

- Increased production capacity
- Lower maintenance costs
- Streamlined asset management and visibility
- Lower insurance costs with improved control of assets
- Bridge between the digital and physical worlds to fully connect assets, with immediate access to all relevant data



Use Condition Monitoring to Bridge From Reactive to More Predictable Operations



Solutions



Run to
Failure



Condition
Monitoring



Preventative
Maintenance



Predictive
Maintenance



Proactive
Maintenance



Industries

Condition Monitoring and Predictive Maintenance have real-world applications across a multitude of industries. They build a bridge from reactive maintenance with low productivity and high costs to a more predictable operation. They are especially relevant in asset-intensive verticals such as Oil & Gas, Energy & Utilities, Manufacturing, Mining, Pharmaceuticals, Food & Beverage, and Chemical Processing; where they expedite decision making by providing real-time access to critical data and analytics.

How We Work



Start Lean

Reduce risk & uncertainty before you invest, implement and integrate into your operations



Be Agile

Employ agile-led thinking to help shape future experiences & innovate at speed



Drive with Data

Data insights, use cases, user interviews & testing to make informed product decisions



Build for Scale

Build an innovation & validation engine that anticipates enterprise scale & complexity

