

Ramco MRO Solution

Meet the most intelligent
and powerful MRO software.



ramco
aviation
software

The future of
aviation software,
today.

Revolutionize your MRO operations with Ramco MRO Solution. Optimizing Component, Engine, Line, and Hangar MRO Services.

Get them off the ground. And keep them there.

Ramco Aviation MRO Software is a comprehensive solution designed to meet the unique needs of Maintenance, Repair, and Overhaul (MRO) operations in the aviation industry. As aircraft become increasingly complex and regulatory demands grow, the need for an integrated, end-to-end software solution has never been greater.

Ramco's Aviation MRO software is purpose-built to streamline operations, enhance efficiency, and reduce costs, ensuring your fleet remains in peak condition with minimal downtime.



Component MRO

Component MRO is critical to ensuring the readiness and reliability of your aircraft. Ramco's software provides a unified platform that manages the entire lifecycle of aircraft components, from receipt to ARC release.

The solution includes:

- **Component Receipt to ARC Release:** Ensuring all components meet regulatory standards.
- **Quote Management & Invoicing:** Streamlined processes for faster turnaround.
- **Customer Interaction Capabilities:** Enhanced usability and interaction for better service.

With Ramco's Component MRO module, you can reduce manual errors, ensure compliance, and enhance operational efficiency.

Engine MRO

Engine maintenance is one of the most critical and cost-intensive aspects of aviation MRO. Ramco's Engine MRO software module offers robust support for:

- **Slot Management:** Efficiently manage engine repair slots to maximize throughput.
- **Work Scope Evaluation:** Ensure thorough inspection and maintenance.
- **Maintenance Tracking:** Keep detailed records of engine performance and maintenance history.
- **Digitized Task Cards:** Automate and standardize engine maintenance tasks.

By leveraging Ramco's Engine MRO capabilities, airlines and MRO providers can reduce maintenance costs, improve accuracy, and accelerate turnaround times, keeping engines running smoothly and reliably.

Line MRO

Line maintenance is vital to maintaining operational readiness with minimal downtime. Ramco's Line MRO software ensures:

- **AMO and Line Station Maintenance Operations:** Seamless integration with day-to-day operations.
- **Defect Reporting and Work Scoping:** Real-time defect reporting to streamline maintenance tasks.
- **Flight Service Billing:** Automated billing processes to enhance financial transparency.

Ramco's Line MRO module allows for real-time data access and process automation, ensuring that your line maintenance operations are always ahead of schedule.

Hangar MRO

Managing hangar maintenance operations requires meticulous planning and execution. Ramco's Hangar MRO software simplifies this complexity by offering:

- **Aircraft Induction to Billing:** A comprehensive workflow from the time an aircraft enters the hangar to its final billing.
- **Work Scope Management:** Ensure all tasks are planned, assigned, and completed efficiently.
- **Customer Interaction Capabilities:** Enhanced usability and interaction for better service.

With Ramco's Component MRO module, you can reduce manual errors, ensure compliance, and enhance operational efficiency.

Key Benefits

Ground-up Aviation MRO Software

- Software for Every MRO Segment
- Simplified Workscoping and Managing Iterations
- Enhanced Work Execution Features for Complex Assembly Operations
- Robust Framework for Defining and Tracking Limits of LLP Parts
- Comprehensive Pricing and Billing

Digital Value Chain

- Modern Customer Portal
- Integration with OEMs
- eForms
- Mechanic Anywhere for a Digital MRO / Airline World
- EDI Integrated in Hubs
- One-on-one Chat in Mechanic Anywhere
- Documentation Hub
- Shipping Carrier Integration

Contract-to-Cash

- Enhanced Contracting and Contract Baselines with Downstream Integration
- Contract Parameters Driving Execution
- Automated Engineering Compliance and Controls
- End-to-End Automated M&E MRO Accounting
- Invoicing & Realization



Tech Led Optimizations

- Intelligent Aviation MRP
- Production Work Order Scheduling & Optimization
- Discrepancy Clustering and Troubleshooting using AI/ML
- Auto Codification for Supplier Invoices
- Cognitive Discrepancy Reporting & Resolution
- Frequently Requested Parts

Advanced Supply Chain

- Intelligent Aviation MRP
- Automated Procurement
- Decision Support and Review
- Digitizing Part Routing Operations Enhancements in Repairs, Rentals, & Warranty
- Continuously Enriching Apps for Further Efficiencies
- Extending Eco-System Integration

