

Maximo Wednesday Webinar

APM: Eliminate risk in your enterprise with AI-driven insights

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A digital re-invention ~~is disrupting~~ has disrupted the operating model of asset intensive industries



Smart Equipment is “connected” and in some cases can alert or predict its own failures

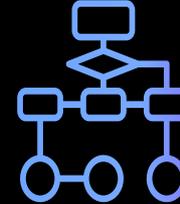


Legacy Equipment
The cost and complexity of adding sensors to equipment has dropped.

“Its now easy to do”



Stand Alone EAM solutions need to be “connected” *and* provide advanced digital capabilities



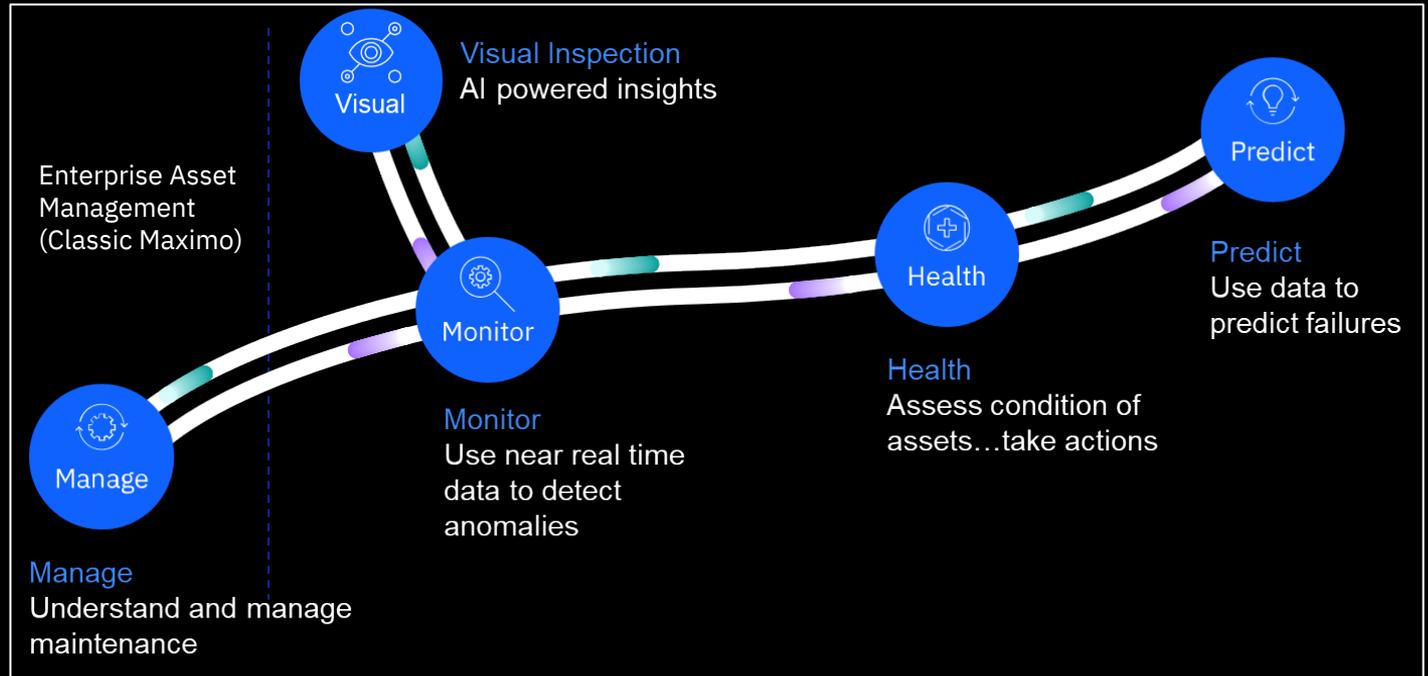
To advance in the digital age there is a need to contextualize (combine): OT (PLC) data, IOT (Sensors) data with IT (Maintenance & Reliability) data to gain better insights and drive results

The underlying solution must change

Maximo Has Evolved

The **operating model** in asset intensive industries is changing has changed...

