

# DAXEAM Aero

Enterprise Asset Management (EAM) is a vital component of the aviation and aerospace industry. While many traditional EAM solutions are designed to address specific industry needs, most fall short of managing assets in the context of the broader organization given the stand alone nature of these solutions. **DAXEAM Aero** offers all of the deep functionality for managing operational and financial aspects of aerospace assets while also fully integrating with Microsoft Dynamics AX. Under this integrated environment, **DAXEAM Aero** is part of the enterprise supply chain, providing visibility and control for financial management, human capital management and supply chain management.

Powered by Microsoft Dynamics AX, **DAXEAM Aero** is an end-to-end, integrated aerospace maintenance solution that manages complete asset life cycle, from asset commissioning through maintenance, modification and decommissioning. The powerful integration between the Microsoft Dynamics AX ERP and **DAXEAM Aero** streamlines workflow, allowing users to reduce operational inefficiencies, increase financial transparency and more effectively manage and utilize assets and resources – in the air and on the ground.

## DAXEAM Aero RETURN ON INVESTMENT

### A Single, Integrated Solution

It is no longer sufficient for the maintenance department to have a solution that fits their needs while ignoring the needs of finance, HR and flight operations teams. Increasing regulatory pressures and financial market pressures mean that your maintenance team is now part of the broader enterprise. **DAXEAM Aero** integrates with Microsoft Dynamics AX ERP and comes complete with an integrated scheduling engine, operational history, sortie management, human capital management, skills and license management, document tracking, logging, warranty management, incident/accident tracking, failure management capability and detailed reporting. This means less time keying information between siloed systems, increasing accuracy and providing immediate operational and financial visibility into the organization. By deploying under Microsoft Dynamics AX, **DAXEAM Aero** inherits enterprise wide workflow, powerful business intelligence dashboards, Microsoft SharePoint integration (for document management and sharing), Microsoft Office integration and all the power of Microsoft's leading ERP platform – Dynamics AX.

### Improved Operational Uptime

**DAXEAM Aero** will allow you to maximize the uptime and utilization of your fleet and rotatable assets by ensuring they are properly maintained within the constraints of sorties, ground time, FAA regulations and flight schedules. A complete understanding of asset groupings, component histories and service requirements ensure that your assets reach their destination in optimal working order – fully documented with total visibility throughout the enterprise. Meters can be attached at to any asset, sub asset or rotatable, allowing hours, trip counters, knots or any number of user defined measures to be captured.

### Reliable Programs through Simulation

Build and deploy comprehensive maintenance, environmental and safety programs by simulating operational periods based on real-world estimates of workload and budget. By applying asset utilization forecasts to your operational schedules, you can be confident that the parts inventory, rotatables, consumables, financial, human and physical resources required (along with the necessary tools) to execute your programs are in place.

### Predictive, Planned and Ad Hoc Maintenance

**DAXEAM Aero** supports predictive maintenance plans that may be provided by your parts manufacturer, FAA regulations or by your own safety policies. Unlimited metering means that even the most complex scenarios can be programmed and managed. Service requests from mechanics and flight crew are also captured, tracked and managed. Of course planned maintenance is also supported.



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## DAXEAM Aero FEATURES

- Base Module Asset Management
- Predictive and Corrective Maintenance with Scenario Analysis
- Maintenance Work In Progress (WO Management)
- Service Requests
- Warranty Management
- Failure Management
- Incident and Accident Management
- Modification Management
- Operational Work in Progress (Trips and Sorties)
- Predictive Maintenance (Condition Monitoring and Inspections)
- Permit Management
- Workflow and Approvals
- Asset Lifecycle Tracking – From Manufacture to Commissioning, In/Out Service, Decommissioning
- AX Enterprise Portal for Management Reporting (Analysis and Performance)
- Document Management and Sharing
- Dynamics AX Interface for Trade Logistics, Finance, and Fixed Assets

## SOLUTION FUNCTIONALITY

### Tracking and Compliance

No aerospace MRO solution would be complete without fully supporting regulations for tracking components. **DAXEAM Aero** provides life cycle tracking of a parts movement from manufacture, every in and out of service record through to retirement. By exposing these records through SharePoint, safety auditors and regulators can quickly check and verify your compliance.

### Safety and Regulatory Visibility

**DAXEAM Aero** helps ensure safety and regulatory policies are documented and easily accessible by all employees. Changes to policies can be published to the SharePoint portal, and all affected employees can be notified. Deviations from policy can be identified and management alerted for corrective action. Incidents and accidents are managed, documents cross referenced and shared with all relevant departments – HR, Safety Audit, Maintenance or Finance. Videos, diagrams and manuals can also be stored, linked to assets and accessed by staff.

### Asset Registration and Configuration

Record, monitor, structure and standardize information for physical assets. Retain details such as identity, configuration, hierarchy, and technical and commercial specifications. Track each asset's current and historical locations, maintenance schedule, failure and downtime history, allowing for comprehensive asset performance measurement and cost analysis.

### Routine and Ad Hoc Maintenance for Mobile and Fixed Assets

Accommodates all categories of maintenance work and scenario planning. Job card allocation provides work order creation and scheduling for corrective, planned, inspection or lubrication management.

### Warranty Management

Warranty status tracking checks all open work orders to identify jobs and assets eligible for a claim against a supplier. Accommodates meter and calendar based warranties in addition to multiple supplier, equipment and asset specific warranties.

### Incident, Accident, Inspection and Permit Management

Manage critical policy and regulatory driven business functions such as incident and accident management, environmental surveys, safety inspections, and permit management. Enter data easily with task event templates. Forecast and simulate planned operations by defining utilization scenarios to generate a complete safety or environmental program that includes cost and resource requirements for a defined period.