June 2026

IBM Maximo Application Suite

Asset Performance Management
What New in 9.2

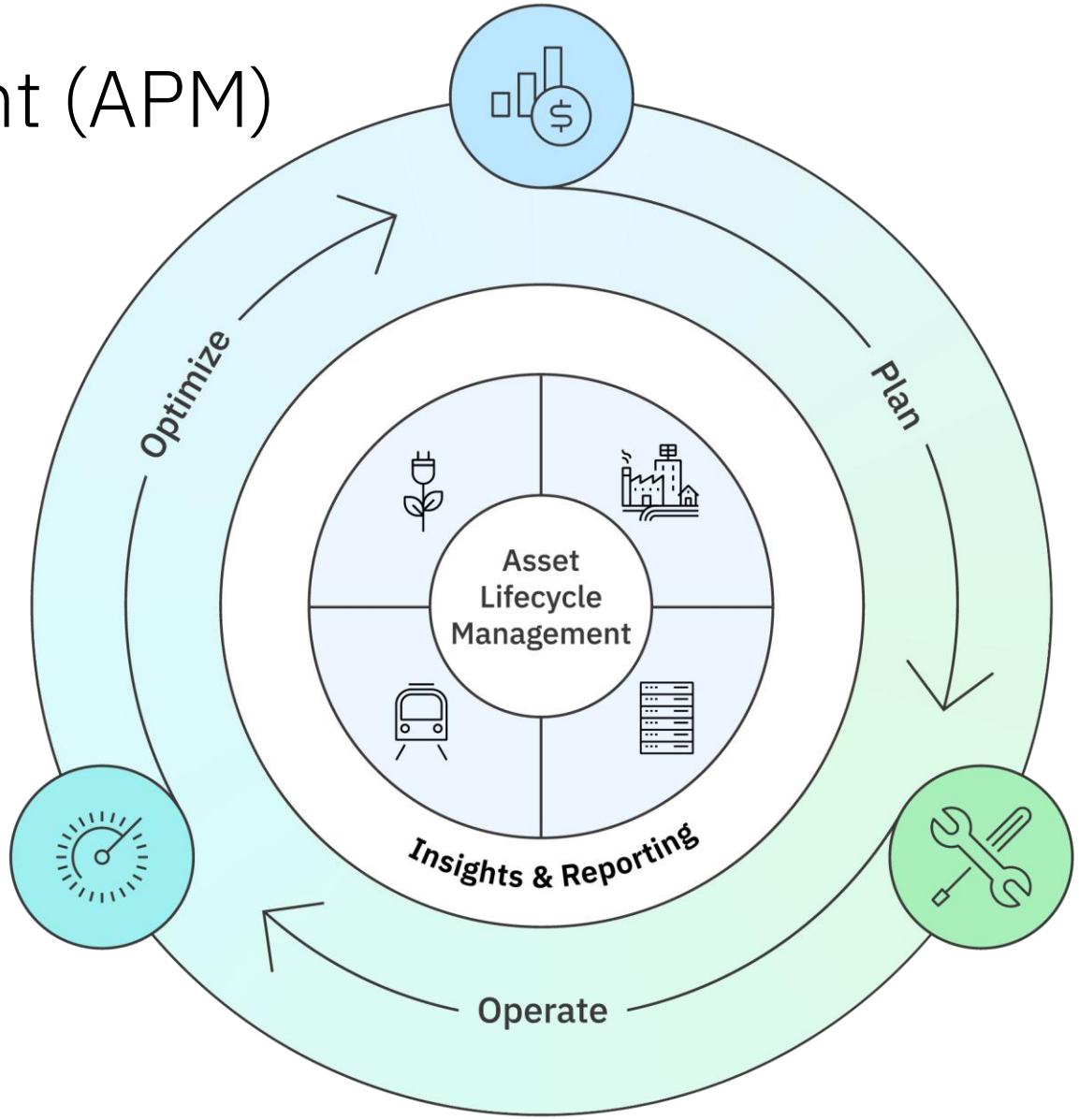
Work smarter not harder with Asset Performance Management (APM)

- Move from executing maintenance to optimizing outcomes
  MAS Manage controls the *work*; MAS APM optimizes *what work matters most* by continuously assessing asset health, risk, and business impact.

- Activate asset strategies—don't just document them
  MAS APM turns RCM, PM, and reliability strategies into living, adaptive decisions that balance availability, cost, safety, and risk every day.

- Turn condition and performance data into actionable WOs MAS APM converts real-time condition and performance insights into prioritized, risk-based maintenance actions—flowing directly into existing Manage workflows.

- Connect day-to-day operations to better planning decisions MAS APM closes the loop from Operate to Plan, feeding real performance, risk, and cost insights into maintenance investment and asset replacement decisions.



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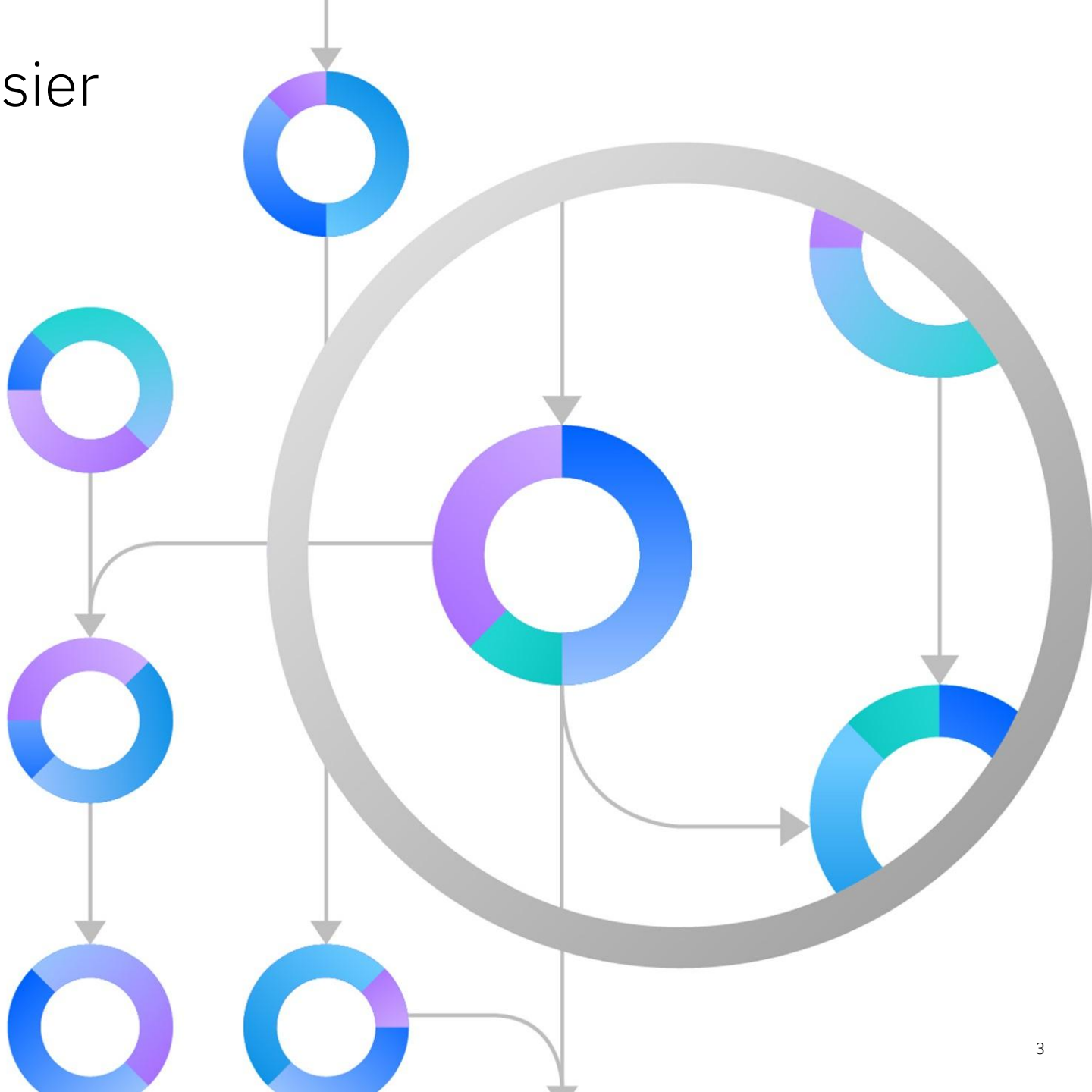
Getting started with APM is easier than ever before

- **APM is integrated into Manage OOB :** APM is integrated with Manage for a closed-loop experience out of the box; from Strategy to data-driven work management.
- **A new APM Dashboard:** the *Assets & Locations* dashboard is just the beginning, but it can already help you determine the *health* of your assets and the *risk* of failure to your business. This dashboard is installed by default for all Manage users and it includes pre-configured health scores, performance KPIs and handy analysis tools ready to use on day 1.
- **Configure & Extend when ready**: There are more APM capabilities available as your organization becomes ready to adopt a full intelligent and automated decision layer tailored to your operation.
- **APM is for everyone:** The maintenance practices enabled by APM are universal for all assets and industries and they are available to all MAS customers today.



