Prometheus APM: Closing the Maintenance Loop

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Speaker Introduction



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APM Background



Identify Early - Drive Resolution





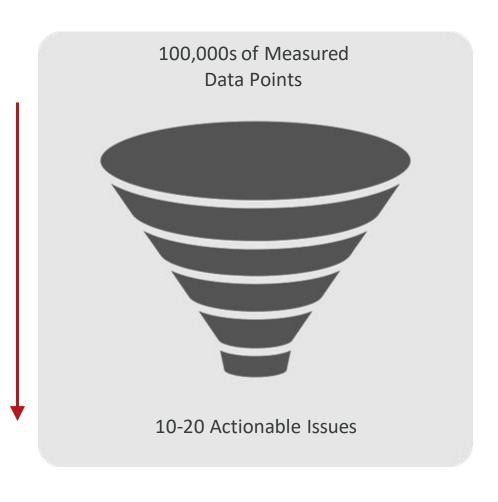
Detect



Diagnose

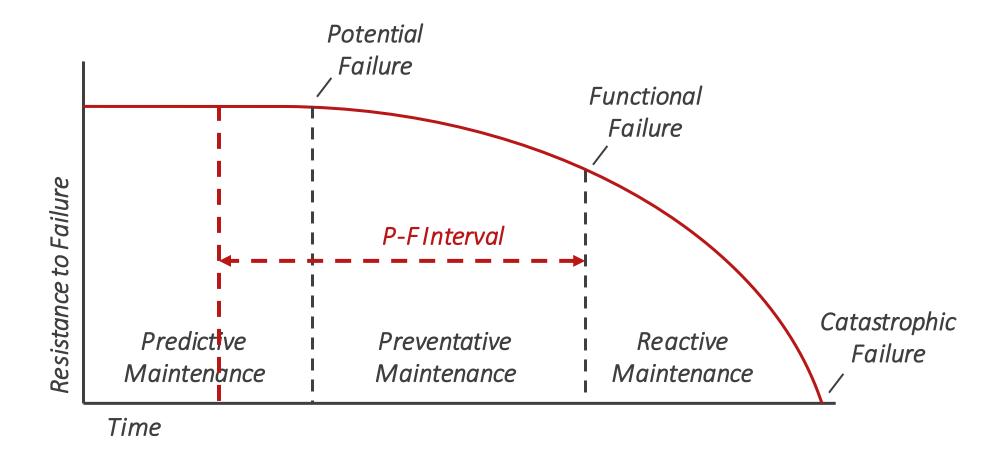


Resolve





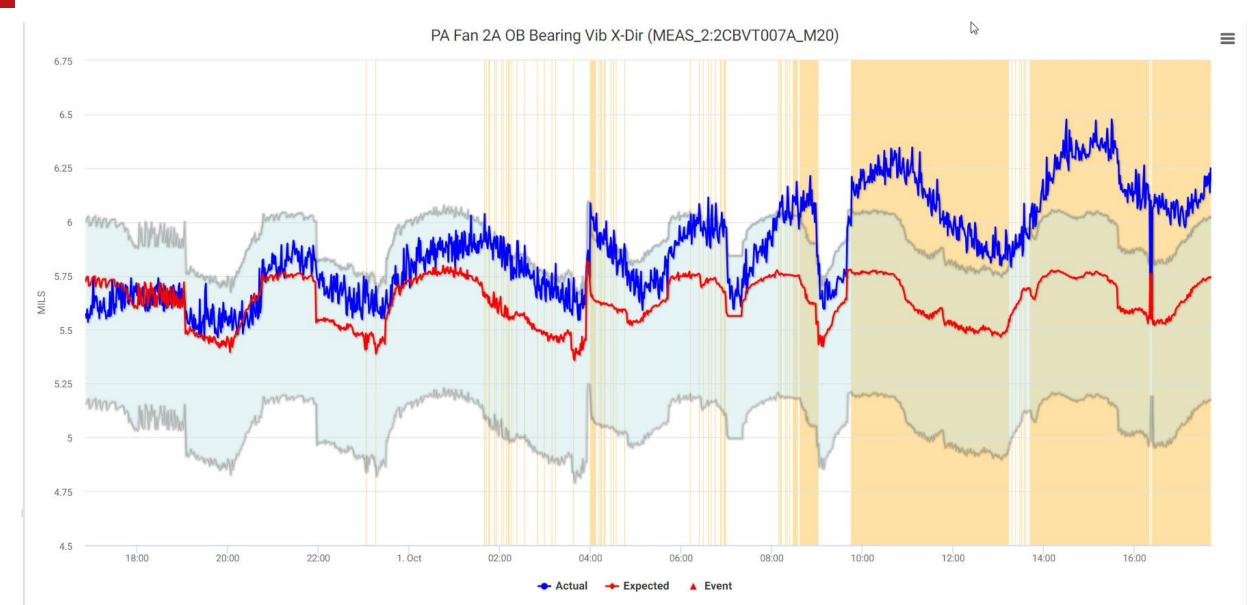
The P-F Interval



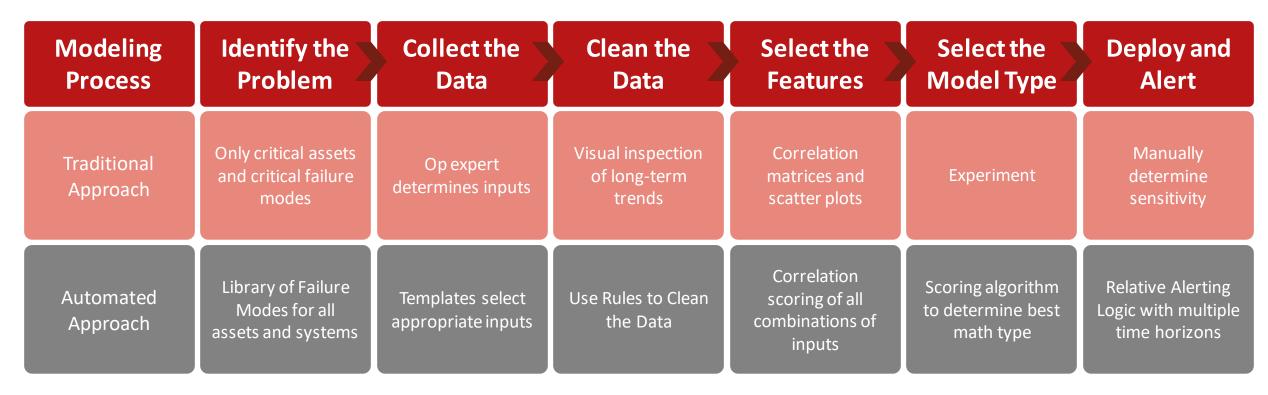




Identify Early



Templatize and Automate



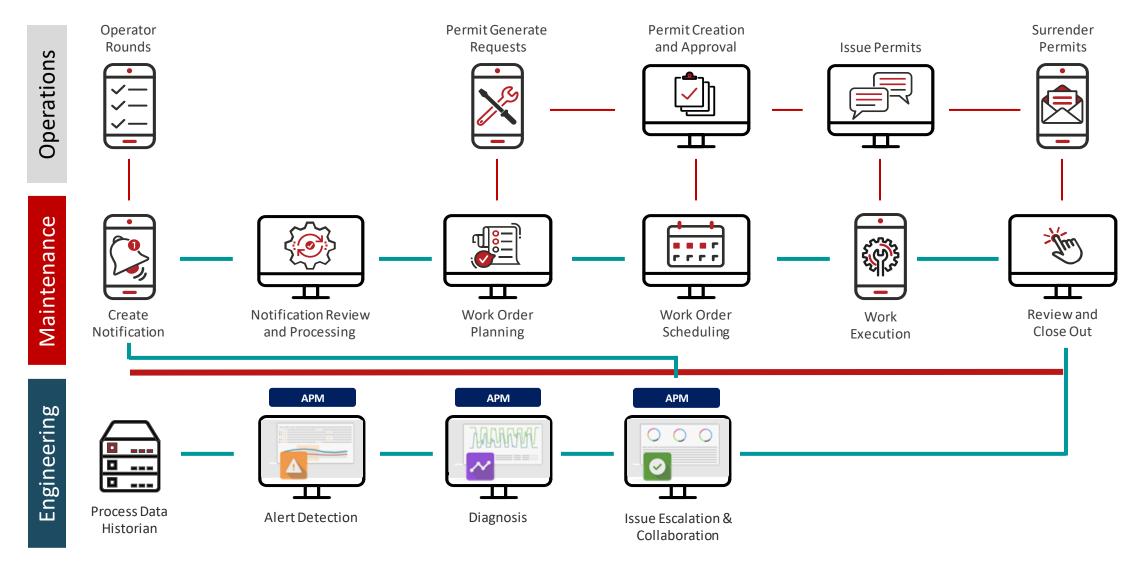
Project Start to full site analytics coverage in 1 month!