Strengthened Compliance and Controls

- Advanced Control Checks in Planning & Compliance of Engineering Docs
- Task Sign-Offs with Biometrics & Geo-Fencing
- Enhanced Capability and Certification Checks for Parts and Services
- End-to-End Solution for Managing US Defense Contracts
- Trade Compliances for ITAR Parts

Ramco Aviation Software

Onboard a Single platform On Cloud / On Premise

Engineering & CAMO	Maintenance	Supply Chain		MRO & Part Sales	Flight Operations	Safety, Quality, Compl.	Manufacturing	Employee Management	Finance & Accounting
Configuration Management	Line Maintenance	Parts Administration	Supplier Management	Customer Management	Journey Log Entry	Compliance Reporting	Product Data Management	Employee Information	Enterprise Setup
Maintenance Program	Hangar Maintenance	Warehouse Management	Procurement Administration	Contract Management	Flight Charter Contracting	Quality Audit Management	Planning and Scheduling	Certifications & Qualification	General Accounting
Technical Records	Engine Maintenance	Material Planning	Repair & Exchange Mgt.	Customer Order Management	Flight Sheet Management	Occurrence Reporting	Manufacturing Execution		Accounts Payable
AD & SB Management	Shop Maintenance	Stock Management	Loan & Borrow	Quotation and Pricing	Crew Scheduling	Standard Reliability	Engineering Change		Accounts Receivable
Maintenance Planning	Tool & GSE Management	Physical Inventory & CC	PBH & Consignment	Part Pooling & Exchanges	EFB Central				Management Accounting
Task Card Management	Dent & Buckle Administration	Inventory Analysis	Claims & Warranty Mgt.	Part Sale Management	Flight Contract Invoice				Fixed Assets
Library Management	Assignments & Time Tracking	Scrap Management	Goods Receipt	MRO Warranty					MRO Invoice
e-Publication	e-Signoff	Shipping	Part Kitting & Marshalling						Financial Posting Engine

Enterprise Add-ons

Hubs			Mobility		Platforms		In-memory Planning & Optimization (IPO)		Eco-System	
Work Reporting Hub	Procurement Hub	Customer Order Hub	Warehouse Anywhere	Approval Anywhere	Workflow	Integration Gateway (IRIS)	Resource Optimization	Inventory Optimization	SPEC 2000	FedEx
Shop – Quick Actions Hub	Inventory Hub	Fixed Asset Hub	Mechanic Anywhere	Tool Anywhere	Dashboards	MAIL IT	Digitization		Customer Portal	OEM Data Interface
Technical Records Hub	Repair Hub	Accounts Payable Hub	Manage Anywhere	Fly Anywhere (EFB)	AI / ML	BoTs	Digital Task Card			
Engineering Hub	Demand Hub	Financial closure Hub	Line Anywhere (Offline)	Crew Anywhere	Report Writer	I-Extension Development Kit				
Engine Visit Hub	Part Kitting Hub	Fleet Overview Hub	Route Anywhere		E-forms					

Our Advanced Technological Features

Cloud-Based Solutions



Accessible from anywhere, anytime, on any device.