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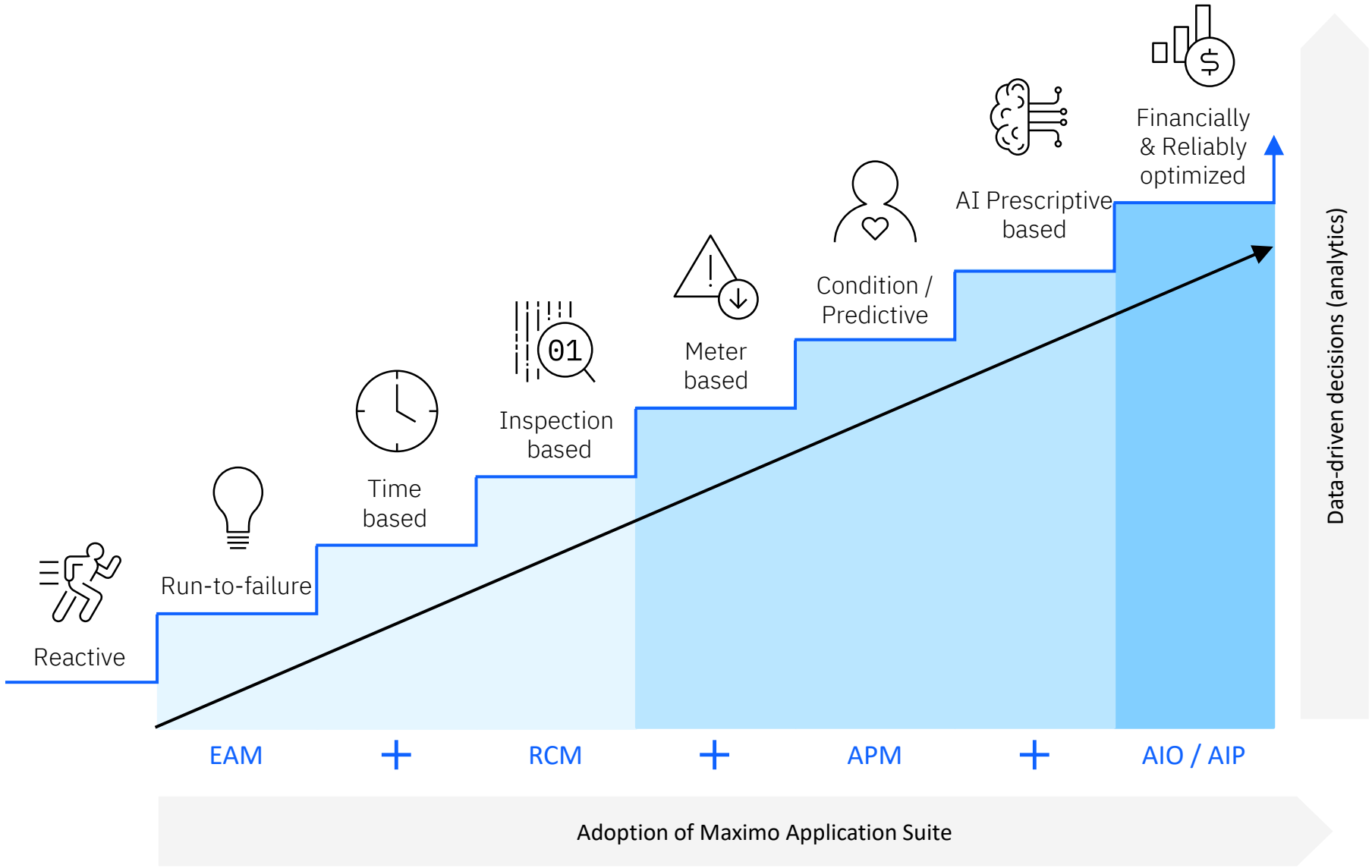
Asset Maintenance Practices

MAS goes beyond work management – it delivers an integrated solution that enables coverage of all types of maintenance practices.

With MAS APM you can understand asset failures and how to guard against them in the most efficient way so that you can only do the **right maintenance at the right time for the right reasons.**



