

IBM Maximo Health

Establish a robust data background of asset health using IoT data, asset records and work history to improve operational decisions.



Highlights

- Apply IT and OT data to build custom health scores
- Reduce operational risks with personalized views to easily identify assets in jeopardy
- Locate and update missing asset data with new preconfigured work queues
- Examine KPIs and other relevant asset information in a single view
- Take actions directly from Maximo Health to reduce the cost and frequency of asset failures and to improve reliability

Predictive maintenance alone can reduce costs by 15% – 20%, improve asset availability by 20% and extend the lives of machines by years¹. The best way to maintain assets is based on their relative health. Very few failures follow an age-degradation pattern, and many are not prevented with traditional time-based preventive maintenance strategies. Usage data or gauge values can provide part of the picture, but insight on past maintenance occurrences, the age of the asset and historical investment enhance the “sensed conditions” with real insight.

IBM Maximo Health joins condition assessment readings from assets to historic information from work and equipment records. The resulting dashboard display of health scores combined with criticality and risk scores, provides evidence on which to base operational decisions. Assessing current health of equipment is a stepping stone to leveraging IBM's predictive analytics. Powerful work queues provide a guided approach for reliability professionals to quickly identify and fix assets which may be at risk, or assets missing critical data needed to assess asset performance.

Features



Full visibility into asset status

Get a complete picture of asset health with real-time sensor data, alerts from SCADA systems, enterprise historians, maintenance and failure history combined with environmental data so teams can make smarter decisions about repairing and replacing assets.



Configurable view of assets

Add and delete columns, filter and sort assets in a grid view to quickly identify and investigate assets.



Create custom health scores

Combine scoring elements and rules to generate method to score the health of assets. Define scoring ranges to easily identify assets in poor health.



Criticality and risk scores

Define asset criticality and risk used in concert with health to prioritize action needed.



Guided work queues

Investigate all assets with specific characteristics using pre-configured lists. Check off each item as they are addressed, and move to the next.



Single asset view

See KPIs in graphs, charts, and tables on a single page to allow for easy assessment of the assets' current state. Take actions, like requesting a work order, directly from the same page.

Maximo Health offers a new way of maintaining equipment that uses not only current condition-based readings from the equipment, but also information from other influences like age, maintenance history and cost data.

Seamless integration within the Maximo Application Suite

Build on the power of other applications in the Maximo Application Suite such as IBM Maximo Monitor, IBM Maximo Visual Inspection, IBM Maximo Health and Watson Studio. Maximo Monitor provides the foundation for collecting, storing and analyzing incoming sensor data used by predictive models. Maximo Visual Inspection performs visual inspections and provides AI-powered actionable notifications of any emerging issue. Leverage out-of-the-box templates provided with Maximo Predict or build your own predictive models in Watson Studio.

WHY IBM?

Maximo Health builds on IBM's decades of leadership in the asset and operations management space. It leverages IBM's deep commitment to data science and AI at enterprise scale, as well as its recognized leadership in IoT platform, hybrid cloud, security and now digital twin technology.

IBM supports your organization's digital re-invention by providing the tools for new efficiencies, risk reduction, improved customer satisfaction, and the capturing of new revenue streams.

IBM's global ecosystem of Business Partners has a track record of delivering solutions in over 90 countries, including industry-specific solutions and add-ons that bring more rapid ROI for our customers. Only IBM has the investments, ecosystems, and experience to turn your assets and operations into a competitive advantage.

Source

1. "IDC Manufacturing Insights: Transforming Asset Management at the Edge," Reid Paquin, IDC, April 2019



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IBM Corporation Route 100
Somers, NY 10589

Produced in the United States of America
November 2020

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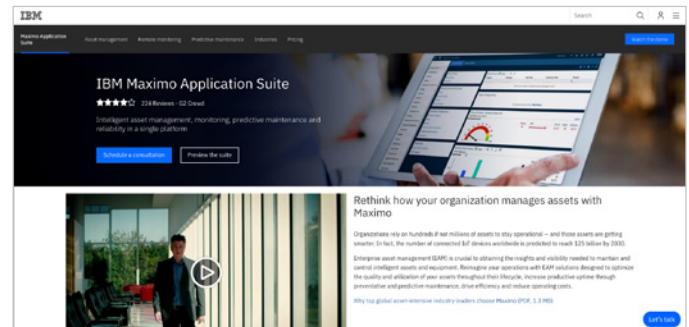
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Learn more about the IBM Maximo Application Suite

Watch videos, read case studies, explore demos and more at our website:



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