ASI Andromeda SYSTEMS INCORPORATED

Your Supportability Teammate

OptiAM®
Optimized Asset Management

OptiAM® is an Enterprise Asset Management Software/(EAM) system designed to be easy to use and quickly implemented while leveraging powerful predictive analytics and mobile technology to convert data into actionable knowledge to optimize asset performance. Originally developed for the exacting standards of the U.S. Military by experienced maintenance personnel, **OptiAM®** applies to a wide range of asset types in any industry environment.
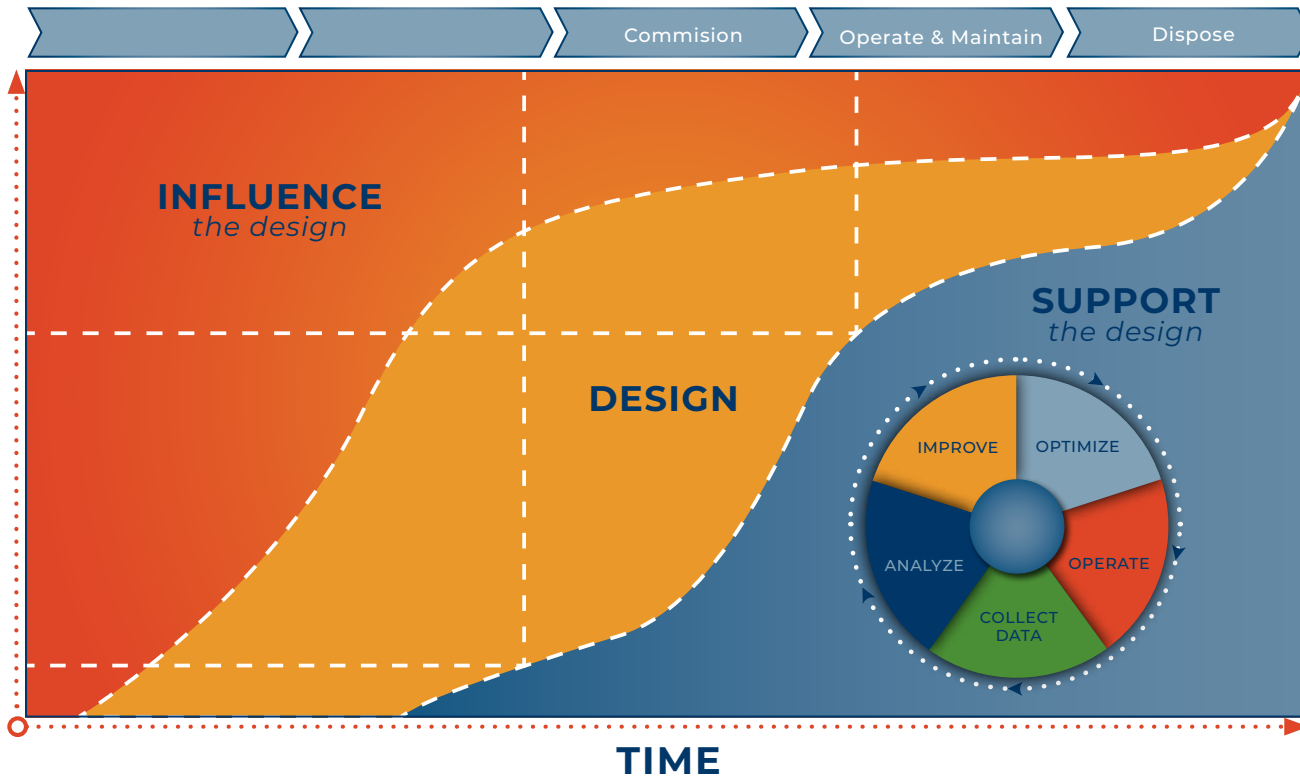
BENEFITS

- Reduced implementation and training costs
- Highly competitive licensing costs
- Designed to support seamless integration with existing applications and databases
- Standards Based Architecture
- Supports compliance with industry standards such as ISO-55000, SAE GEIA-STD-0007, SAE JA1011, and the S Series ILS Specifications
- Ability to customize interfaces and processes shortens learning curves
- Incorporates latest technology including mobile, Radio Frequency Identification (RFID) and Predictive Maintenances
- Simple and intuitive interface
- Latest web-based technology ensures maximum reliability and security
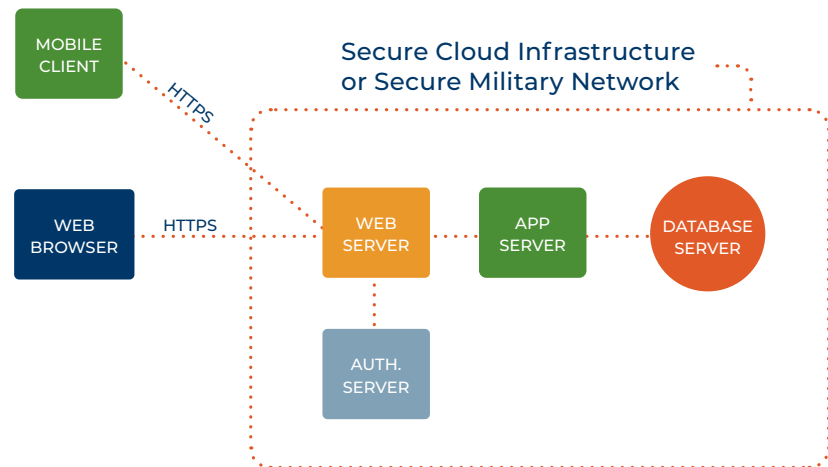
www.androsysinc.com

Why OptiAM®?