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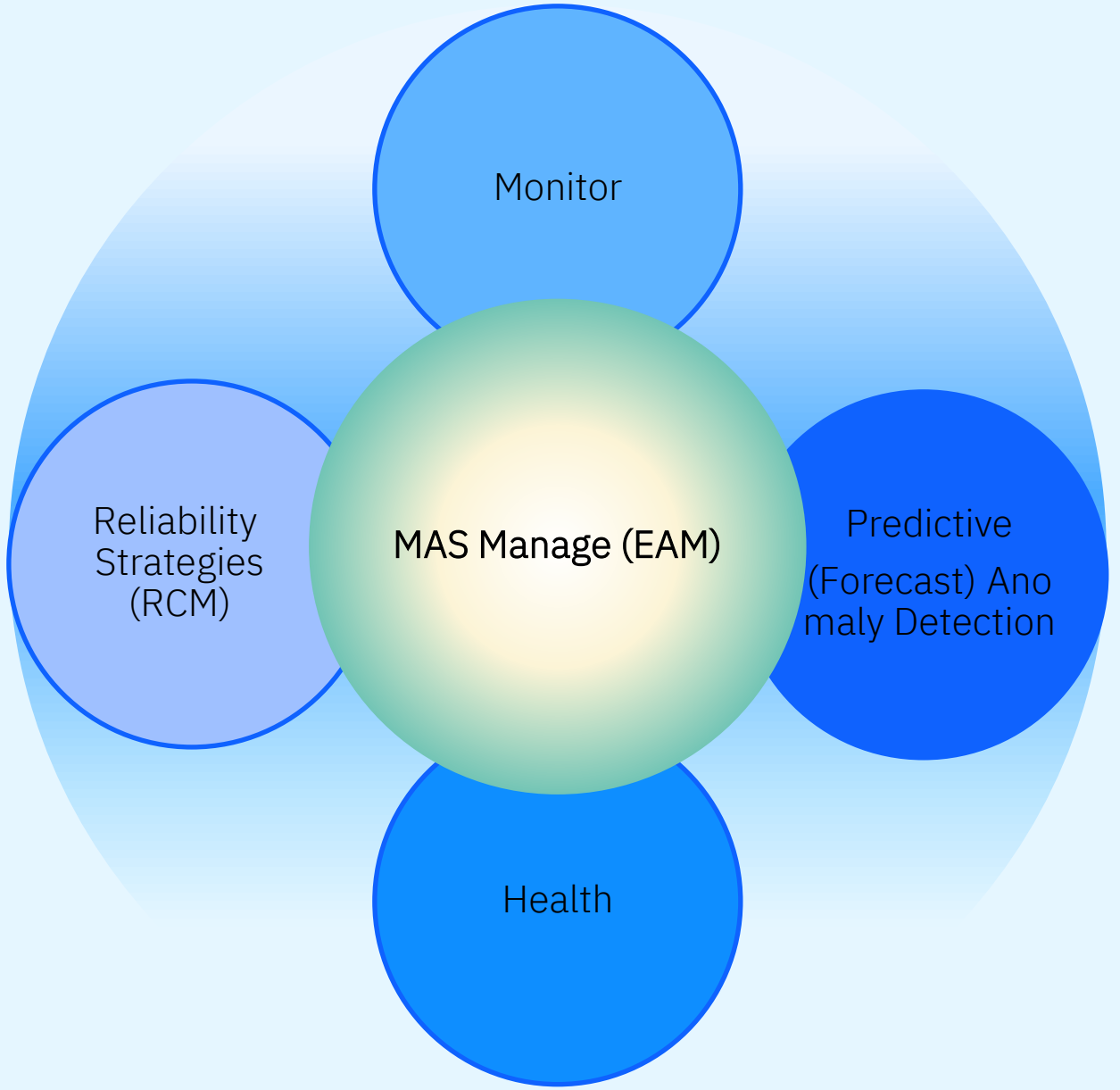
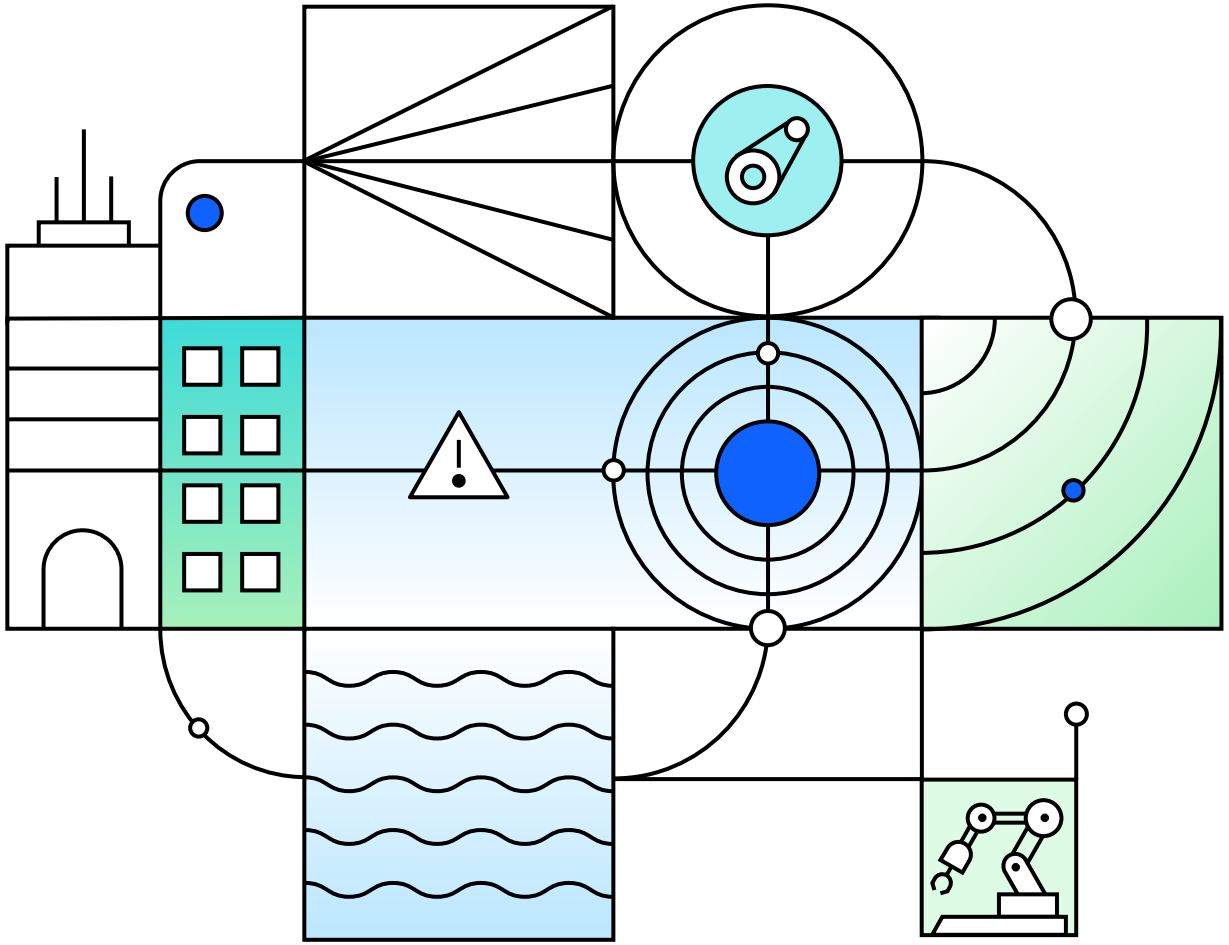
MAS APM Capabilities

- **Built on Maximo (MAS Manage):** APM is embedded throughout the suite for a closed-loop experience; from asset records to data-driven work management.
- **Health:** Analyze asset performance at scale, track performance targets, drill into operational data, alerts, identify optimization opportunities with 360° views of asset health, risk, probability of failure, and performance data. Take actions to drive continuous maintenance improvements.
- **Reliability Strategies:** Align maintenance strategies with business objectives faster through pre-built RCM strategies and AI tooling, with defined FMEAs, optimized job plans and tracking at the asset level.
- **Monitor:** Ingest and analyze asset data from the field using IoT sensors, PLCs, SCADA, protocol-specific connectors, or pick from the built-in device library with 1600+ pre-configured device partners. Leverage 100s of built-in functions and analytic models for data aggregation, anomaly detection, thresholds, multivariate models, alerts, custom .py models, event detection, data quality and more ...
- **Predictive Anomaly detection:** Train ML models to identify anomalies, forecast failures before they occur.



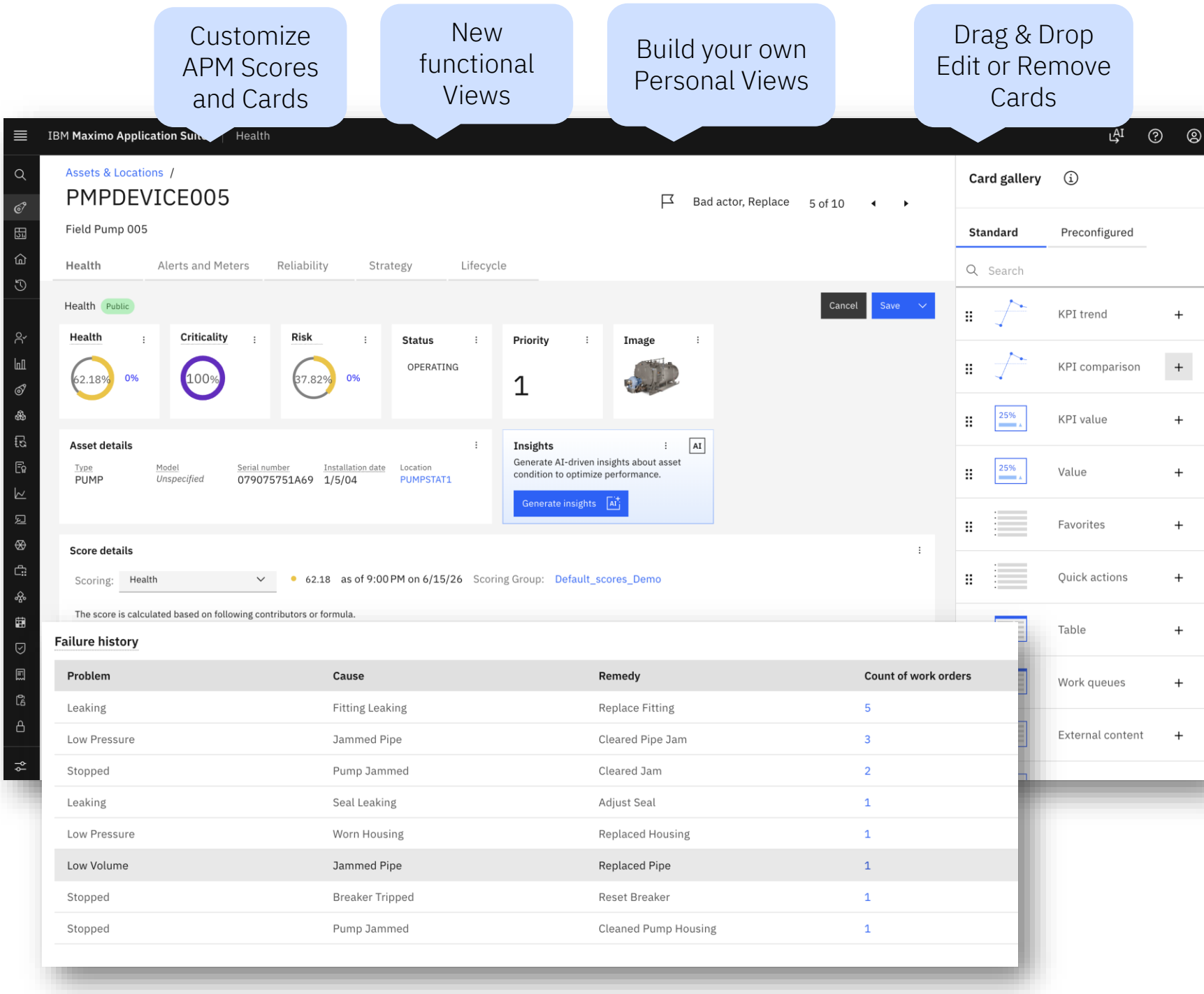
What’s coming in MAS APM v9.2

- **Unified Alerts & AI-Driven Insights:** Centralized alerting with de-duplication and suppression, combined with AI-powered insights, failure analysis, and prescriptive recommendations
- **Closed-Loop Strategy & Maintenance Execution:** Build and deploy optimized maintenance plans. Direct flow from insights to action with integrated work order creation aligned to FMEA mitigations
- **Advanced Analytics & Asset Models:** Built-in anomaly and multivariate analytics, probability of failure, DGA, and 47 prebuilt industry models for risk and lifecycle optimization
- **Modern UX & Scalable Monitoring:** Configurable dashboards, 20× faster performance, and high-scale edge monitoring with integrated data quality and flexible ingestion



