



IBM Maximo Predict

Manage asset reliability risks by using
AI models to identify future problems

Using Internet of Things (IoT) sensors and other technologies, engineers in asset-intensive industries are collecting large amounts of data from their equipment. Yet many engineers face challenges with drawing insights from this data—particularly the patterns and causal relationships that can help them extend assets’ lifecycles and reduce unplanned downtime and maintenance costs. Their equipment has so much to say, but they simply can’t hear it.

Based on manufacturer guidance, you may have a rough estimate of how long your assets and equipment will last. How confident are you in this estimate? Many factors contribute to equipment condition, from age to operating environment to previous maintenance schedules and even quality of repair. The problem? Equipment lifecycles can vary dramatically based on these and many other factors, and you won’t know how much until it’s too late—and the equipment downtime is already impacting key performance indicators.

IBM Maximo® Predict, part of the IBM Maximo Application Suite, focuses on the needs of maintenance managers and reliability engineers to identify potential problems. It looks for patterns in asset data, how the asset is being used, and the environment in which it is operating.

Benefits:

- Build predictive models using prebuilt templates or from scratch, to identify problems or potential failures
- Determine which are the assets with high probabilities of failure using preconfigured work queues
- Investigate the results of predicted models in a single view with Maximo Health KPIs on preconfigured graphs, charts, and tables
- View historical anomaly scores of an asset on a more than daily basis
- Identify patterns and anomalies in equipment data to enable early detection of potential problems and issues
- Take actions directly from Maximo Predict to address assets at risk



Features



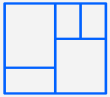
Data-driven insights

Enhance maintenance strategy with predictive analytics using Maximo Monitor, Visual Inspection and Health Insights.



Prebuilt widgets

View charts, graphs and tables specially designed to identify issues quickly.



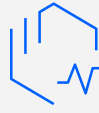
Templates to build predictive models

Build predictive models faster with Maximo Predict or custom models using IBM Watson Studio as part of the Maximo Application Suite.



Asset timeline

Access to all relevant asset information to make better decisions about maintenance.



Health scores output from predictive models

Score asset data and incorporate model output to enhance health scores.

Unify disparate operational data

IBM Maximo Predict correlates data from varied sources, such as IoT sensors, operational technology (OT) systems, environmental data, and enterprise asset management (EAM) systems with any known performance factors in the equipment to find problems before they occur. Models trained on this data produce a score that gives the reliability engineer insight into the future state of their equipment based on real data from their specific assets.

Out-of-the-box templates

Estimate the time to failure for an asset, see the probability of failure, and find anomalies with models built from templates included with Maximo Predict. These templates include algorithms and methods that are continually enhanced. Data sets are unique, and different learning algorithms are conducive to different data sets. The more algorithms available, the better the chance to match the asset data and get a better outcome.

Seamless integration within the IBM Maximo Application Suite

Build on the power of other applications in the IBM Maximo Application Suite, such as Maximo Manage, Maximo Monitor, Maximo Visual Inspection, and Maximo Health. 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. Score from models built with the templates that can be visualized alongside Maximo Health information on the asset details page. You can start with templates provided with Maximo Predict or create your own predictive models.

Why IBM?

Maximo Predict builds on IBM's decades of leadership in the asset and operations management. It is underpinned by IBM's deep commitment to data science and AI at enterprise scale and its recognized leadership in IoT platform, hybrid cloud, and security.

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.

[Learn more about Maximo Predict and the IBM Maximo Application Suite →](#)

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

[Take a tour →](#)

Explore IBM Maximo to learn how IoT data, analytics, and AI can help streamline your asset operations.

[Get a price estimate →](#)

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