ASSET PERFORMANCE MANAGEMENT , CORDANT™ PLATFORM

CORDANT™ ASSET HEALTH ANOMALY DETECTION

Format

Duration: 2 hours **Delivery:** Elearning

Who should attend

Technicians

Maintenance engineers

Objectives

- Navigate the Cordant AD interface and understand the end-to-end workflow for deploying analytics.
- Classify and configure assets, including shafts, bearings, and key operational properties.
- Add and manage machine properties such as rated speed, rotor diameter, and bearing clearances.
- Set measurement thresholds and configure run state tags to monitor machine status.
- Map and synchronize tags from System 1™ or other sources to ensure accurate data alignment.
- Apply extraction analytics to calculate key variables like 1X amplitude ratio and temperature ratios.
- Deploy performance analytics to evaluate asset efficiency, head, and other performance metrics.
- Select and clean historical data to train anomaly detection models, removing noise and shutdown states.
- Deploy anomaly detection models to identify deviations in asset behavior.
- Implement persistence criteria to reduce false alarms and ensure meaningful anomaly detection.
- Generate and classify anomaly events based on severity and rate of change.
- Identify machine operating modes using predefined tags to enhance contextual analysis.

Recommended Prerequisites

- System 1™ Experience
- Cordant™ Asset Health (AHM)

Program Outline

Program:

- Self-paced workshops using Customer's APM instance
- Access AD through AHM display
- Deploy and monitor Anomaly Detection