Configurable APM Dashboard

- **Drag & Drop Configuration** for a tailored experience by role or preference
- **Redesigned** and reorganized into functional views
- **New Alerts and Meters** views for asset condition and Alerts
- **New Reliability** views for failure and incident analysis
- **New Strategies** views for tracking Reliability Strategies Implementation
- **New Asset Life** views for Remaining Useful Live and Probability of Failure Analysis
- **Performance** The scoring engine now uses batch processing and multi-threading architecture to calculate scores 20x faster and more efficiently.

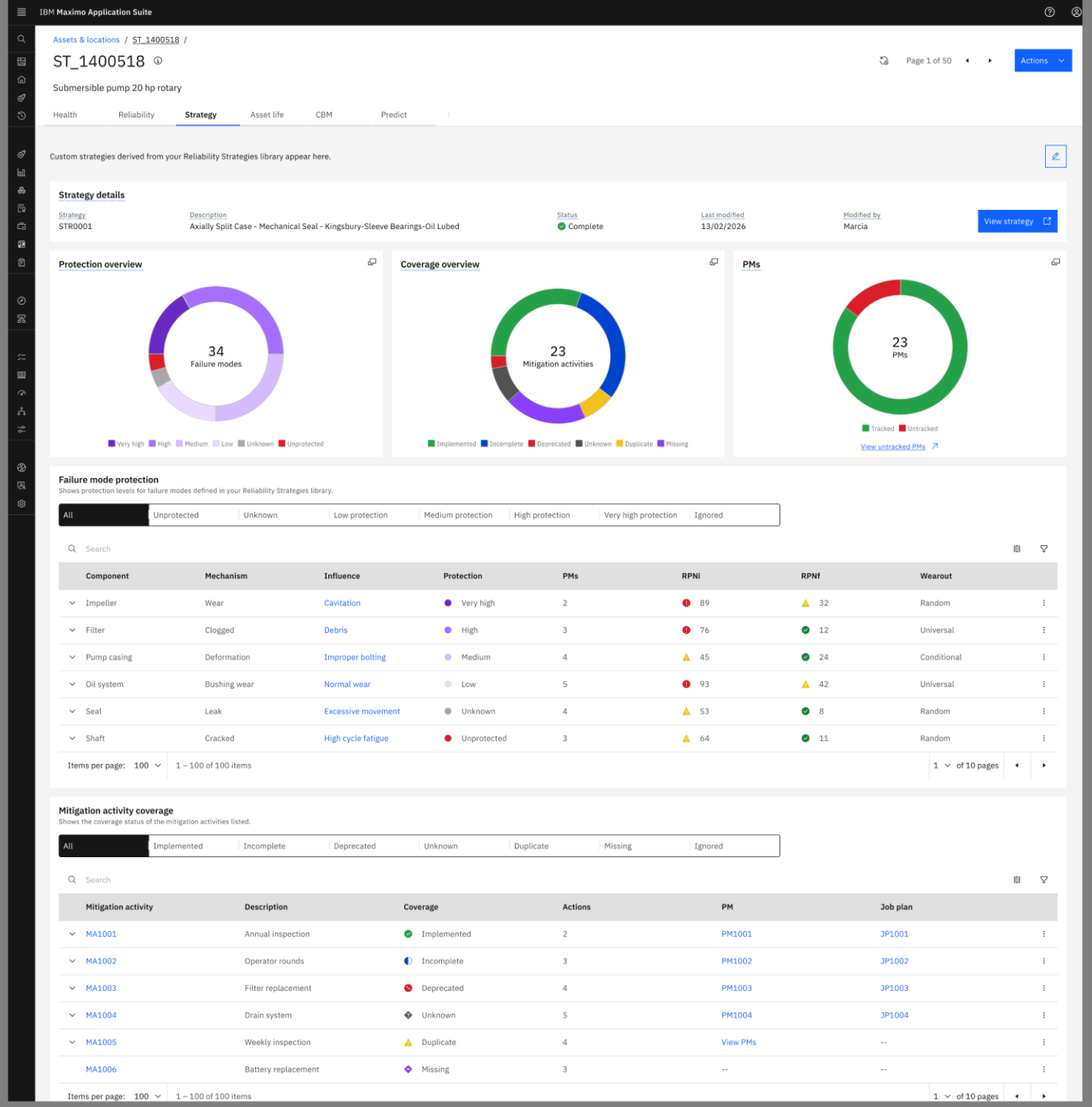


Reliability Strategies Implementation Dashboard

Check how well your planned maintenance guards against failure modes

Identify at-risk failure modes, and close gaps in your maintenance schedule.

Take action directly from the dashboard to create new Job Plans and PMs based on the Mitigation Activities defined in the Strategy.



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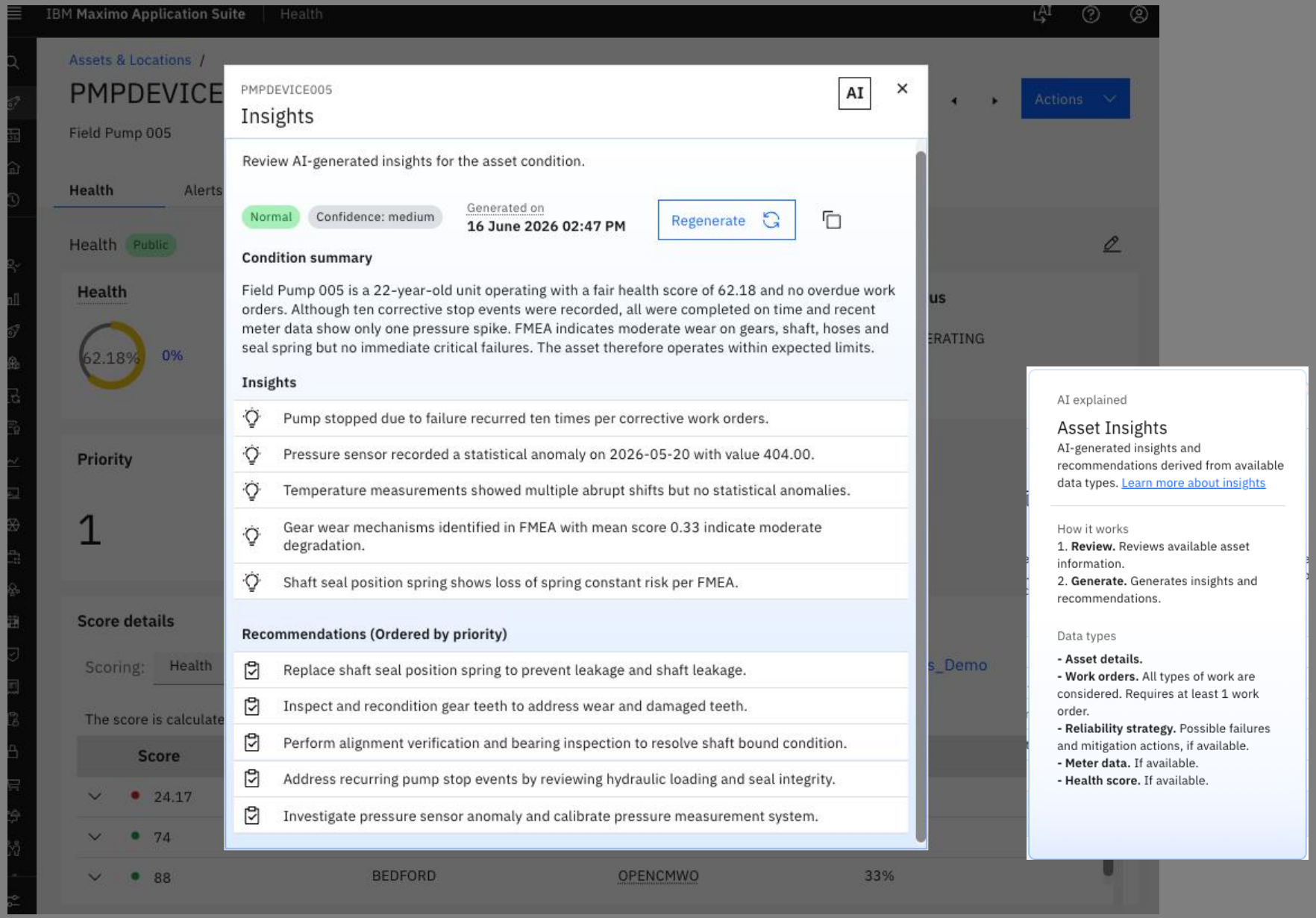
Condition Insights