AI & ML Integration



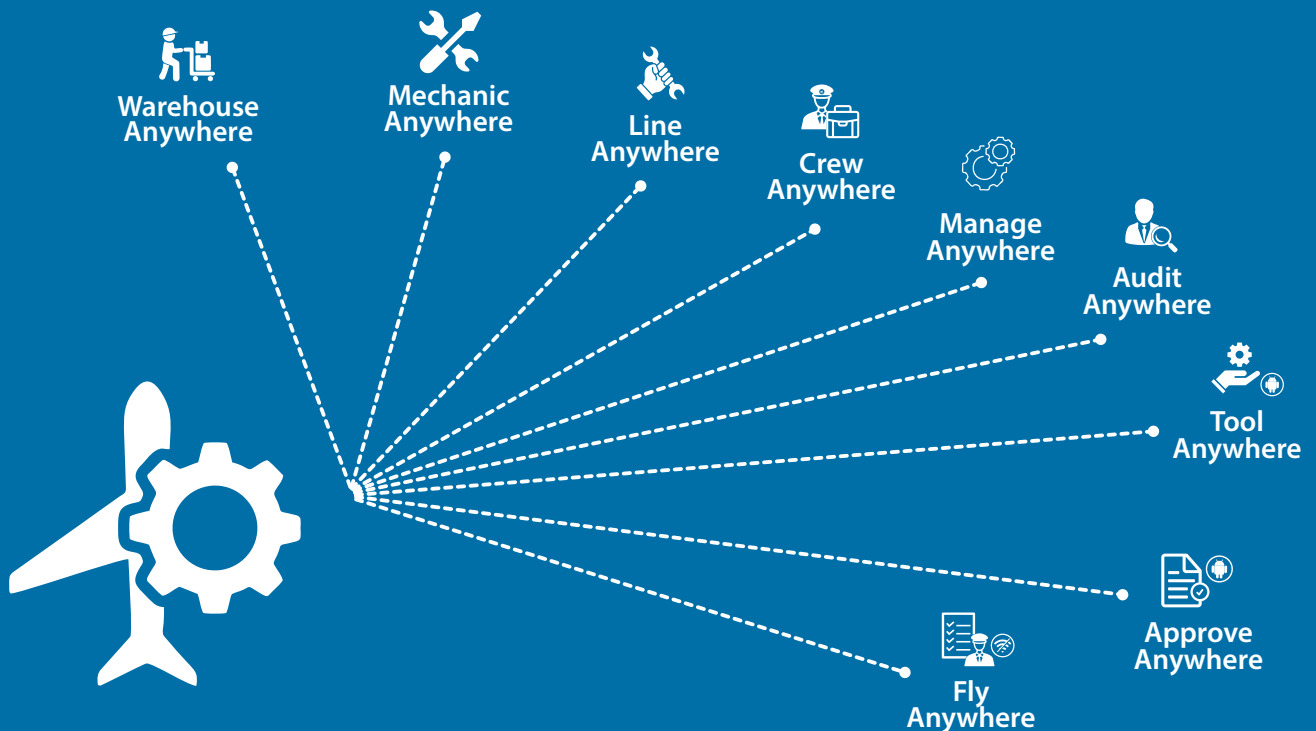
Automate processes and gain predictive insights.

Multi-Tenant Capability



Scalable solutions tailored to your specific needs.

Ramco Mobile Apps Driving Digital Transformation



Barcode



AI / ML



E-Sign



Notifications



Voice



Facial &
Camera



Chats



Multi-
Language

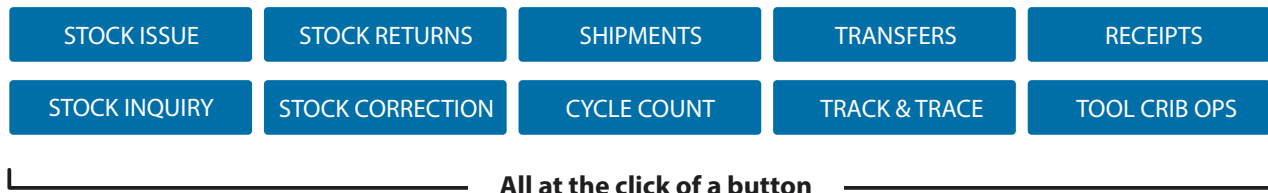
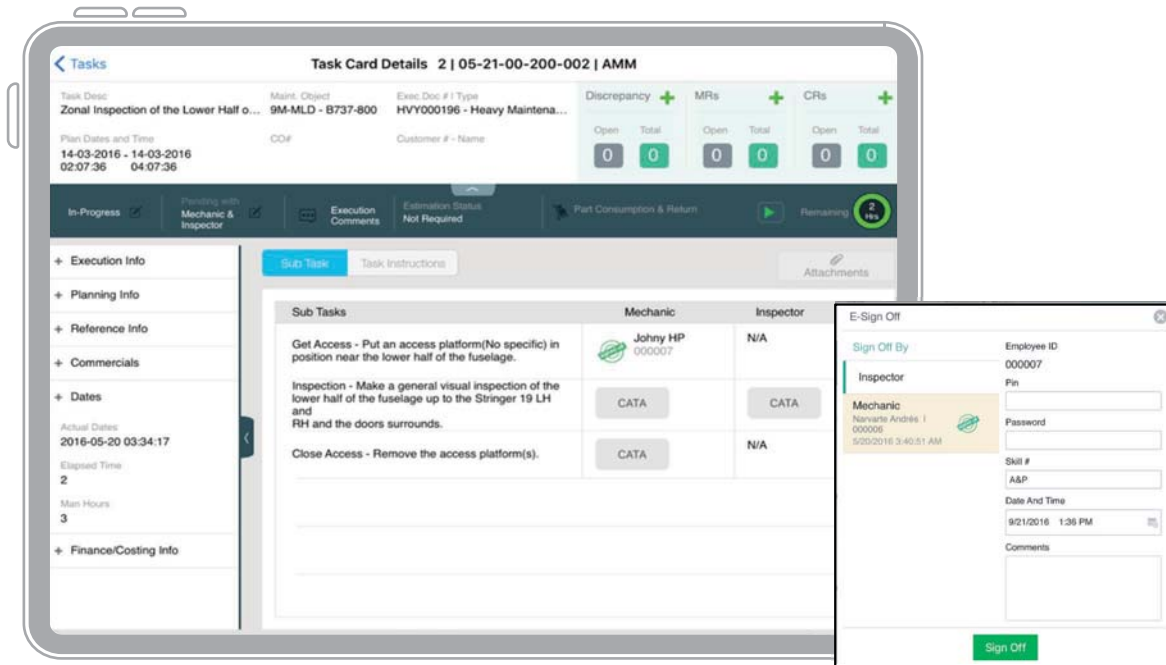


