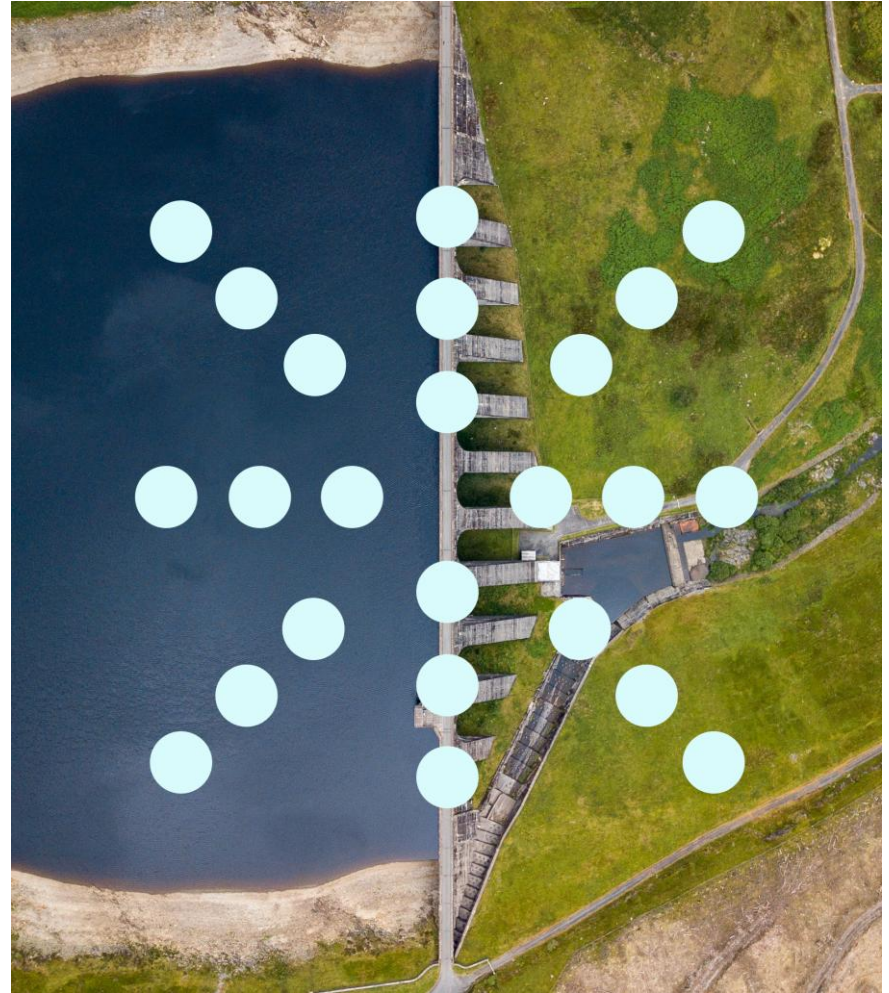


APM Condition Insight + other AI features for APM and RCM

SWMUG Phoenix 2026



Please note

- The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract.
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New AI agents for APM and RCM

4 new CBM and RCM agents and workflows



→ **Condition Insight**

AI that analyzes asset data, strategy, work history, alerts and meter trends to explain its condition, identify trends, and recommend actions.



→ **Strategy Builder**

AI workflows to build strategies, deploy them on your assets, and track their performance.



• **Alert Insights**

AI agents that analyze alerts compare them with your strategies to explain the failure and recommend the most appropriate job plan.



→ **WO Automation**

Learns from experts and helps users to turn actionable alerts into work orders.

Accessible through MAS Assistant



→ **AI Assistant Integration**

CBM insights infused into Maximo AI Assistant making it an expert on your assets; asset condition, identify trends, and recommend actions.

What are AI Agents?