Instant actionable insights
No manual configuration or analytics expertise required.

This intelligent agent analyzes all available MAS asset data including work history, meters, KPIs, FMEAs, and alerts to deliver clear, contextual insights in seconds.

Asset Managers gain clarity faster, reduce cognitive effort, and make better decisions without needing weeks of effort by data science teams to build complex analytical models.



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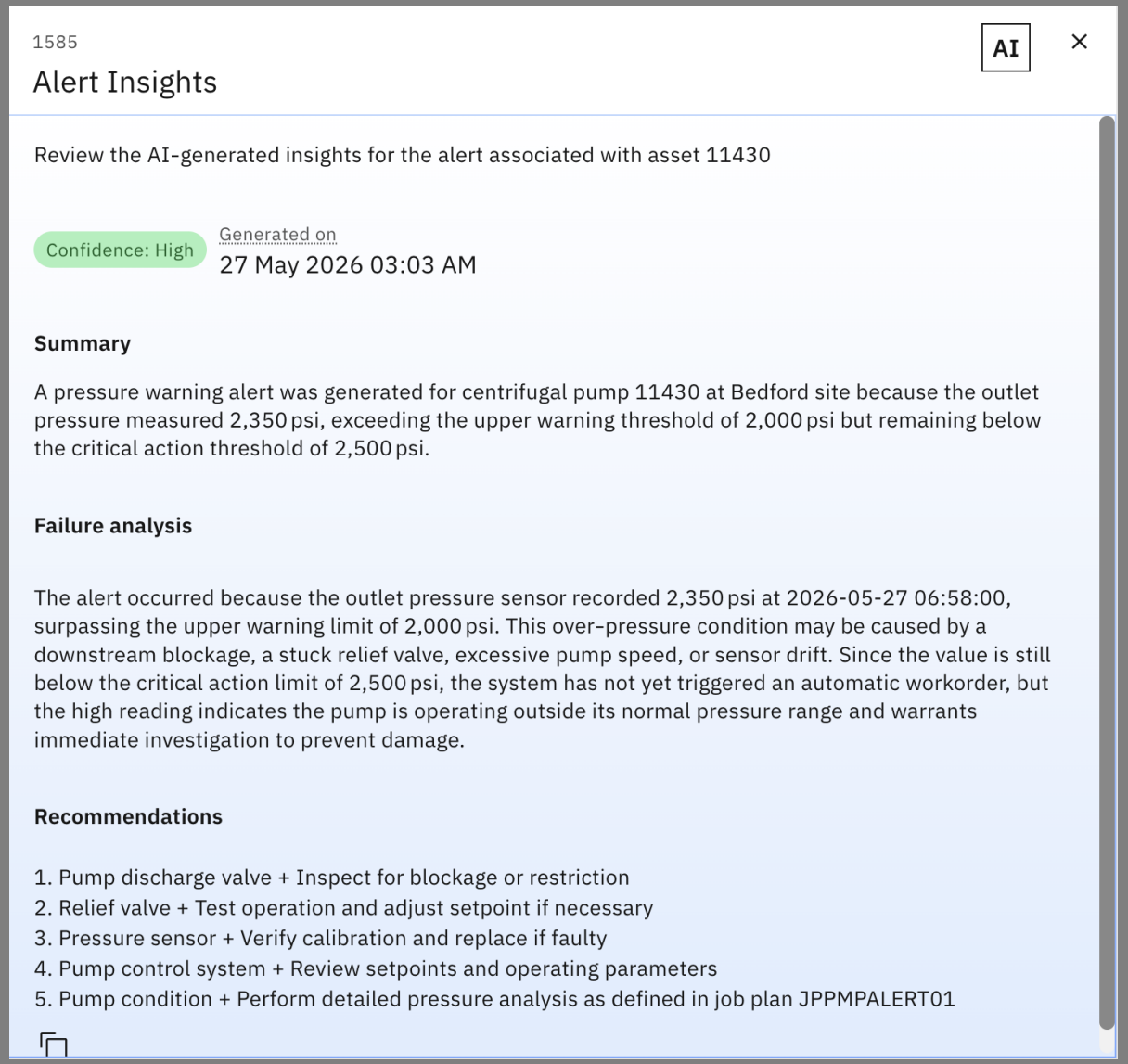
Alert Insights

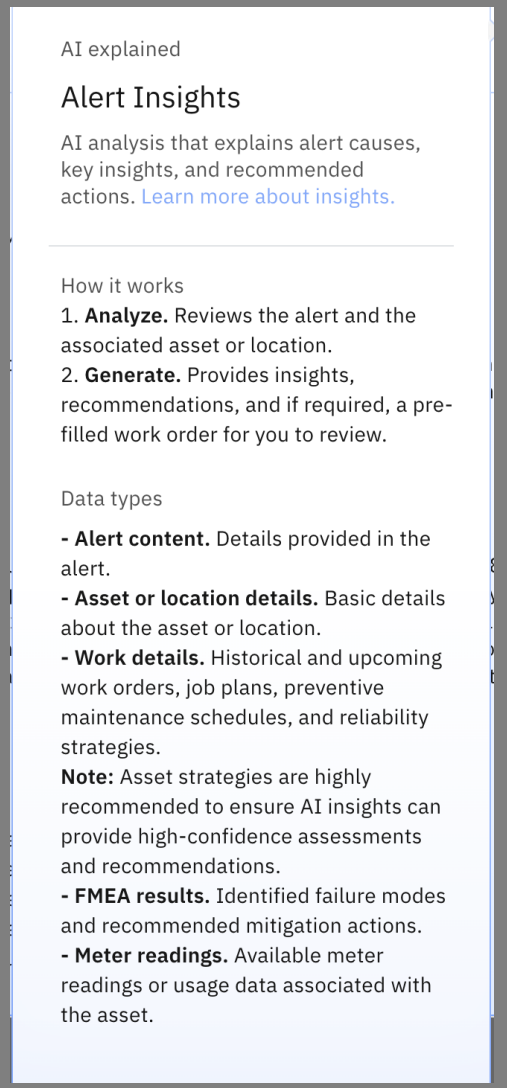
Turning Alerts Into Intelligent Maintenance Actions

Alert Insights interprets the event, analyzes it against known failure modes, and provides a context rich diagnosis of the likely problem along with actionable recommendations

How it works

- AI reviews the alert in context by analyzing asset, location, related alerts, and historical work.
- Generates intelligent insights using failure modes, recommended actions, meter data, PM schedules, and job plans.
- Recommends the best mitigation activities based on the most likely failure mode and available maintenance strategies.