Closing the Loop



Connected Tools and Processes



SAP Integration



View open Notifications/WOs

Create Notification

Notification Updates

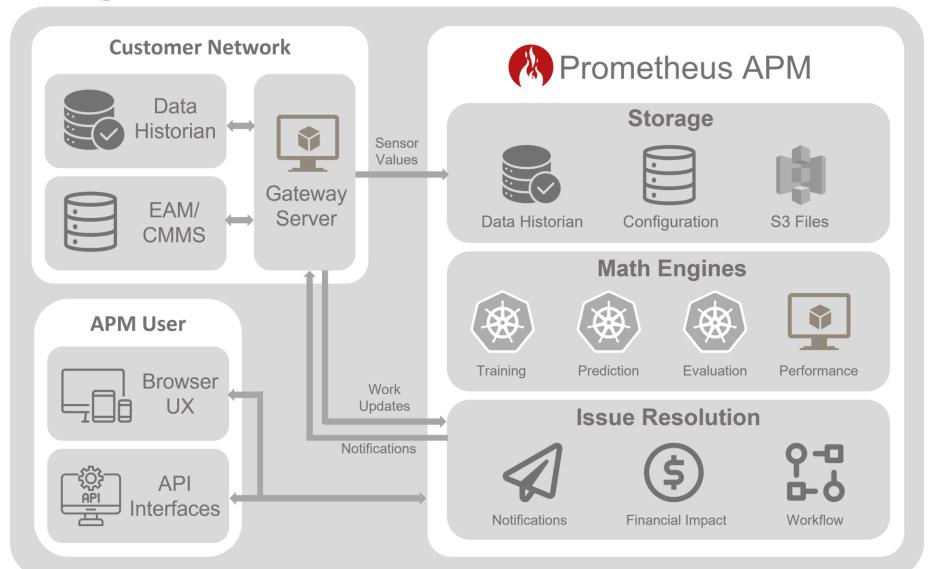
Issue Updates

Related Work Orders & Statuses



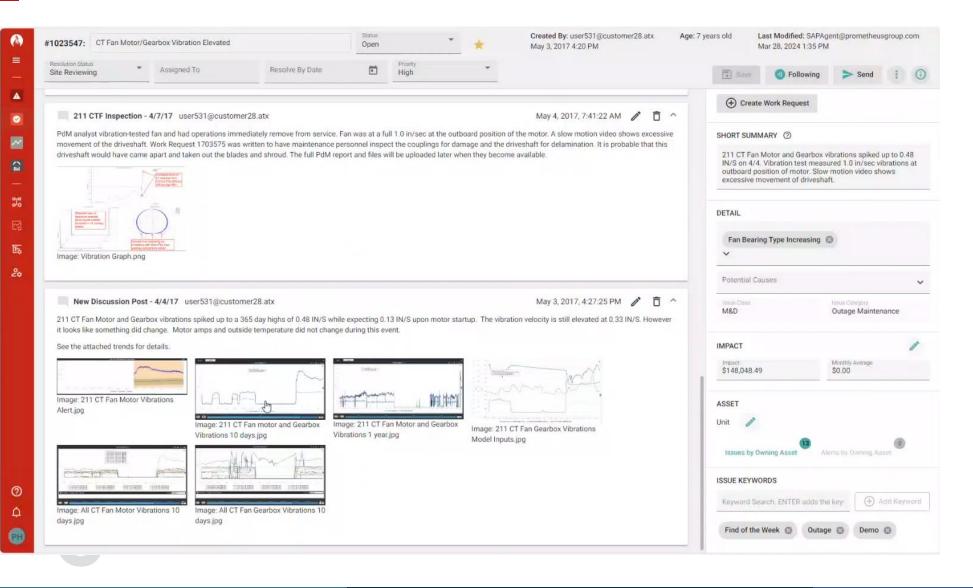


SAP Integration





APM - SAP Integration Demo

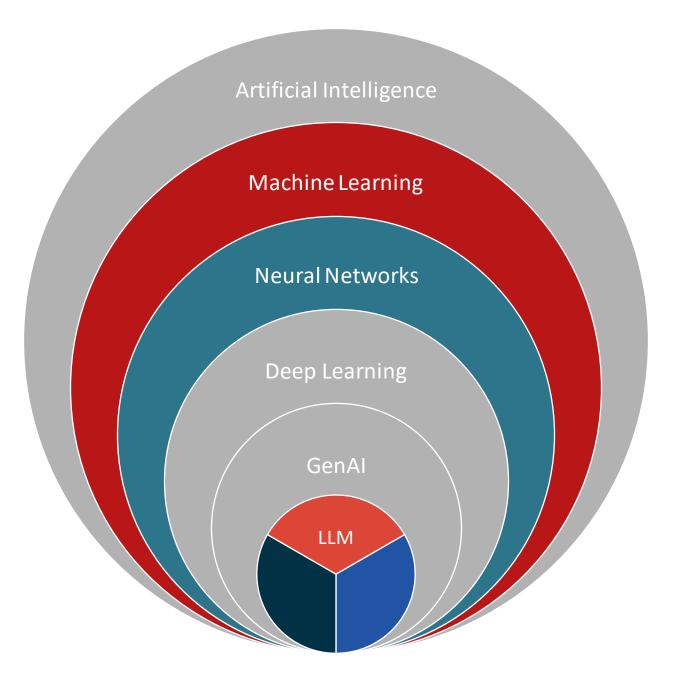


APM and AI



Prometheus AI