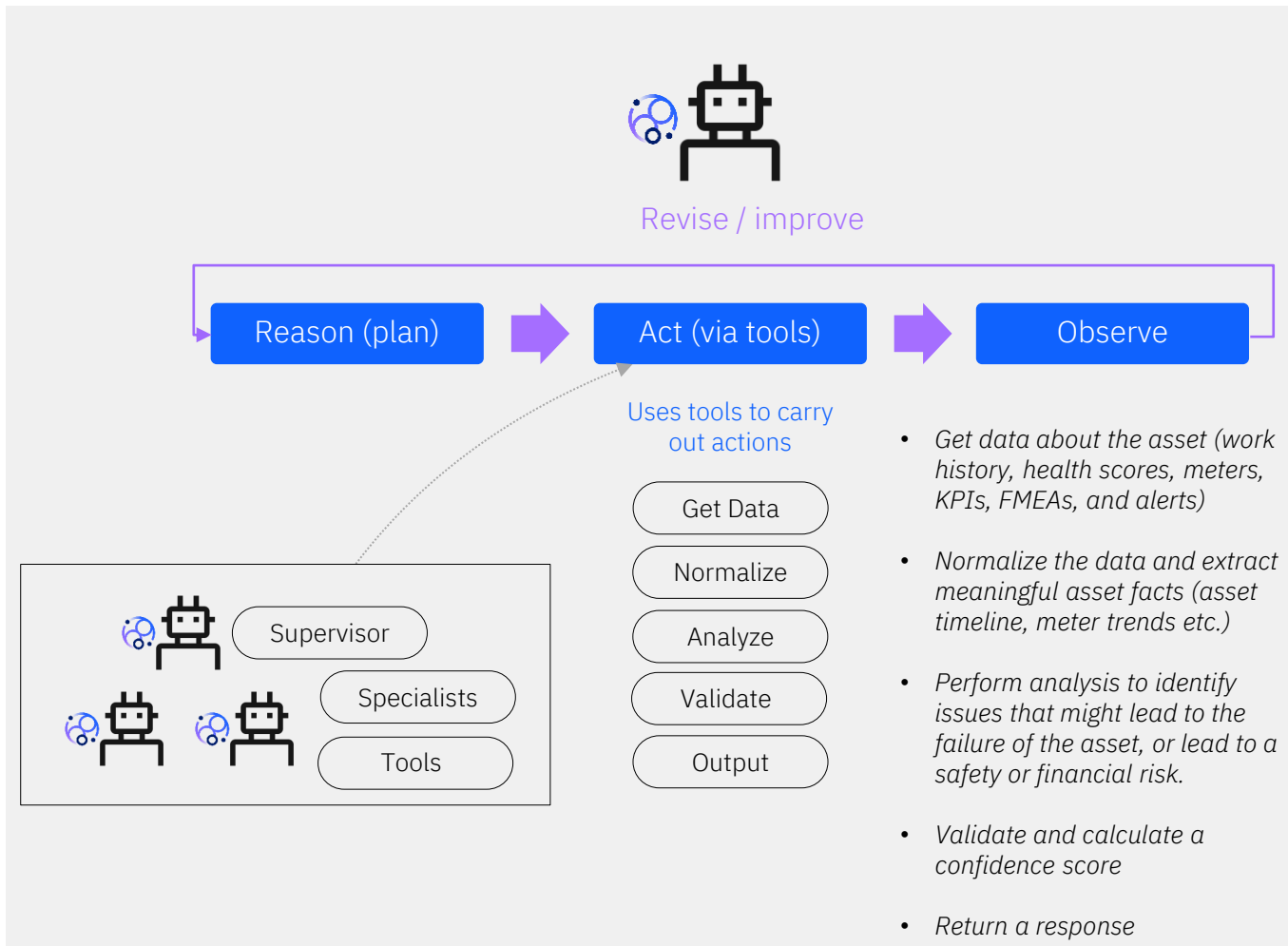
Artificial intelligence systems that can take actions autonomously in pursuit of specific goals.