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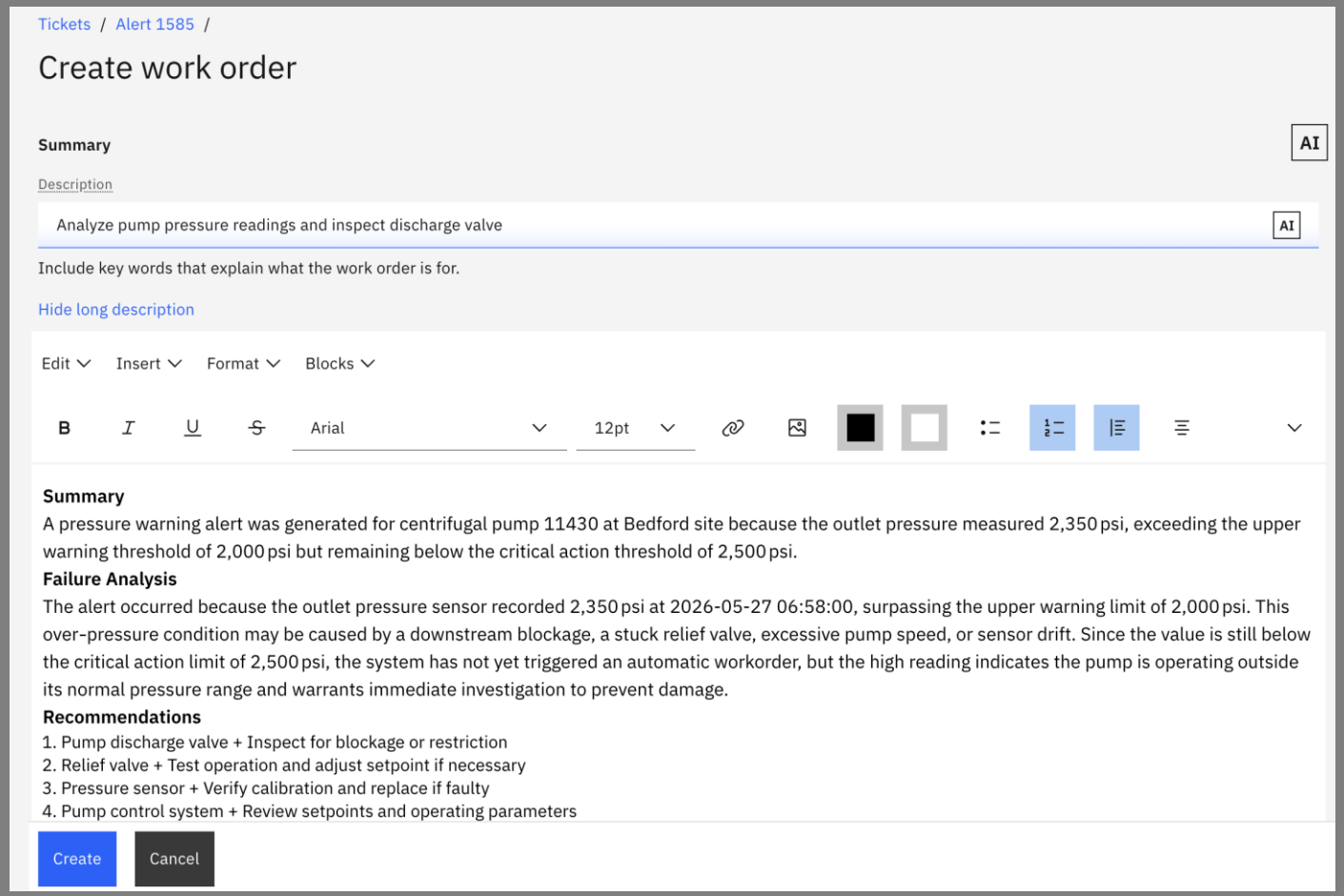
WO Integration

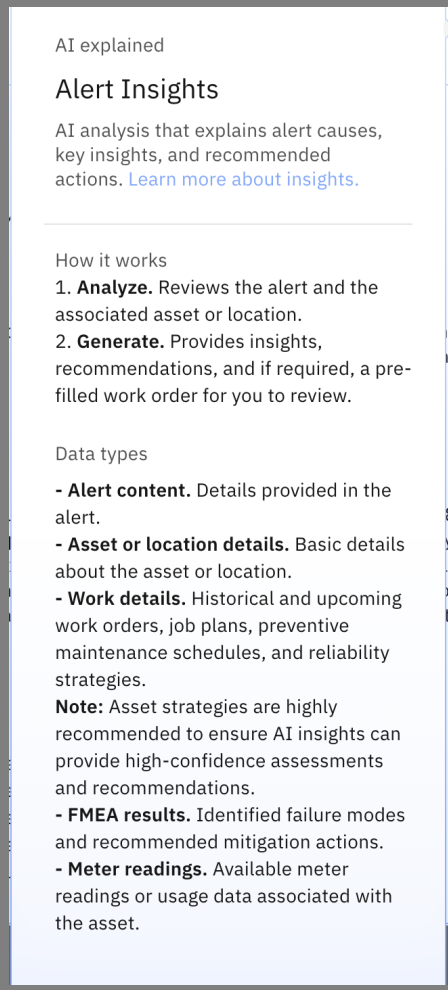
From Insight to Action in One Step

Once Alert Insights identifies the right job plan, it helps users translate that recommendation into action by enabling the creation of a Work Order directly from the alert.

How It Works

- Alert Insights analyzes the Asset Strategy to determine the relevant failure mode.
- The system recommends the most appropriate job plan based on the identified failure mode.
- Users can generate a Work Order directly from the alert, with Summary and Description fields pre-populated with recommended actions and insights.





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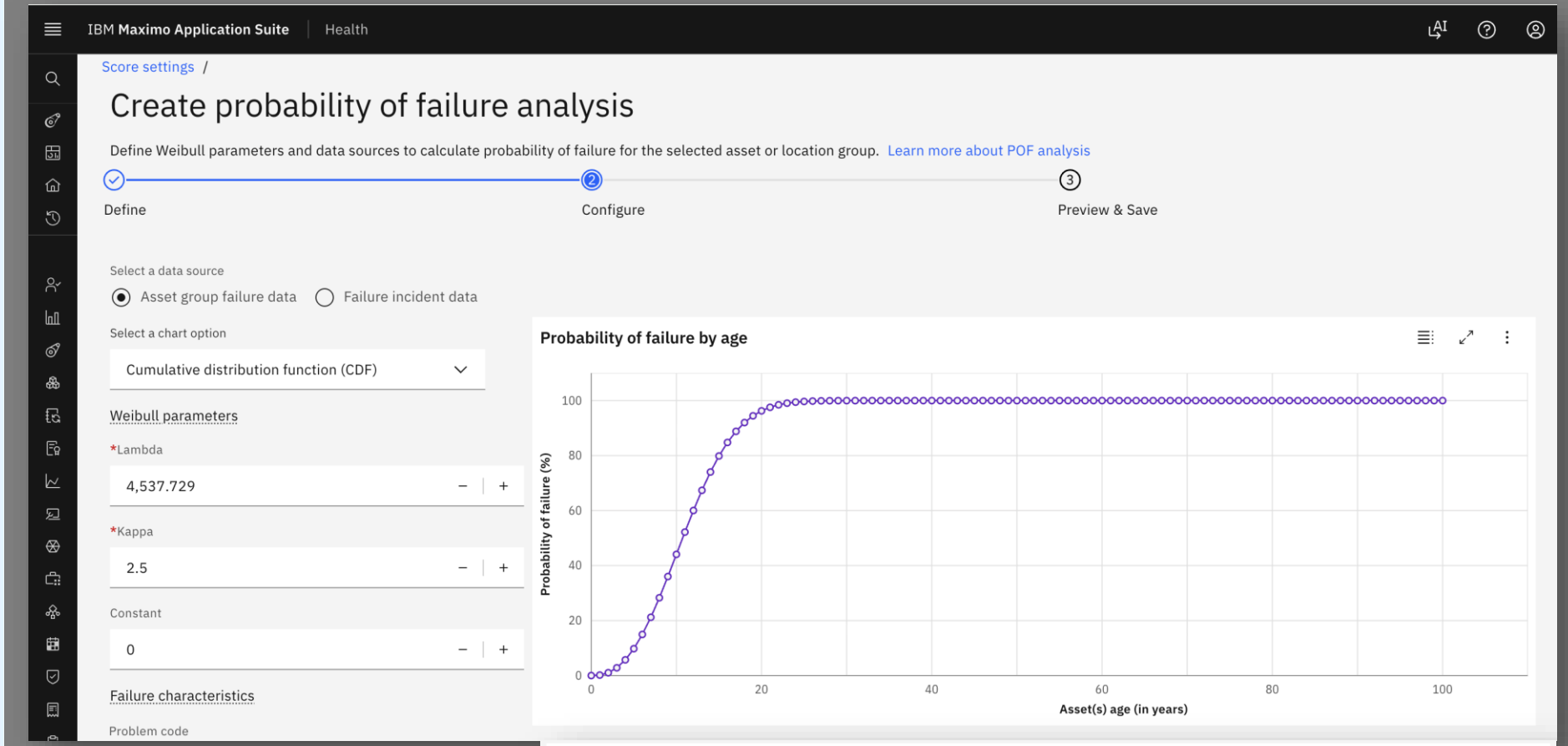
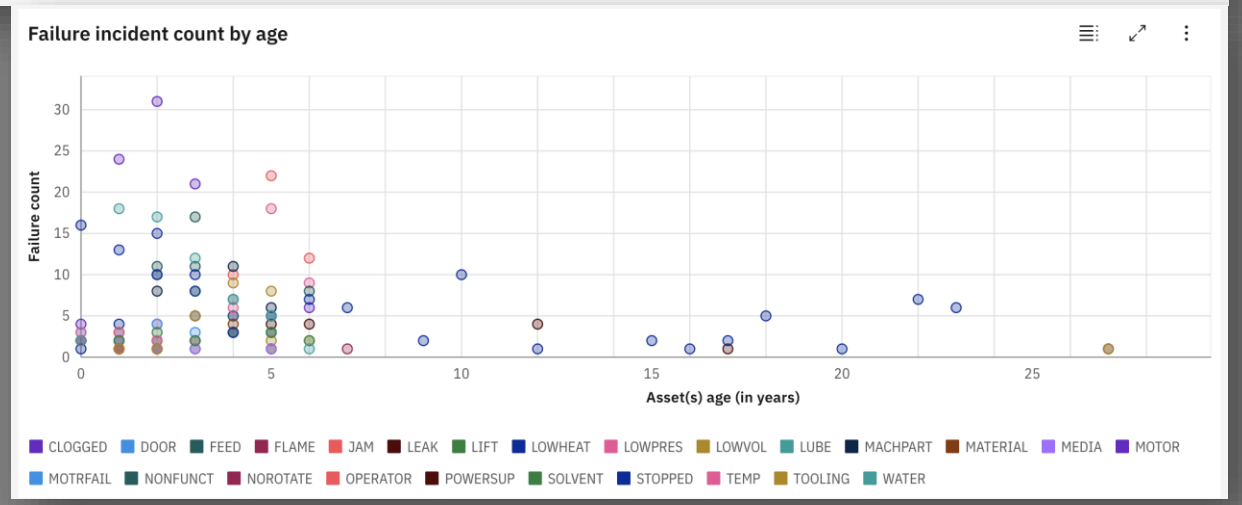
Probability of Failure Analysis