Maximo Application Suite – “MAS”



Maximo Application Suite “MAS”

Easy to access and run on prem or in cloud of choice

Simplified Licensing and Usage

“App Points”

- Single License covers all of MAS
- Flexible consumption based on active user types



Manage
Intelligent asset management



Monitor
Monitor and detect anomalies



Health
Assess Condition of Assets and Take Action



Predict
Predict failures earlier



Visual Inspection
AI-Powered insights



Scheduler
Schedule work and resources



Mobile
Technician work execution



Assist
Prescriptive Technician assistance



Safety
Actionable insights for safety

Multi-Cloud, Edge, on prem ... Flexible Deployment Models

IBM Cloud Pak for Data | IBM Watson Studio | IBM Watson ML



Infrastructure Independent
Common Operating Environment



Maximo Health

Business Value

- Reduce fleetwide operational risk by focusing on the right assets
- Increase asset availability
- Reduce unnecessary preventive maintenance
- Reduce time making capital replacement planning decisions



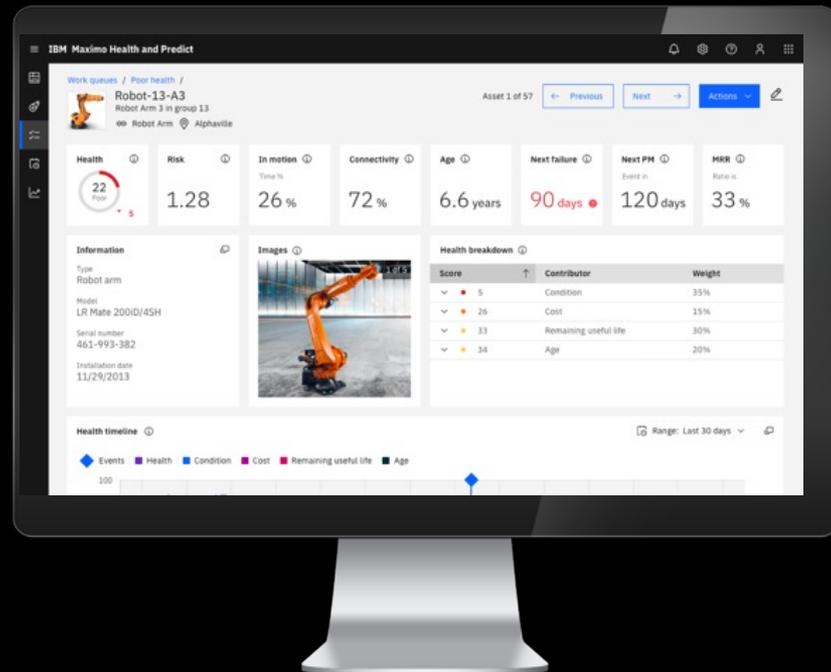
Application

- Consolidated global view of assets
- Health visibility and analysis
- Condition based actions
- Replacement planning



Capabilities

- Dashboard with cards, map view, spreadsheet view
- Fleet-wide view and health drilldown
- Health-based notifications and actions
- Flexible health scoring by asset type or groups
- Sensor data integration
- Refurbish / replace prioritization



Maximo Predict

Business Value



- Reduced failures
- Reduced maintenance costs
- Improved asset utilization
- Extended life of asset
- Increased production output

Application

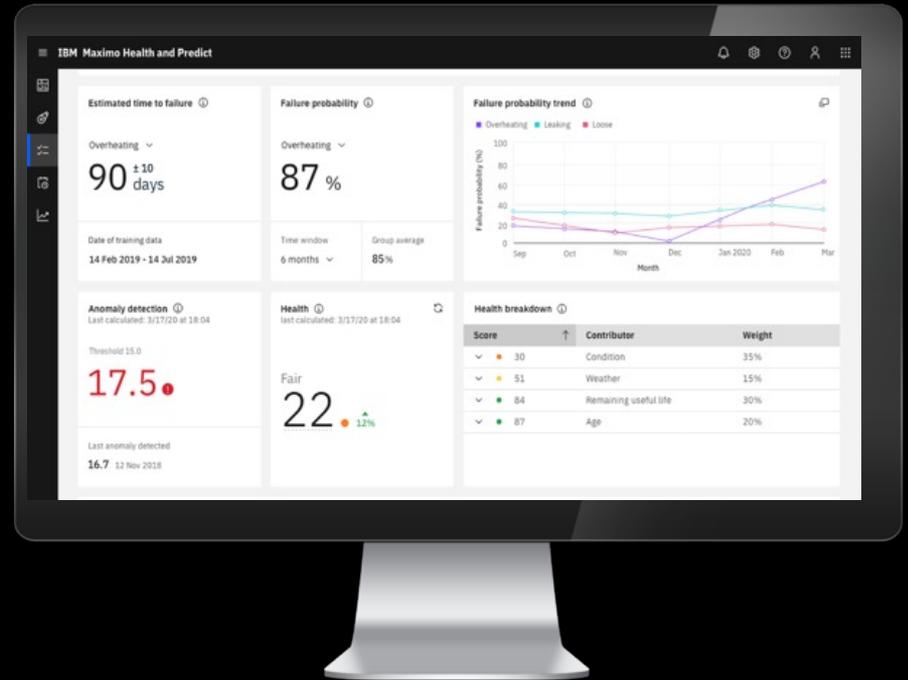


- Build asset failure models
- Predict failures
- Determine factors that contribute to failure
- Score models with current sensor data