Agent is provided a mission:

- *Let me know if this asset requires attention and advise me what to do.*

Agent has tools:

- *Ability to query or process data provided*
- *Training on the MAS data model.*
- *Training on the meaning of data, and how it relates to the desired outcome.*
- *Output format (language, text formatting)*



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.

IBM Maximo Application Suite | Health

Assets & Locations

Assets | Locations

View: Demo Asset Set (shared)

Results: 9

<input type="checkbox"/>	Asset	Type	Location	Health	Criticality	Risk	Installation Date	Age in Years	Total Cost
<input type="checkbox"/>	11400		BR400	67.00	100.00	67.00	5/30/09	16.5	119,307.00
<input type="checkbox"/>	12510	PUMP	SHIPPING	67.00	100.00	67.00	5/28/09	16.5	0.00
<input type="checkbox"/>	23972		BR431	67.00	50.00	33.00	5/29/09	16.5	0.00
<input type="checkbox"/>	B12510		MARKING	67.00	50.00	33.00	4/6/14	11.7	0.00
<input type="checkbox"/>	CS11400			67.00	100.00	67.00	5/30/09	16.5	0.00
<input type="checkbox"/>	CS11400			100.00	100.00	100.00	6/5/06	19.5	0.00
<input type="checkbox"/>	L12510		SHIPPING	67.00	75.00	50.00	9/3/14	11.3	388.61
<input type="checkbox"/>	T-B13180		CLEAN	67.00	100.00	67.00	3/21/16	9.7	356.00
<input type="checkbox"/>	T-L12510		CLEAN	67.00	25.00	16.00	12/12/14	11.0	3,098.12

Items per page: 10 | 1-9 of 9 items

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.

Alert insights

AI

Review the AI-generated insights for the alert associated with asset 654321

Confidence: High Alert priority: 1 Generated on 27 January 2026 10:15 AM

Alert summary

The AI analysis indicates abnormally high vibration levels accompanied by elevated noise patterns, suggesting developing mechanical imbalance or potential component wear. The system recommends early inspection to prevent further deterioration.

Note: Add a [reliability strategy](#) to improve the alert insight.

View insight

Create work order

123456 (Alert no)

AI

✕

Alert insights

Review the AI-generated insights for the alert associated with asset 654321 [Learn more about insights](#)

Confidence: High Alert priority: 1 Generated on 27 January 2026 10:15 AM

Summary

- CCW Pump 2B is losing suction pressure fast and discharge pressure is dropping. The pump is likely starved on the suction side, which cuts NPSH margin and can cause cavitation. Act now to protect the pump and find the suction restriction or low source level.

Failure analysis

- Past 6 hours: discharge down **3.6 psig/hr**, suction down **1.5 psig/hr**, differential down **2.1 psig/hr**. Suction fell below **15 psig** and discharge below **140 psig** around **15:00**. Suction head dropped about **25 ft**. This points to suction blockage/low level; internal wear is less likely.

Recommendations

- 1. Protect the pump now:** slightly throttle discharge to reduce flow, keep minimum-flow recirc open, and hold system pressure. If noise/roughness continues, switch to 2A/2C and remove 2B from service.
- 2. Quick comparison (≤15 min):** check 2B suction vs 2A/2C. If only 2B is low, it's a local suction issue.
- 3. If local (1–2 h on 2B):** LOTO; open/clean suction strainer; ensure suction valve is fully open; check for air leaks at joints; restore.
- 4. If common header low:** confirm tank/header level and makeup, inspect intake screens, adjust recirc and downstream loads to recover suction pressure.
- 5. Verify after fix:** at near-rated and reduced flow, confirm suction ≥18 psig (or site NPSH margin), discharge back to target, and trend every 30 minutes for 4 hours.



AI explained

Alert insights

AI-generated insights and recommendations derived from available data types. [Learn more about insights.](#)

How it works

- 1. Review.** Reviews alert information and associated asset and location information.
- 2. Generate.** Generates insights and recommendations.
- 3. Create.** Creates a pre-filled work order form for you to review and submit.