Probability of Failure (PoF) analysis estimates how asset failure risk increases with age, helping identify high-risk assets and guide maintenance, repair, and replacement decisions.

How It Works

- **Collect data:** Use historical failure data from asset groups or uploaded incident records.
- **Model failure:** Apply Weibull parameters to generate a failure probability curve over asset age.
- **Analyze :** Generate PoF charts (PDF, CDF, Hazard) to identify failure patterns and inform maintenance or replacement timing.





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Enhanced AI Strategy Builder

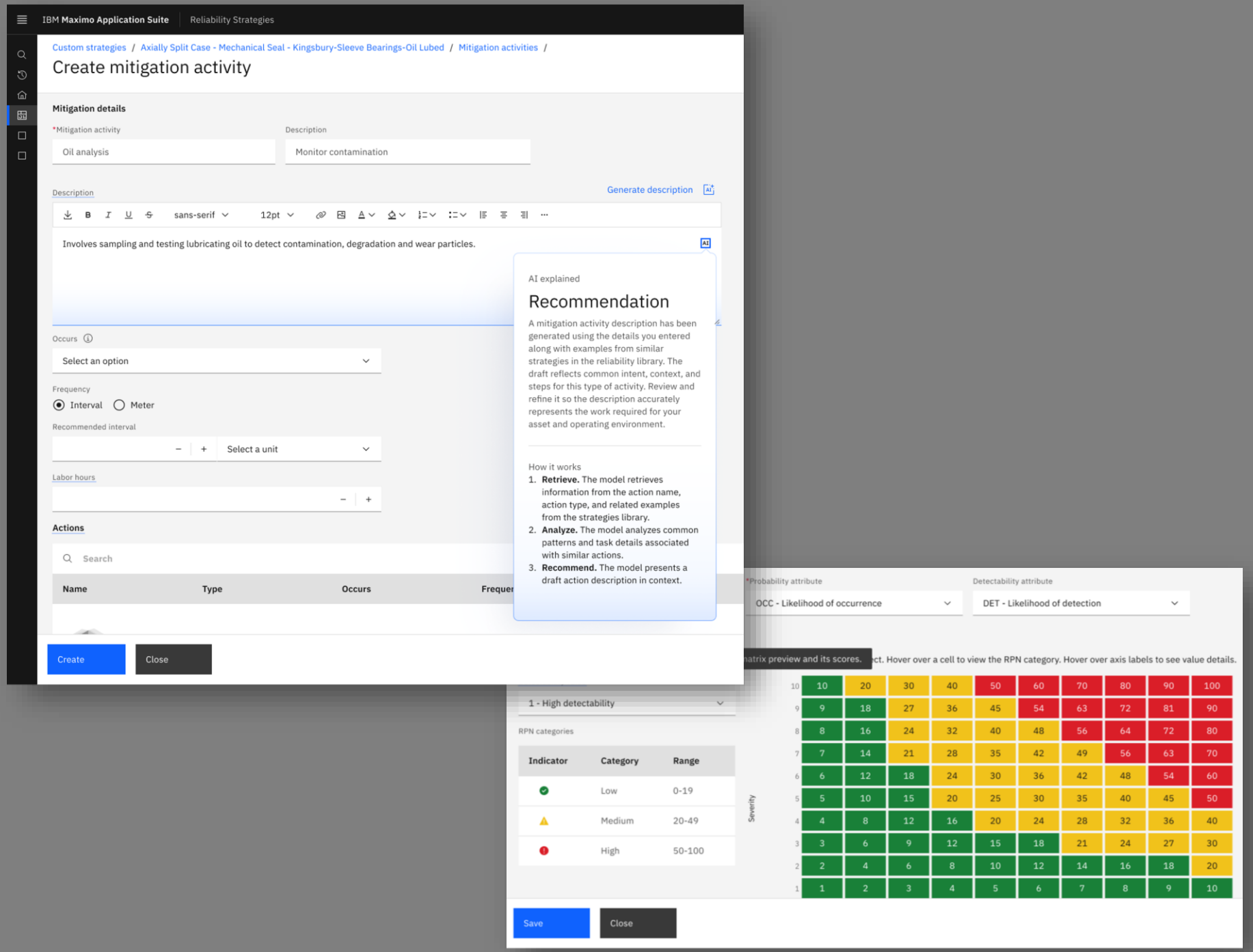
Create or customize strategy faster using expert GenAI or import/export strategies directly.

Create Job Plans , PMs, and Master PMs directly from mitigation activities within Reliability Strategies.

Apply your strategies to your Assets or Locations in Maximo and track their implementation.

Link failure modes, actions, and mitigation activities to your Maximo Meters to better document PM intervals and to quickly identify root causes.

Classify your failure modes with against your defined standards with custom risk matrices.



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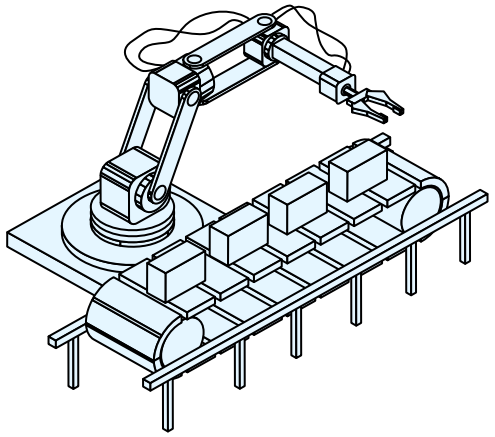
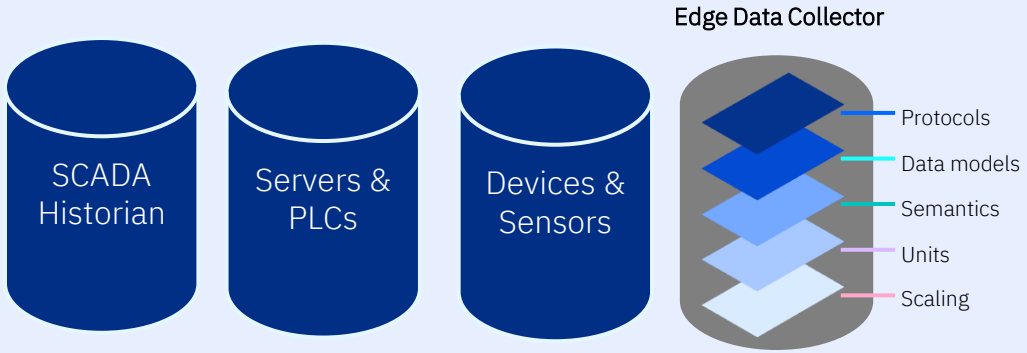
Lightweight Monitoring that Scales

- **Improved performance (x20) and reduced footprint (40%)** for streaming, and analysis of near real time data from IoT sensors, PLCs, servers, and historians.
- **Even leaner deployment option** offers the same powerful data ingestion and analytics for non-real-time data ingestion based on .CSV data transfers.
- **Reduce alert fatigue** through event-based detection and suppression (triggering alerts once per time or occurrence window), while providing data aggregation, anomaly and threshold detection, multivariate models, integrated data quality controls, and support for custom Python models and alert logic.