- APM Recommended Actions
- APM Predictive Analytics
- APM Diagnostics
- MDaaS BOM Analysis
- MDaaS Material Cleanse/Enrich





Prometheus AI

APM Predictive Analytics

- Learn Historical Operating Behavior
- Alert on Process or Reliability Issues

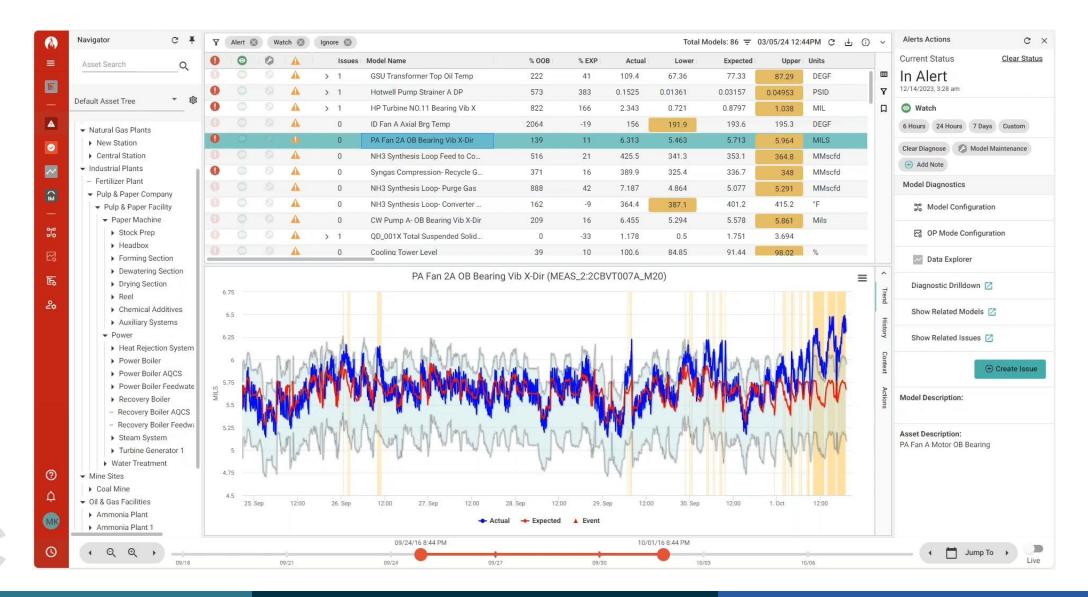
APM Recommended Actions

- What should I do with this Alert?
- Snooze, Escalate, Retrain Model?