Maps &
Live Tracking

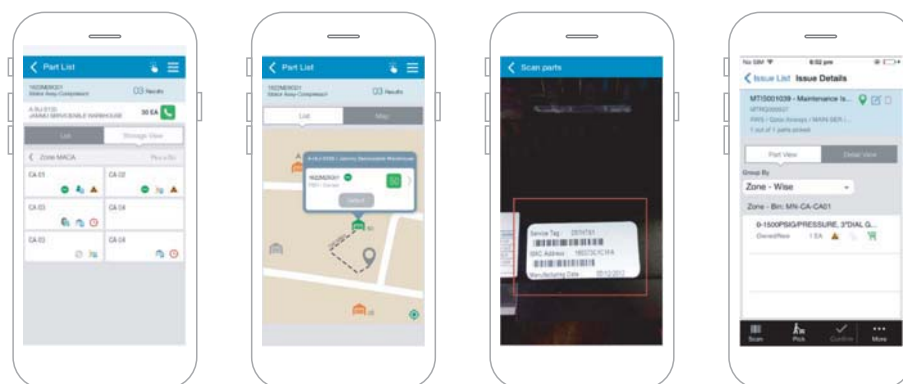


Offline

Mobility - Digital task card access for mechanics with electronic signature

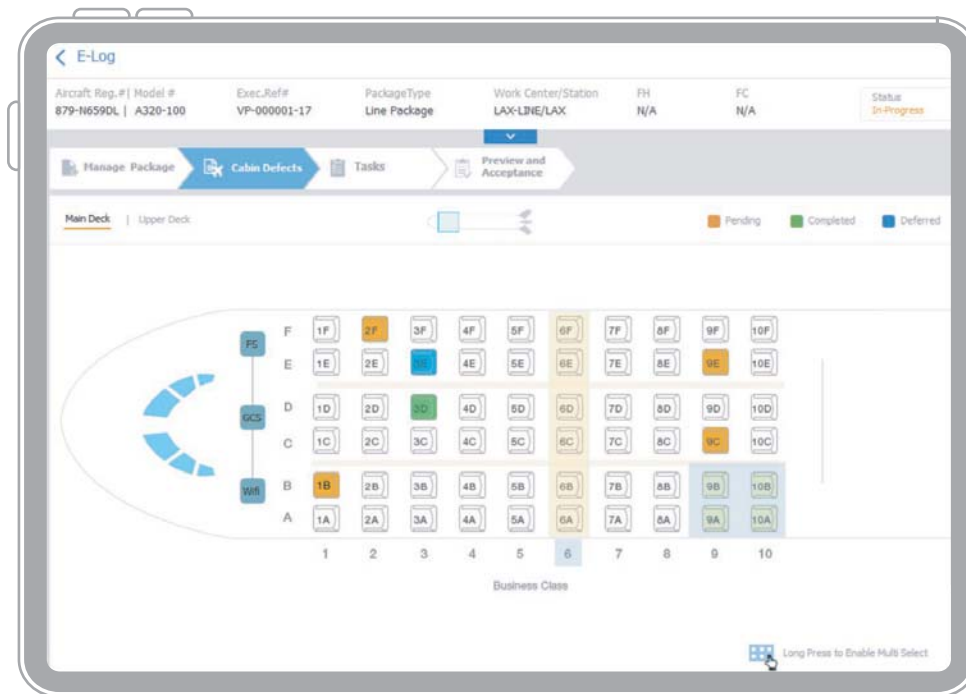


Mobility - All Stores Activities ON a mobile



Pin turns red when outside the fence, disallowing warehouse actions

Mobility: Electronic Log



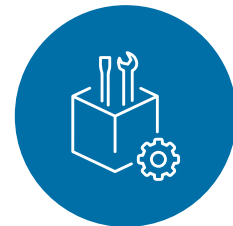
A system that can take actions proactively



