

IBM Maximo® Application Suite

A unified asset lifecycle management solution
to maximize assets and facilities value



Highlights

Full asset lifecycle management solution for planning, operations and optimization

Pre-configured industry and asset class solutions

Pre-integrated AI for immediate use and value

Demonstrated with real business value

Asset-intensive industries are under growing pressure to maintain aging infrastructure, reduce unplanned downtime, and enhance operational efficiency. Yet, 85% of operators continue to struggle with and utilize poor-quality, fragmented data spread across disparate systems¹ and rely on reactive maintenance strategies that hinder visibility, drive up costs, and limit agility. These challenges are further compounded by workforce shortages, increasingly complex regulatory requirements, and the rising data demands associated with generative AI. Together, these factors make it more difficult for companies to meet performance objectives while remaining compliant and competitive in a rapidly evolving landscape.

IBM believes that solving the complex challenges facing these industries requires a unified, intelligent approach to asset management—one that connects data, people, and processes across the entire lifecycle. This means moving your organization beyond reactive maintenance and siloed systems to embrace predictive insights, AI, automation, and scalable digital operations.

IBM Maximo Application Suite is a full asset lifecycle management solution that helps organizations plan, operate, and optimize their critical assets. By leveraging built in generative AI, IoT, and advanced analytics, Maximo enables predictive maintenance, improves asset reliability, and enhances decision-making across the enterprise. With flexible deployment options and built-in support for compliance, Maximo empowers teams to modernize operations, reduce risk, and drive performance at scale.

IBM is the only solution provider recognized as a leader in Enterprise Asset Management², Asset Performance Management³ and Connected Portfolio Intelligence Programs⁴ according to Verdantix

Full asset lifecycle management solution

IBM Maximo's full asset lifecycle management solution delivers a unified, intelligent platform that acts as the operational system of record for asset-intensive organizations. It seamlessly integrates Asset Investment Planning, Enterprise Asset Management, and Asset Performance Management capabilities to boost reliability, extend asset life and increase asset performance.

Asset Investment Planning (AIP)

With Maximo's AIP, organizations can model both short-term and long-term capital plans, assess risk, and prioritize investments based on asset criticality and lifecycle cost. This strategic foresight ensures that funding is allocated to the right assets at the right time, maximizing return on investment and strategic alignment.

Enterprise Asset Management (EAM)

As assets move into operation, IBM Maximo becomes the central hub for managing maintenance, work execution, inventory, compliance, and field service operations. With robust mobile capabilities, technicians can access and update asset data in real time from any location, improving responsiveness, accuracy, and productivity in the field. Field service management tools streamline scheduling, dispatching, and execution of work, ensuring the right resources are deployed at the right time. This is where Maximo functions as the operational system of record, providing a single source of truth that connects operations, engineering, and finance.

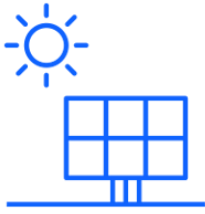
Asset Performance Management (APM)

Maximo's APM brings advanced analytics, AI, and IoT into the equation. By continuously monitoring asset conditions and predicting failures before they occur, Maximo enables proactive maintenance strategies that reduce downtime, extend asset life, and improve safety. These insights feed back into both EAM and AIP, creating a closed-loop system where operational data drives smarter planning and execution.

Together, this lifecycle approach transforms asset management from a reactive, siloed function into a strategic, data-driven discipline. Maximo empowers organizations to optimize performance, reduce total cost of ownership, and ensure regulatory compliance—while maintaining a complete, transparent, and actionable record of every asset decision and outcome.

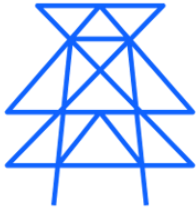


Solution brief



Pre-configured industry and asset class solutions

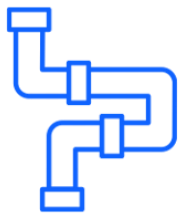
Maximo delivers powerful, industry-specific asset management solutions tailored to the unique operational and regulatory needs of sectors such as Manufacturing, Energy and Utilities, Oil and Gas, Travel and Transportation, and the Public Sector. In manufacturing, Maximo enhances productivity through predictive maintenance and digital twin integration. For Energy and Utilities, it supports grid modernization, renewable energy integration, and regulatory compliance. Oil and Gas operations benefit from pipeline integrity management and health, safety and environmental compliance, while transportation organizations use Maximo for fleet, terminal, and infrastructure maintenance. Government agencies leverage Maximo for infrastructure oversight, capital planning, and public service integration.