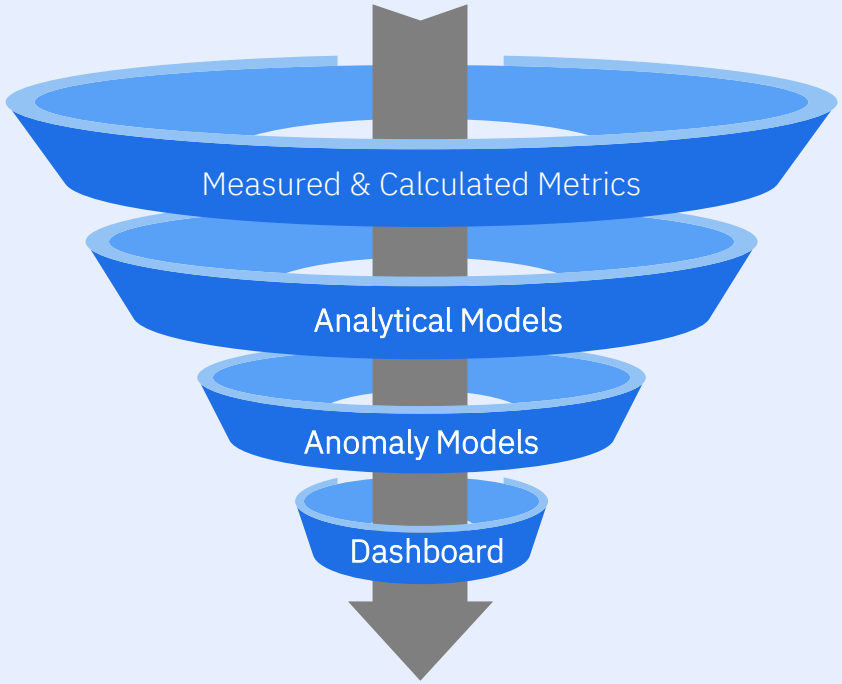


Supported Protocols with MAS Monitor:

- MQTT
- Modbus
- MTConnect
- BACnet/IP
- Ethernet/IP
- JSON/HTTP
- OPC-UA
- New CSV
- Coming soon DNP3
- New SNMP



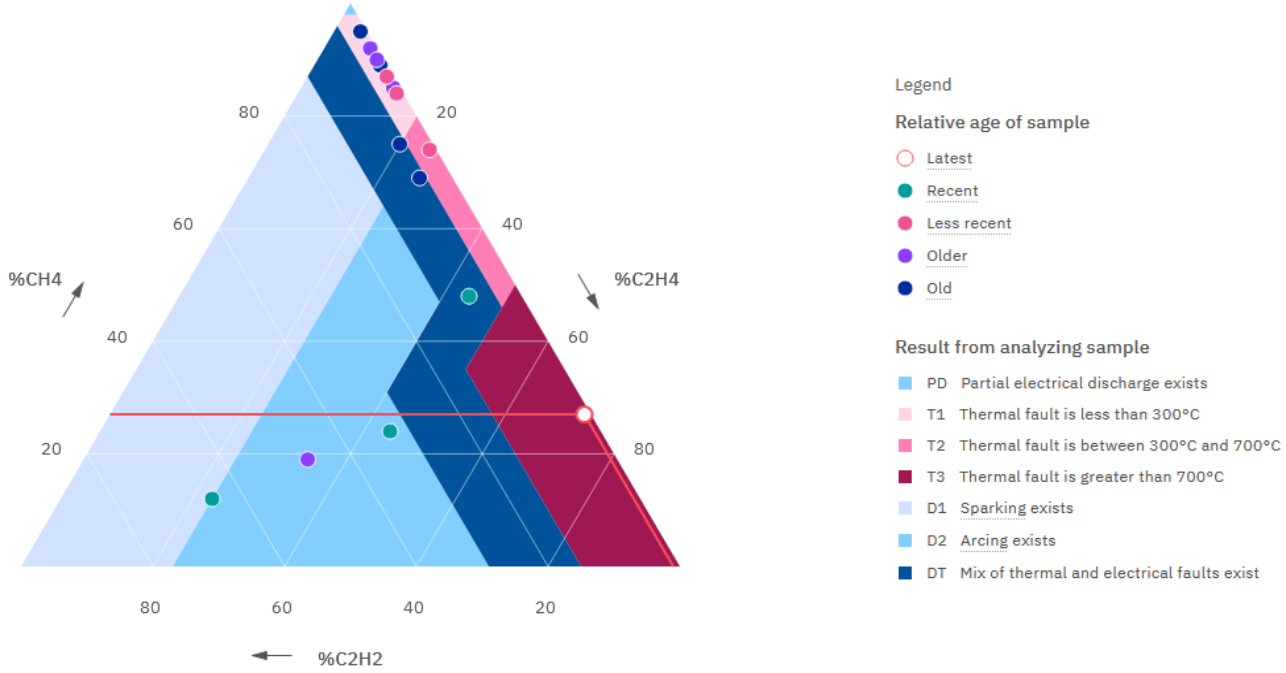
MAS Monitor



Alerts, Work Orders, Service Requests, Meters, Health Scores, AI Insights, and APIs

Enhanced APM Models and Analysis

- **Industry Accelerators -** 47 Scoring Models for Electrical Distribution and Transmission: Health, Criticality, Effective Age, EOL Probability, Risk
- **Dissolved Gas Analysis** for transformers using Duval triangle visualization
- **Weibull Distribution** Analysis for Probability of Failure



Transformers:
Distribution and transmission (TFO), instrument (current, voltage, AIS oil), tap changers (including DGA), bushings

Circuit Breakers:
Air blast, air magnetic, oil, vacuum, SF6; AIS and GIS (hydraulic, pneumatic, spring); CUB (spring); gas compartments (AIS, GIS, CUB), control cabinets (hydraulic, pneumatic, spring)

Disconnectors:
AIS and GIS (electric); earth disconnectors (AIS and GIS, electric/manual); SS and SS+SAT

Switchgear: GIS

Transmission – Overhead:
Conductors, HV spans, guard and earthing wires, wood poles, metal structures, electrical and guard hooks

Transmission – Underground:
Cables (HPFF, MI, XLPE, SCFF, SCGF), underground conductors, cable terminals, manholes

Support Structures:
Metal towers, concrete towers, wood poles

Components:
Conductors, MI cables, SCFF cables, cable terminals

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Key Take-Aways

You can start with APM today
APM is integrated out-of-the-box with Maximo Manage, delivering immediate value through a pre-installed Assets & Locations dashboard, built-in health scores, risk indicators, and KPIs. Customers can begin improving decisions on day one using existing asset, work, and inspection data.

APM turns maintenance strategy into daily, automated action
MAS APM continuously assesses asset condition, performance, and risk — converting insights into prioritized, prescriptive maintenance actions that flow directly into Manage workflows. This closes the loop from strategy to execution and ensures work is focused where it matters most.

Designed to scale as maturity grows
Built on Maximo Application Suite, APM supports a phased journey — from dashboards and CBM today to advanced AI, prescriptive analytics, visual inspection, and AI agents tomorrow. Customers adopt at their own pace while leveraging a shared platform, data model, and AI services across EAM, APM, and RCM.


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