

HCLTech | IBM

Digital manufacturing solution on IBM Maximo

Transform your operations and optimize resources
with our asset management solution

We strive to empower enterprises with solutions that vitalize manufacturing, supply chains, workforces, products, services and experiences. With Industry 4.0 at the center of digital initiatives, we are continuously aligning our solutions with the digital needs of enterprises for them to transform their operations and achieve their business goals. In that quest, our cutting-edge capabilities for IBM Maximo can help enterprises unlock value at scale.



Asset management challenges

Enterprises face some critical asset management challenges regularly. Below are some of the key challenges:

- **Asset visibility and tracking:** Large organizations often distribute many assets across multiple locations. Tracking Assets and providing visibility of Asset Performance can be difficult, especially when assets are moved or transferred between departments or sites
- **Data accuracy and integrity:** Maintaining data accuracy and integrity can be challenging due to human errors, lack of standardized data entry processes and outdated or incomplete information
- **Integration with multiple systems:** Enterprise asset management (EAM) involves integrating various procurement, finance, inventory management and maintenance planning methods. Ensuring seamless data flow and integration between these systems can be complex
- **Resource scheduling and utilization:** Effective utilization, scheduling and prioritization of resources and visibility of available resources are challenging for planners, schedulers, planners and supervisors
- **Maintenance planning and optimization:** Balancing preventive and reactive maintenance is crucial for optimal asset management, including capital planning and budgeting for maintenance activities. Over-reliance on reactive maintenance can lead to increased downtime and unexpected failures
- **Change management:** Implementing or upgrading an EAM system often requires significant changes in processes, workflows and organizational culture. Resistance to change from employees, lack of user training and inadequate change management strategies can hinder businesses
- **Asset lifecycle management:** Managing assets throughout their lifecycle requires careful planning and coordination. Lack of standardized processes, good documentation and sufficient visibility into asset lifecycles can lead to inefficient asset management
- **Regulatory compliance and risk management:** Organizations must adhere to specific regulatory requirements and safety standards. Ensuring compliance with these regulations, managing risk associated with assets and maintaining audit trails can be challenging

HCLTech's digital manufacturing solution on Maximo

Our Maximo capabilities help enterprises optimize asset performance, reduce downtime and costs and improve work safety and reliability.

IBM Maximo offers solutions around asset registry, operational management, maintenance management, work order management, maintenance management, budgeting, integration, engineering management and digital transformation. The process management includes assets, services, work orders, planning and scheduling, labor, inventor and digital assets.

We designed purpose-specific capabilities for Maximo to offer holistic services around EAM product evaluation and assessment, implementation roadmap, upgradation, application support and data migration. Enterprises can easily achieve operational transformation and asset management goals with our cross-domain expertise.



Our offering highlights

Our digital manufacturing solutions on Maximo offerings are classified across three key areas:



Consulting

- Application and business capability assessment
- Product assessment
- Implementation and rollout strategy
- Integration and data strategy
- User persona and journey maps
- License rationalization
- Best practice recommendations



Design and implementation

- Application configuration and customization
- Detailed process designs and workflows
- Data conversion/migration design
- Interfaces with external systems
- Security matrix
- Training strategy and planning
- Report design and development
- Deployment plan and execution
- Application upgradation and migration
- Configuration management planning



Application support

- Identification of support requirements
- Preparation of support plan
- System maintenance and enhancement
- System performance revision and improvement plan
- Automated monitoring, scheduling and reporting

We provide ADvantage Cloud Maximo migration framework, which helps in cloud migration fitment recommendations, performs application security assessment and offers a relevant solution, API-driven approach enabling integration and improving cost savings. This involves Maximo's migration definition, preparation, execution and sustenance.

Key benefits of HCLTech's digital manufacturing solution on Maximo

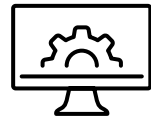
Our offerings drive value and performance and deliver definitive business benefits. Below are some key advantages



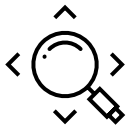
End-to-end asset observability



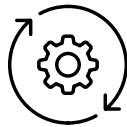
Improved productivity and reliability



Improved technician efficiency



Enhanced asset monitoring and management



Holistic AI enablement and automation



Reduced errors and downtime, improved availability and continuity



Reduced costs



Improved safety



Improved compliance

Success stories

A leading gas distribution company



Objectives

Setup and migration of application landscape (including Maximo) to AWS-managed cloud. The client wanted to optimize infrastructure costs, ensure server uptime and improve security and disaster recovery.

Solution

- Migrated critical components of the application and integrated them with the ecosystem
- Automated the provisioning of a Maximo development and system integration test environment with the option of scaling on-demand
- Provided an automated test scenario based on a testing platform
- Used cloud formation for automated provisioning of the development environment
- Configured security groups to ensure the required traffic flow

Technologies

- Migration of IBM Maximo on WebSphere to the AWS environment
- Heterogeneous database types, such as Oracle, SQL server and large volumes of data

Benefits

- Factory model-led efficiencies, tools-driven and volumetric-based productivity
- 10% reduction of infrastructure footprint in the existing data center
- 20-25% reduction of migration costs

A global aerospace major



Objectives

The client wanted to reduce long-term maintenance costs, improve performance, expedite IBM upgrades and increase serviceability and functionality.

Solution

- Captured an as-is system landscape for the existing Maximo application
- Upgraded database structure and application platform
- Designed new reports and added new automation features
- Provided complete offshore development and testing support by using agile methodologies
- Automated the regression pack to improve testing cycle time
- Provided consultancy for consolidating the business process

Technologies

- Maximo version upgrade from Maximo 7.0 to 7.6.1.2 on the WebSphere application server
- SQL server database migration

Benefits

- Consolidated business process
- 40-60% improvement in testing cycle time by using an automated testing framework
- 40% reduction in turnaround time

HCLTech | Supercharging Progress™

HCLTech is a global technology company, home to more than 221,000 people across 60 countries, delivering industry-leading capabilities centered around digital, engineering, cloud and AI, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending September 2023 totaled \$12.9 billion. To learn how we can supercharge progress for you, visit hcltech.com.

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