

IBM Maximo Asset Management in the automotive industry



Highlights

- Increase return on assets while managing efforts to adhere to government and environmental guidelines
- Reduce order-to-delivery time to help speed up sales and lower costs
- Improve production reliability, labor efficiency and material optimization
- View and manage critical assets more closely to help control output capacity and meet customer demands

Manufacturing challenges

The automotive industry has seen a dramatic turnaround in the manner in which automobiles, vans and trucks are manufactured. Where once production lines mass-produced seemingly identical products, today's automotive industry is marked by a high degree of customization. The challenge of meeting the customer's individual wants and needs makes for an extremely competitive marketplace for manufacturers, suppliers and dealers. Automotive tier one and tier two manufacturers and suppliers run in a decentralized mode, with multiple plant sites all running their own profit and loss. Maintenance personnel need to significantly increase their return on assets (ROA) while reducing overall maintenance and inventory costs.

Manufacturers must also adhere to growing government and environmental guidelines. The increased functionality requirements, as applied to the support of automotive manufacturing industries as well as related services, are critical.

A key success measure in the automotive industry is order-to-delivery (OTD) time. To speed up sales and to lower costs, automotive manufacturers need to reduce OTD. Objectives such as "the five-day car" help to both improve customer satisfaction and reduce costs by better aligning supply with actual demand. In order to stay competitive, manufacturers must address such key industry topics as cost, performance risk and knowledge management by maximizing speed and efficiency in how products are developed, assembled and delivered to customers.

Strategic asset and service management solutions can help automobile manufacturers achieve these objectives. They allow a company to track and manage all assets critical to the performance of the business, thereby supporting optimal performance and service levels. Critical assets include anything from production equipment to laptops, office buildings or delivery trucks. Asset and service management also gives senior management, for the first time, greater ability to view and manage asset performance from a corporate perspective. By managing critical assets more closely, companies can help increase shareholder value by helping to:

- *Improve uptime of critical revenue-generating assets.*
- *Reduce costs of acquiring, managing and maintaining many of those assets.*
- *Manage legal and industry compliance.*
- *Enhance risk assessment and management.*
- *Create competitive advantages.*

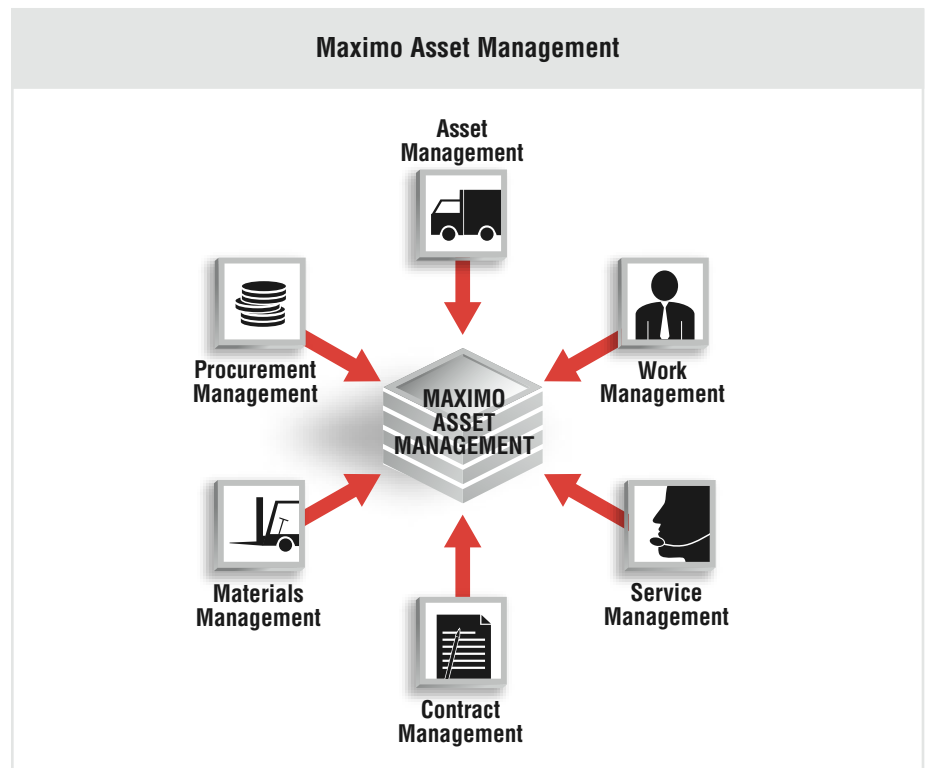
Asset and service management solutions

A growing number of tier one Automotive Manufacturers worldwide are using IBM Maximo® Asset Management, part of the IBM Tivoli® software portfolio. With Maximo Asset Management, companies have been able to improve asset availability and reliability, production output quality, labor efficiency and material optimization. Furthermore, by using Maximo to monitor their compliance efforts, many have achieved higher levels of compliance with government regulations and provisioning across the entire asset base.

The IBM asset management portfolio, headed by our flagship solution for enterprise asset management, Maximo Asset Management, can help

automotive manufacturers manage output capacity to respond to customer demands, while helping to ensure continuous improvement in the quality of vehicles produced. For example, the IBM Maximo Asset Navigator provides a rich visual parts identification solution that can help overcome one of the largest barriers to maintenance productivity, namely, rapid and accurate identification and verification of parts.

Other examples include IBM Maximo Instrument Calibration Manager to improve quality of measurement instruments, tools and equipment, and IBM Maximo Mobile Work Manager to use key functionality of the core Maximo solution on portable hand-held systems to improve data quality and labor efficiencies.





About Tivoli software from IBM

Tivoli software provides a comprehensive set of offerings and capabilities in support of IBM Service Management, a scalable, modular approach used to deliver more efficient and effective services to your business. Meeting the needs of any size business, Tivoli software enables you to deliver service excellence in support of your business objectives through integration and automation of processes, workflows and tasks. The security-rich, open standards-based Tivoli service management platform is complemented by proactive operational management solutions that provide end-to-end visibility and control. It is also backed by world-class IBM Services, IBM Support and an active ecosystem of IBM Business Partners. Tivoli customers and partners can also leverage each other's best practices by participating in independently run IBM Tivoli User Groups around the world—visit www.tivoli-ug.org

Maximo Asset Management comprehensively helps you manage:

- *Asset utilization.*
- *Equipment reliability.*
- *Efficient planning and execution.*
- *Inventory and resources.*
- *Work productivity.*
- *Regulatory compliance efforts.*
- *Service Level Agreements.*
- *Quality process.*
- *Best practices methodologies such as:*
 - *Reliability Centered Maintenance.*
 - *Six Sigma.*
 - *Lean Manufacturing.*
 - *Total Productive Maintenance.*

In short, Maximo's suite of asset and service management solutions can help automotive companies increase equipment availability, reduce operating and maintenance costs and maintain higher workforce productivity. Optimized performance goes hand in hand with the ability to manage the complete life cycle of your critical assets, beginning with planning and procurement, and extending through deployment, tracking, maintenance and retirement.

For more information

To learn more about IBM Maximo Asset Management, contact your IBM representative or IBM Business Partner, or visit ibm.com/tivoli or maximo.com



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Somers, NY 10589
U.S.A.

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