Automatic
Mechanic assignment



Assisted Discrepancy
recording and suggestion of
corrective actions



Auto suggestion of task parts
and resource requirement

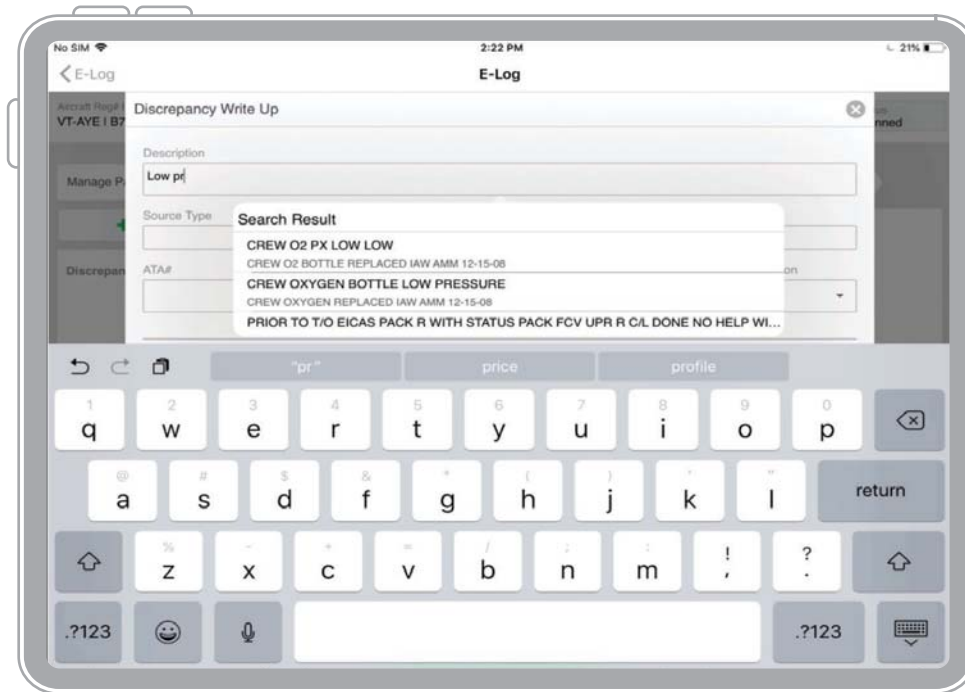


Parts ordered
together frequently



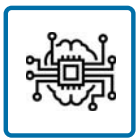
Re-confirmation of task
sign-off – rejection risk

Assisted Discrepancy recording



Assisted discrepancy recording - based on the task the mechanic is performing on a particular aircraft part

Ramco Intelligent ERP powered by Artificial Intelligence



Cognitive Intelligence
for Data entry



Visual - Facial



Natural Language based
Chat BOTS and Voice
Assistants



Intelligent Notifications
& Actions



Ramco Systems - Aviation, Aerospace and Defense Overview

Part of USD 1 billion Ramco group


over
90 Customers

across
35 Countries

30 Global offices




4000+ Aircraft


24000+ Users

Serving



MROs



Defense



Heli Ops



OEMs



Airlines



Charters



Drones

25+ Years of Implementation Experience

Ramco's Key Customers Worldwide

 KOREAN AIR	 AERO NORWAY Quality Engines	 الإتحاد ETIHAD ENGINEERING	 Panasonic
 GENERAL ATOMICS AERONAUTICAL	 L3HARRIS™ FAST. FORWARD.	 leidos	 Transport Canada
 babcock trusted to deliver	 Patria	 BELL	 AIRBUS
 AEL AI ENGINEERING SERVICES LIMITED	 GAR AERO TECHNIC	 Indamer We Know Your Aircraft	 Emirates
 Philippine Airlines	 Republic Airways	 air calédonie	 AIR TAHITI
 PPI	 Bristow	 Air Methods KENTUCKY DEFENDERS OF TOMORROW	 COLUMBIA HELICOPTERS
 Tactical Air Support, Inc.	 TOP ACES	 DRAKEN International	 ATAC A Textron Company
 LIFE FLIGHT NETWORK	 Global Medical Response	 PATHFINDER AVIATION	 MAG AEROSPACE
 HEVILIFT	 الخطوط الجوية العراقية Iraqi Airways	 CONAIR AERIAL FIREFIGHTING	 NETJETS®

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The future of
aviation software,
today.



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