IBM

Tivoli® software

Maximize asset reliability across the airport enterprise with IBM Maximo Asset Management

Highlights

- Manage critical assets from a single system, providing better visibility and control of operations enterprise-wide

- Better track and manage efforts to respond to industry regulatory requirements, including monitoring airport security assets to better comply with government mandates

- Consolidate all asset-related information in a centralized repository, for more accurate reporting and more effective asset planning

- Develop more efficient work management preventive solutions for preventive and predictive maintenance

- Help reduce the costs of acquiring and maintaining the assets that are critical to airport success

Managing daily airport operations has become increasingly complex as managers implement automated systems that streamline customer service demands and help meet heightened security measures. Critical assets, such as baggage handling equipment, baggage and customer scanners, elevators, escalators, moving walkways and people movers, all require a high level of uptime. Airport executives need enhanced tracking capabilities that help consolidate and manage these critical assets while operating within limited budgets.

IBM Maximo® Asset Management provides a service-oriented architecture for managing all of the assets and service providers of an organization, allowing airport managers to better track and manage the assets that are critical to the performance of the business. Using IBM Maximo Asset Management can help extend the life of assets, increase uptime, control labor costs, and improve warranty recovery. It also helps to bridge the gap between airport operations and airport maintenance.

By consolidating in a single repository all asset-related information, senior management for the first time can view and manage asset performance from a corporate perspective. Managing critical assets more closely, airport managers can better monitor service providers via contract management and service level agreements. And by helping to reduce the costs of acquiring, maintaining and even disposing of these assets, organizations can work to achieve new levels of operational excellence. That's why eight of the top 15 busiest airports worldwide use Maximo Asset Management to manage their critical assets.

Advanced asset management capabilities for airports

Maximo Asset Management modules provide advanced asset management capabilities that help airport managers maximize asset reliability and performance across the enterprise.

Work management. Work management modules within Maximo Asset Management provide job plans and safety plans, as well as work order tracking, labor reporting, material and tools, and service requests. Job plans can be used to create a detailed description of how a job is to be performed. Safety plans can be used to create a detailed plan of how to safely service assets, including information on safety hazards, safety precautions and lock-out/tag-out.

Preventive and predictive maintenance management. Preventive maintenance (PM) modules can be used to create, modify and view plans for preventive and predictive maintenance. Preventive maintenance can be managed based on time, usage or a combination of both, and can be integrated with condition monitoring systems.

Inventory management. Inventory management modules can be used to manage all information linked to items that will be stocked in inventory. These inventory items can include items used to define and manage purchased services, as well as tools used to perform work.

Purchasing management. Procurement management modules within Maximo Asset Management provide capabilities for managing all purchasing requisitions—orders as well as receiving. These modules also store full information on manufacturers, vendors and other companies with whom airports do business.

Workflow. Enhanced workflow capabilities can be used to define and manage all maintenance business processes such as work requests or preventive maintenance tasks, allowing you to log all activities, analyze maintenance procedures and determine where efficiencies may be gained. Roles and actions can be defined for individual workflow, escalation, and service level agreement processes.

In addition, Maximo Asset Management provides functionality to help support airport-specific requirements for work management and reporting. For example, Maximo Asset Management can be configured to support key airport reporting requirements such as FAA CFR Part 139, which governs life-cycle management, and automated "Notice to Airmen" (NOTAM) processing.

Strategic asset and service management through open technology

The business of airports depends on the interoperability of multiple systems to provide accurate asset management and planning. Part of the IBM Tivoli® software portfolio, Maximo Asset Management leverages six key disciplines that can be integrated with the unique business systems required for airport operations.

Keeping pace with technology changes, regulations and environmental factors can be daunting. However, IBM Maximo Asset Management is built on open standards–based technology that can help your organization adapt to changing business processes and mission requirements. Built with Java™ 2 Enterprise Edition (J2EE™) technologies, IBM Maximo Asset Management helps enable airports to:

- Leverage the most current technologies available.
- Facilitate efforts to comply with asset reporting guidelines and other regulations.
- More easily access and share data between applications.
- Better integrate with other enterprise management systems.

For more information

To learn more about the IBM Maximo Asset Management solution for airports, contact your IBM representative or IBM Business Partner, or visit **ibm.com**/tivoli

IBM Maximo Asset Management
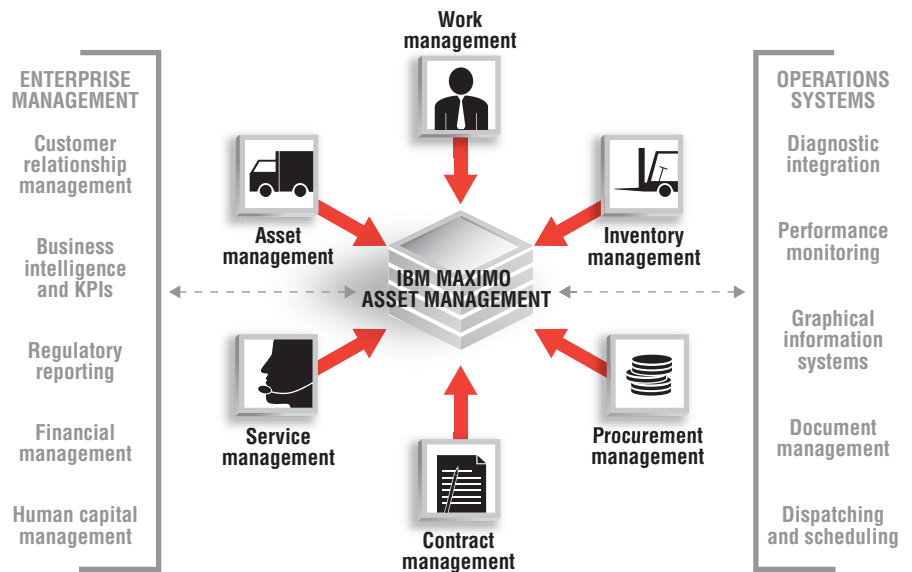
IBM Maximo Asset Management provides a single, unified platform that supports a wide range of asset and service management functions.

About Tivoli software from IBM

Tivoli software provides a 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. Helping meet 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 business 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

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