The Power to Optimize Asset Performance

Do more than manage

Optimize with OptiAM

Andromeda Systems Incorporated
Continuously Pushing the Limits of Innovation, Technology & Conventional Thinking
ISO-55000 defines a physical asset as equipment, inventory, or property owned by a person or company that has actual or potential value to that person or organization. Asset management is the coordinated activities of an organization to realize value from their assets. Asset management involves balancing costs, risks, opportunities and benefits of those assets. Optimization is the process of maximizing or minimizing a desired objective such as uptime or cost. Optimization also takes into account known constraints such as available manpower or maintenance facilities.

OptiAM™ is a physical asset management solution designed to optimize the performance of high-value and mission critical physical assets and fleets.

What our clients are saying...

“Our Inspector told us we no longer had to present all the paper records during our Certification Inspections. The reports show them everything they need without shuffling through folders.”

“In the past, we were only capable of updating maintenance plans annually. This was because the master document was kept locally, updated through the year as changes were required and distributed as hard copies to all locations. Now, because of OptiAM we can make changes to PM tasks within minutes, which is immediately accessible to all users around the country.”

“The FAA was amazed at how easy it was to navigate and find everything they were looking for.”
OptiAM™ is a secure, web-based application, designed to address unique customer requirements. Originally developed for the US Military by experienced maintenance personnel, OptiAM™ is applicable to a wide range of asset types in any environment. Configurable and intuitive, OptiAM™ will satisfy users in any industry.

**Why OptiAM™**

**Built on Analytics**

OptiAM™ delivers results far beyond those of other enterprise asset management systems because it is built on the analytical power of Reliability-Centered Maintenance (RCM) and Supportability Analysis, along with advanced optimization techniques. With these advanced tools and technologies at your fingertips, you can develop predictive maintenance and support programs that continuously improve over time.

- Reduced implementation and training costs and highly competitive licensing costs
- Ability to customize interfaces and processes shortens learning curves
- Designed to support seamless integration with existing applications and databases
- Latest web-based technology ensures maximum reliability and security
- Supports compliance with industry standards such as ISO-55000, LEED and SAE JA1011
- Incorporates latest technology including mobile, Radio Frequency Identification (RFID) and Predictive Maintenance
- Simple and intuitive user interfaces
System Features

Asset Manager
The Asset Manager module identifies, defines, and documents assets. With the Asset Manager you can add assets and define attributes such as serial number, location, warranty, and vendor information. The Asset Manager allows you to group assets into physical and functional hierarchies and identify assets via QR code or RFID tags. The interface provides intelligent searches for quick access to a variety of lists and information about your assets. For spares parts and consumables, Asset Manager will track quantities on hand, establish reorder points, and identify vendor information.

Task Developer
Develop the procedures and identify all of the resources needed to support your assets. Task Developer identifies resources needed to perform preventative and corrective maintenance tasks and groups these tasks into maintenance packages. The Task Developer can also generate electronic maintenance manuals, standard operating procedures (SOP) and emergency operating procedures (EOP). Revisions can be tracked and releases controlled. Task Developer also creates automated checklists for use with the OptiChek™ and FleetChek™ mobile applications.

Gain Real-Time Status and Insight into Asset Performance
**RCM Analyzer**

Perform RCM analysis to identify failure modes and determine optimum maintenance strategies. The RCM Analyzer uses the 7-Step SAE JA1011 RCM process. With the RCM Analyzer you can manage analysis work flow and approval processes and access technical and project management reports for insight into RCM analysis progress and realized benefits. This historical log allows you to evaluate preventive maintenance task changes over time and provides an audit trail to your PM program.

**Maintenance Optimizer**

Optimize your maintenance schedule based on individual asset usage and environment to minimize down time or cost. The Maintenance Optimizer provides a full featured work order management system to schedule, manage, execute and document maintenance workload. It also can schedule actions such as contract or warranty renewals, planned upgrades and set alert triggers to generate automated work orders based on inputs from inspections, PdM or equipment monitoring systems. The Maintenance Optimizer provides near real-time equipment status to other modules in OptiAM™.

**Live Library**

With the Live Library, all available maintenance and operating procedures and resource information are at the fingertips of any user in any location. Live Library stores, associates and classifies technical data associated with individual assets and provides an intuitive, searchable interface for easy access. Live Library also allows the user to print documents and add notes and comments to documents to promote knowledge sharing.
Supportability Optimizer

The one of a kind Supportability Optimizer provides advanced modeling and simulation capabilities to evaluate your support infrastructure and identify optimum support solutions. Supportability Optimizer will help answer questions such as:

1) How many spares should I stock and where should I keep them?
2) Should I establish repair capabilities and if so, how much and where should I locate it?
3) What is an optimum maintenance outsourcing strategy and what is the potential ROI?
4) What is the optimum replacement strategy for an asset?

The Supportability Optimizer will allow you to more accurately predict the support cost components of Total Ownership Cost than ever before. Because it is integrated within the OptiAM™ suite, developing and modeling support scenarios is much faster and easier than using other stand alone modeling or cost analysis tools. This module is scheduled for release in the Summer of 2016.

Tech Manual Publisher

This feature gives the user the ability to create technical manuals at the touch of a button. The Tech Manual Publisher will build maintenance, operating and emergency procedure packages from multiple individual tasks and then optimize sequencing of tasks within a package. With the Tech Manual Publisher, you can create technical manuals, specifications and other documents in a variety of formats from any set of tasks built in Task Developer. Technical manuals can be output in a variety of formats including Adobe PDF and SI000D XML format.
OptiChek™ and FleetChek™ Mobile Applications

Improve maintenance accuracy and efficiency by accessing technical data and documenting work at the point of performance. These applications allow you to operate offline or online via cellular or wifi connection. The applications manage and synchronize work orders at the equipment and gives you access to searchable technical data and attached multimedia such as instructional videos. You can scan parts for work orders and inventory control using optical codes or RFID. OptiAM™ and FleetCheck™ Mobile uses text and media capture to record results and capture electronic checklist results.

System Requirements

*Developed using the latest rich Internet application technology and standard data formats, this solution’s integrated data environment delivers an intuitive and consistent user experience across all major operating systems. It is available as an installed or software as a service (SaaS) system. Please refer to these systems requirements.*

**Installed**

To host OptiAM™ within your IT infrastructure, an installed option is offered. The system can be installed on a shared or dedicated server, which can be either physical or virtual. The operating system must be Microsoft Windows Server 2008 R2 or greater. Additionally, Microsoft IIS 7.5 or greater and Microsoft.NET Framework 4 or greater must be enabled. A separate license for Adobe ColdFusion 10 must be provided or can be included as part of the installation. Finally, Microsoft SQL Server 2008 R2 or greater is required for data storage.

**SaaS**

OptiAM™ is also offered as Software as a Service (SaaS). The many advantages of the SaaS solution include easier setup, lower initial cost, painless upgrades and no system administration. The hosted solution provides for data security, redundancy and backup. Servers are hosted in a professionally managed hosting facility that provides for redundant backup power, fire suppression, redundant tier 1 Internet access and biometric controlled physical access. We manage all software licensing for you.
Andromeda Systems, Incorporated (ASI) is an ISO-9001:2008 company committed to superior technical performance and excellence in customer satisfaction. Our mission is to assist asset and fleet managers in achieving optimal levels of economy, availability, and safety by developing and applying leading systems engineering tools, processes, and expertise. We are headquartered in Virginia Beach, VA, with offices in Lexington Park, MD; Arlington, VA; Jacksonville, FL; Havelock, NC; Oklahoma City, OK and San Diego, CA.

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