OptiAM® is a physical asset management solution designed to optimize the performance of high-value assets.

INFLUENCE
the design

DESIGN

SUPPORT
the design

IMPROVE | OPTIMIZE
ANALYZE | OPERATE
COLLECT DATA

Commision | Operate & Maintain | Dispose

TIME

- Influenced by both the design of the asset and the design of the support system
- Impacted by operating environment
- A function of Reliability, Availability, Cost, and Safety

MOBILE CLIENT

Secure Cloud Infrastructure or Secure Military Network

HTTPS

WEB BROWSER — HTTPS — WEB SERVER — APP SERVER — DATABASE SERVER

AUTH. SERVER

Data is translated into actionable knowledge, enabling continuous improvement.

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.

Asset Management

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.

Reliability Centered Maintenance

RCM analysis is an analytical process that determines appropriate preventive maintenance requirements and other failure mitigation strategies for physical assets. RCM analysis is based on the concept of identifying the optimum failure mitigation strategy for each failure mode of an asset. RCM applies to any industry that requires reliable, cost-effective performance from their assets. Applicable industries include, but are not limited to, Manufacturing, Pharmaceutical, Food Processing, Chemical Processing, Mining, Facilities, Weapon Systems, Aerospace, Agriculture, Alternative Energy, Energy Distribution, and Power Generation.

Supportability Analysis

Perform supportability analysis to identify optimal logistics product data (LPD) to meet operational and maintenance requirements and develop life-cycle cost strategies. Supportability Analyzer is a web-based software application designed to assist the logistician in documenting logistics product data in compliance with the SAE GEIA-STD-0007 standard. Utilize the Supportability Analyzer to develop and support the full spectrum of supportability requirements including reliability, availability, failure modes/effects, maintenance tasks, and planning & provisioning technical documentation needed to meet the operational requirements of the asset.

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OptiAM
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Simple and intuitive user interfaces that help you gain real-time status and insight into asset performance.
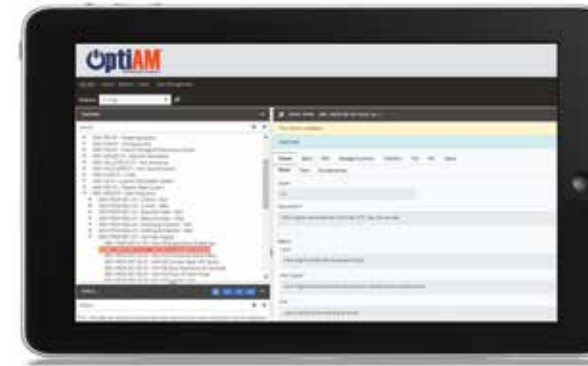
Asset Manager
This module identifies, defines, and documents assets. You can add assets and define attributes such as serial number, location, warranty, and vendor information. The Asset Manager allows you to group assets into physical and functional hierarchies and identify assets via QR code or RFID tags. The interface provides intelligent searches for quick access to a variety of lists and information about your assets. For spare parts and consumables, Asset Manager will track quantities on hand, establish reorder points, and identify

Hardware Builder
Hardware Builder is used to define the physical structure of the assets being managed by OptiAM® which is then used in many other modules. The user can breakdown the hardware in a much or as little detail as required. For each node in the hardware breakdown, users can define acceptable manufacture and part numbers for application on assets. The system supports building of both physical and function hardware trees for detailed analysis using other OptiAM® modules.

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

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.

Supportability Analyzer
The Supportability Analyzer tool is a scalable, robust web-based application. Built on the Microsoft.Net and SQL Server technology stack it can easily be integrated with any compatible business intelligence tool for data mining and analytics. It supports both SaaS on AWS or in premise installation and flexible license models. Supports standard summary reports and saves time with find and search features. Training and customer support comes standard, minimizing the adoption and learning curve times. It can be extended to meet the data exchange requirements for ASD/AIA S series of ILS specifications.

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 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

Work Order Manager
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 can also 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®.

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

OptiAM® and OptiAM® 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 Wi-Fi 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 OptiAM® Mobile use 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 the systems requirements below:

INSTALLED

To host OptiAM® within your company's 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 2016 or later which should include IIS v10 or later and .NET Framework 4 or later. OptiAM® also requires Microsoft SQL Server 2016 or later. If the mobile components are to include an additional license for Adobe Cold Fusion 10 or later must be provided. All backups and restoration would be the responsibility of your company IT department.

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.

What our clients are saying...

"In the past, we were only capable of updating maintenance plans annually. This was because the master document was kept locally, updated through the yearas changes were required and distributed as hard copiesto 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."
- Moran Towing

"The OptiAM® team has been extremely helpful in explaining the software and identifying features that are applicable to our situation. The software is flexible and the team is open to our feedback. They are constantly making improvements to the software"
-Travis Martyn, LafargeHolcim

"As a small business owner, it's critical that we stay a step ahead when it comes to the service and maintenance of our entire brewing operation– from cleaning the boilers to servicing the canning line to making sure all of our vehicles get their oil changed on time. ASI's software program allows us, in one simple to use program, to do just that. It keeps our team on task both today, next week, next month and next year while protecting the investment we've made in our equipment. In short, this program saves us money,"
- L.J. Govoni, Big Storm Brewing

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Your Supportability Teammate

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Andromeda Systems Incorporated (ASI) is an ISO-9001:2015 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.