Data types

- **Alert, asset, and location details.** Core information about related alerts, associated assets, and their physical or logical locations.
- **Work orders.** All types of work. Historical and upcoming work orders linked to the relevant asset or location are taken into account.
- **Reliability strategy.** Identified failure modes and recommended mitigation actions, where available. **Note:** Asset strategies are highly recommended to ensure AI insights can provide high-confidence assessments and recommendations.
- **Meter data.** Any available meter readings or usage data associated with the asset.
- **Preventive maintenance (PM).** Relevant PM records and schedules, when provided.
- **Job plans.** Detailed job plan information, if available.

WO Automation

From Insight to Action in One Step

Once Alert Insights identifies the most appropriate corrective job plan, the system can immediately translate that recommendation into action by automatically generating a Work Order—no manual intervention required.

How It Works

- Alert Insights identifies the failure mode from the Asset Strategy
- A recommended job plan is selected
- A Work Order is automatically created
- Prioritization happens instantly based on the risk and urgency of the asset.

Summary

Create work order

Use this pre-filled form to create a work order with one click.

*Summary

CCW Pump 2B is losing suction and pressure, indicating suction cavitation

Description

230/1000

CCW Pump 2B is losing suction and discharge pressure, indicating suction starvation and cavitation risk. Immediate action is required.

Work type

Preventive Maintenance

Priority

1

Start no earlier than

01/27/2026

Finish no later than

01/30/2026

Inspection form (optional)

PUMP_TEMP_HIGH

Job Plan (optional)

JOB_PLAN_PUMP_12345

Failure Mode

PUMP_TEMP_ANOMALY

Cancel

Create

AI explained

Alert insights

AI-generated insights and recommendations derived from available data types. [Learn more about insights.](#)

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Strategy Builder v2

Create or customize strategy faster than ever using our purpose-built AI models.

Create or find relevant actions and automatically build your mitigation activities descriptions.

Build your failure hierarchy, and define your strategy boundary in seconds (available in 9.1 and up)

{component} - {mechanism} - {influence}

Select actions AI ×

Select or create actions to detect and resolve the failure mode.

AI Create actions

<input type="checkbox"/>	Name	Type	Occurs	Frequency	Value	Hours
<input type="checkbox"/>	Oil Analysis	Inspection	Recurring	Interval	2 years	4
<input type="checkbox"/>	Vibration	Inspection	Recurring	Interval	2 years	3

Items per page: 100 1-100 of 100 items 1 of 10 pages

Selected items 2 Clear all

- RE Training ×
- Refurbish ×

Cancel Ok

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IBM Maximo Application Suite Reliability Strategies

Custom strategies / Axially Split Case - Mechanical Seal - Kingsbury-Sleeve Bearings-Oil Lubed / Mitigation activities /

Create mitigation activity

Mitigation details

*Mitigation activity Description

Oil analysis Monitor contamination

Description [Generate description](#)

↓ B I U ↺ sans-serif 12pt

Involves sampling and testing lubricating oil to detect contamination, degradation and wear particles.

Occurs ⓘ

Select an option

Frequency

Interval Meter

Recommended interval

- + Select a unit

Labor hours

- +

Actions

Search

Name	Type	Occurs	Frequency	Labor hours
------	------	--------	-----------	-------------

[AI explained](#)

Recommendation

A mitigation activity description has been generated using the details you entered along with examples from similar strategies in the reliability library. The draft reflects common intent, context, and steps for this type of activity. Review and refine it so the description accurately represents the work required for your asset and operating environment.

How it works

- Retrieve.** The model retrieves information from the action name, action type, and related examples from the strategies library.
- Analyze.** The model analyzes common patterns and task details associated with similar actions.
- Recommend.** The model presents a draft action description in context.

Create Close

IBM