Beyond industries, Maximo offers specialized asset class solutions that address the evolving needs of modern enterprises. A key evolution is the transformation of IBM TRIRIGA into Maximo Real Estate and Facilities, which now provides a unified platform for space management, lease administration, capital project oversight, and sustainability tracking. This integration enables organizations to manage real estate portfolios more strategically while aligning with ESG goals and operational efficiency.



Maximo also supports the management of IT assets across the enterprise. It enables organizations to track the full lifecycle of hardware and software assets—from acquisition and deployment to maintenance and retirement. With capabilities for license compliance, contract management, and integration with IT service management (ITSM) platforms, Maximo ensures that IT assets are optimized, secure, and aligned with business needs.



In the renewable energy and grid sectors, Maximo plays a pivotal role in managing wind turbines, solar panels, battery storage, and microgrids. It supports the transition to clean energy with AI-driven insights, predictive maintenance, and sustainability metrics. These capabilities empower organizations to modernize their infrastructure, reduce carbon footprints, and meet the demands of a rapidly evolving energy landscape.

Pre-integrated AI for immediate use and value

IBM Maximo brings AI directly into your asset management environment—fully integrated and ready to use from day one. There's no need for separate tools, custom development, or complex configurations. The intelligence is built in, allowing you to immediately tap into the power of your existing data. This out-of-the-box integration means you can start uncovering insights and driving smarter decisions without disrupting your workflows or investing in additional infrastructure.



With AI embedded at the core of Maximo, you can explore your assets in greater depth—analyzing historical trends, real-time conditions, and operational context all in one place. The system continuously learns from your data to surface hidden patterns, predict failures, and recommend actions that improve reliability and performance. It's not just about managing assets—it's about understanding them on a deeper level, so you can act faster, reduce costs, and extend asset life with confidence.

Demonstrated with real business value

Business Value Metrics⁴

Asset lifespan	17% ↑
Mean time to repair	57% ↓
Inspection accuracy rate	34% ↑
Asset Manager productivity	40% ↑
Five-year ROI	522%

Organizations operating in asset-intensive industries are increasingly striving for higher levels of operational predictability, reliability, and efficiency. Despite years of digital transformation, many still face challenges in areas like maintenance execution, work scheduling, and asset lifecycle management. IBM Maximo plays a pivotal role in helping these organizations transition from reactive to predictive asset management. By centralizing and streamlining asset tracking, maintenance, and performance monitoring, Maximo enables businesses to build more resilient operations and unlock greater value from their existing infrastructure.

Through in-depth research and customer interviews, IDC found that organizations using IBM Maximo are better equipped to minimize unplanned downtime, avoid disruptive failures, and improve the accuracy and speed of inspections and repairs. The platform supports a wide range of operational improvements—from enhancing workforce productivity and optimizing compliance. Ultimately, IBM Maximo empowers organizations to make smarter, data-driven decisions that extend asset lifespans, reduce costs, and drive stronger business outcomes.

[Read the IDC Business Value report of IBM Maximo](#)

Maximize your assets and facilities value

For asset-intensive organizations, the path forward isn't about overhauling everything—it's about making better use of what you already have. IBM Maximo Application Suite helps you do just that. By connecting your existing data, systems, and teams through a unified platform, Maximo gives you the visibility and intelligence to make smarter decisions, faster.

Whether you're managing physical infrastructure, IT assets, or real estate portfolios, Maximo helps you shift from reactive to predictive operations—without disrupting your current workflows. With AI and analytics built in, you can uncover hidden patterns, anticipate issues before they happen, and prioritize the actions that deliver the most value, so you can efficiently plan, operate and optimize your assets.

[Try Maximo Application Suite for free](#)

For more information, contact your IBM Business Partner:

First Distribution

011 5402803 | natasha.dasilva@epsidon.co.za

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1. [Digital Transformation in Building Operations](#), IFMA/Autodesk, 2024
2. Green Quadrant: "Enterprise Asset Management Software 2024", 2024
3. Green Quadrant: "Asset Performance Management Solutions 2024", 2024
4. Green Quadrant: "Connected Portfolio Intelligence Platforms (CPIP/WMS)", 2025
5. The Business Value of IBM Maximo, IDC, May 2024

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