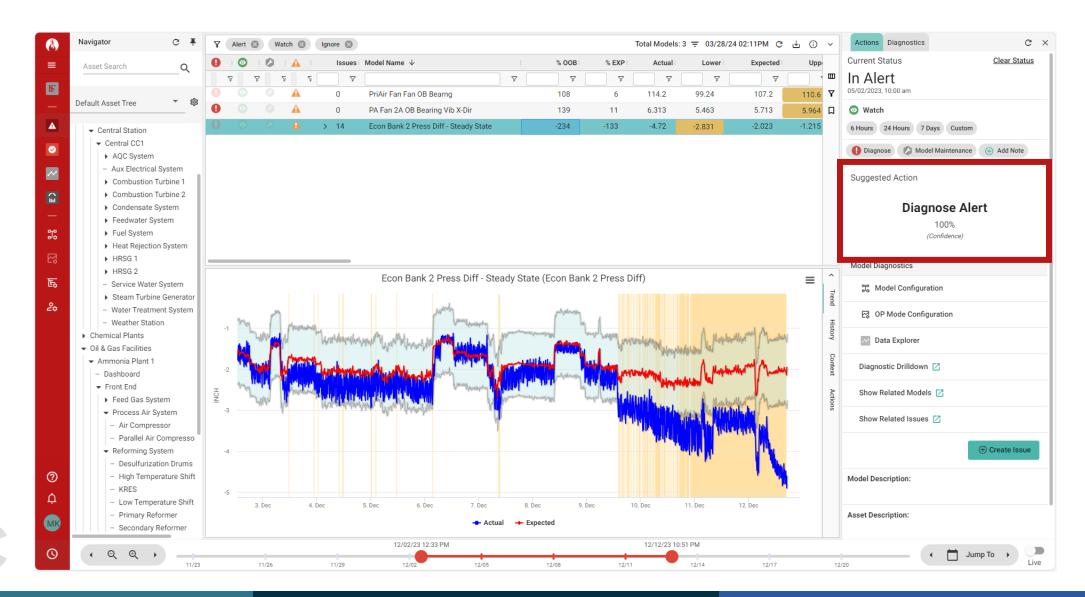
APM Diagnostics

- What's causing this Alert and What should I do about it?
- Possible Causes, Diagnostic Actions, Historical Issues, and Maintenance