Capabilities



- Templates provided to build five common predictive models
- View pre-built visualizations for the five common models
- Score predictive models using Watson Machine Language
- Use model scores to assess asset health



Health and Predict make it easy to identify, investigate and take action on assets at risk

Assets

Asset	Type	Location	Health	Criticality	Days to failure
PMPSEVIC001	NDN...	BEDFORD	13	50	4
PMPSEVIC001	NDN...	DHAKA			
PMPSEVIC001	NDN...	EDINBURGH			
PMPSEVIC001	NDN...	DALLAS			
PMPSEVIC001	NDN...	ABU DHABI			
PMPSEVIC001	GEM	STAVROPOL			
PMPSEVIC001	GEM	GUANGZHOU			
PMPSEVIC001	GEM	HONGKONG			
PMPSEVIC001	GEM	ROTTERDAM			
PMPSEVIC001	GEM	FARSA			

Enterprise views of assets in a grid or map

Prebuilt “work queues” designed to help identify assets at risk

Work queues

Queue	Queue priority	Remaining assets	Go to
Low health	1	3,387	Open first asset
High probability of failure	1	0	Open first asset
Failing before PM	1	4	Open first asset
Missing expected life	2	14,665	Open first asset
Missing installation date	2	592	Open first asset
Missing replacement cost	2	13,966	Open first asset
Missing criticality score	2	1,794	Open first asset

Health

- Health: 64%
- Criticality: 50%
- Risk: 82%
- Reliability: 43.3%
- Age: 5.7 years
- Next PM: 29 days
- MFR: 0.3%
- Next failure: 14 days

Score	Contributor	Weight
43	FACTORYEARSAMPLE	60%
61	Open Work Orders	20%
100	Motor Health	20%

Estimated time to failure: 13 ± 3 days

Failure probability: 0%

Anomaly detection: 13.1

Factors that contribute to failures:

Factors	Importance	Importance score
VELOCITY_min_3d	High	0.77266
VELOCITY	Low	0.0465
VELOCITY_max_3d	Low	0.0932

All asset details in one page from which you can take an action

Easy Integration

Real Time data from low cost add-on sensors



Real time filtered data from automation systems



Historical sensor and weather data



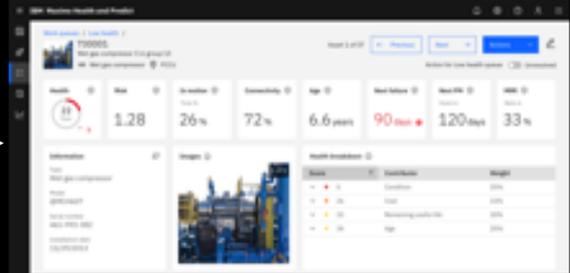
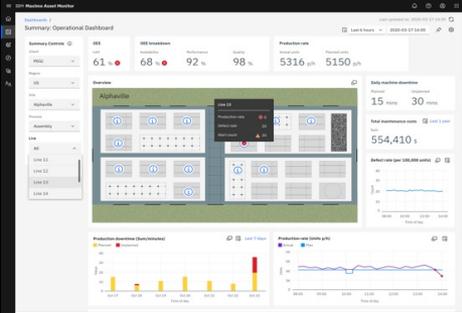
Manage / EAM



AppConnect

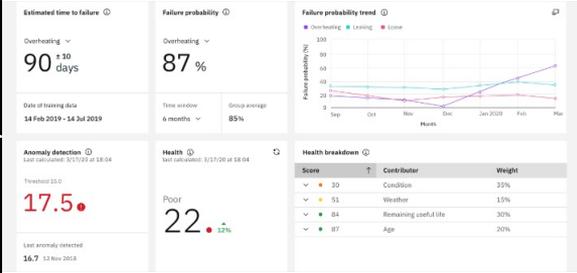
Health

Monitor



Predict

Watson Studio & ML



Demo

What's Next?

The presentation will be provided to you along with additional info by email in the next couple days

Talk to your sales leader, Maximo rep, or Business Partner

Maximo Application Suite demo environment (Available to Business Partners only)

- Request access [here](#)

Contact Information

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Questions

IBM