APM AI Demo - Predictive Analytics



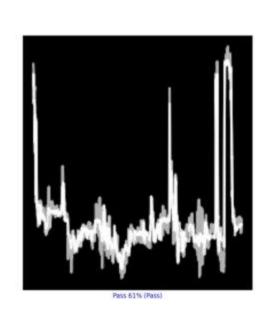


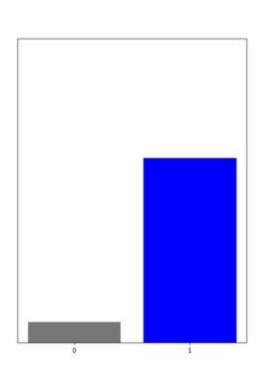


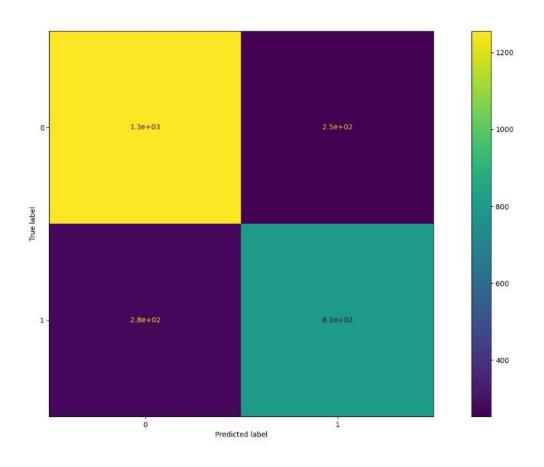














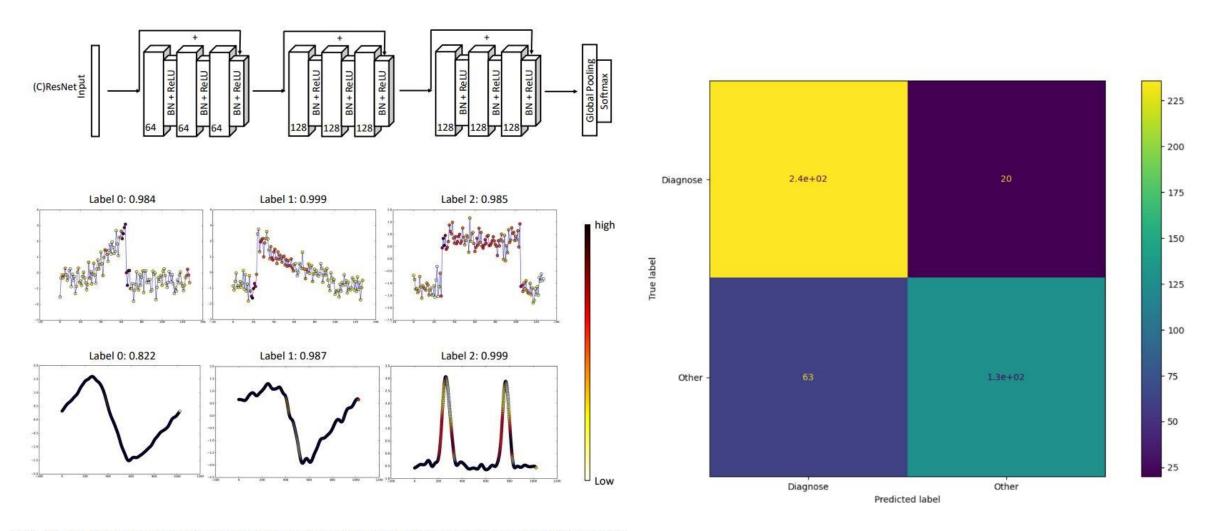


Fig. 3. The class activation mapping (CAM) technique allows the classification-trained FCN to both classify the time series and localize class-specific regions in a single forward-pass. The plots give examples of the contributing regions of the ground truth label in the raw data on the 'CBF' (above) and 'StarLightCurve' (below) dataset. The number indicates the likelihood of the corresponding label.

APM AI Demo - Generative AI (LLM)





APM Roadmap



Prometheus APM Roadmap



2024

Al Diagnostics

- Possible Causes
- Diagnostic and Mitigative Actions
- Historical Issues and Maintenance

Issue Management

- Al Issue Creation
- Maximo, HexEAM Integration

Implementation Enhancements

- Bad Status Awareness
- Suggested Alert Actions
- Updated Standards and Templates
- Import Op Modes
- Multi-model Creation

Calculated Tag Editing

 Build Simple and Complex Calculations

2025

AI/Smart Tools

- Al Trending Assistant
- AI-Assisted Trend Analysis (What's interesting about this trend?)

Deeper Diagnostics

- Symptom Based Cause Identification
- Action Recommendation

Issues Management

- Process Data association
- HexEAM Integration

Standards Editing

 UI for creation/edit of standards and templates

BEYOND

Asset Reliability

- Asset Criticality
- Root Cause Analysis
- Failure Mode Effects Analysis

Predictive Analytics Enhancements

 Process Data + Maintenance Records + Inspections + Lab

Roadmap items reflect current plans at the time of original distribution of this document. Items or timelines are not promised and are subject to change without notice. Recipient agrees not to share this slide or its content in any form beyond the originally intended audience.

Thank You!

Questions?



CONFERENCE CONFERENCE

EUROPE

Matt Kirchner – Chief Product Officer, APM