



ramco
aviation
software v6.0

The future of
aviation software,
today.



Version 6.0 means the future of aviation software, today.



6 benefits.

#1

Purpose Built Engine MRO

- Purpose-Built Engine MRO tailored for the aviation industry
- Seamless Engine Configuration Lifecycle Management
- Simplified Workscoping and Managing Iterations
- Enhanced Work Execution Features for Complex Assembly Operations
- Robust Framework for Defining and Tracking Limits of LLP Parts
- Graphical Intuitive Hub for Marshalling and Kitting
- Comprehensive Pricing and Billing for Engine Maintenance

#2

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
- Document Hub
- Shipping Carrier Integration

#3

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



#4

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

#5

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

#6

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

1 solution.

Version 6.0 means you don't have to watch your six anymore. We'll do it.

Ramco Aviation Software v6.0 isn't just any upgrade—it's a revolution in how aviation businesses can function. Those who run aviation businesses know the anxieties of thousands of moving parts, each of which matters. And we have built a software that takes care of all aspects of aviation businesses.

This release introduces groundbreaking technologies and capabilities designed to transform your business for process automation, visibility, scale, and profitability, today and tomorrow. Take advantage of AI-driven insights, advanced automation, and seamless integration of processes—each custom-built for the aviation industry. Whether your business is in MRO, or heli ops, or defense, or OEMs, or commercial airlines, or charters, or drones and eVTOLS, Ramco Aviation Software v6.0 is the only software solution you will ever need.



Purpose Built Engine MRO

Version 6.0 means you'll get through all the Gates, 0 to 4, in no time. Easy.

Maximize engine efficiency with tailored MRO solutions that simplify complexity.

Ramco Aviation Software v6.0 offers a specialized solution for engine MRO, focusing on seamless configuration management and enhanced work execution. With advanced tools designed to track engine lifecycle, manage life-limited parts, and simplify workscoping, this solution ensures efficiency and precision at every stage of engine maintenance.



Seamless Engine Configuration Lifecycle Management:

- Specialized hub for tracking engine configuration across various gates.
- Automated process for evolving engine configuration during visits.
- Management of configuration rules on components and piece parts.

Simplified Workscoping and Managing Iterations:

- Comprehensive framework for automating workscoping for engines, modules, and piece parts.
- Efficient planning for Service Bulletins with workscope amendment assessment.

Enhanced Work Execution Features for Complex Assembly Operations:

- Improved execution solution for complex assemblies.
- Access to digital task cards, videos, and documents.

Robust Framework for Defining and Tracking Limits of LLP Parts:

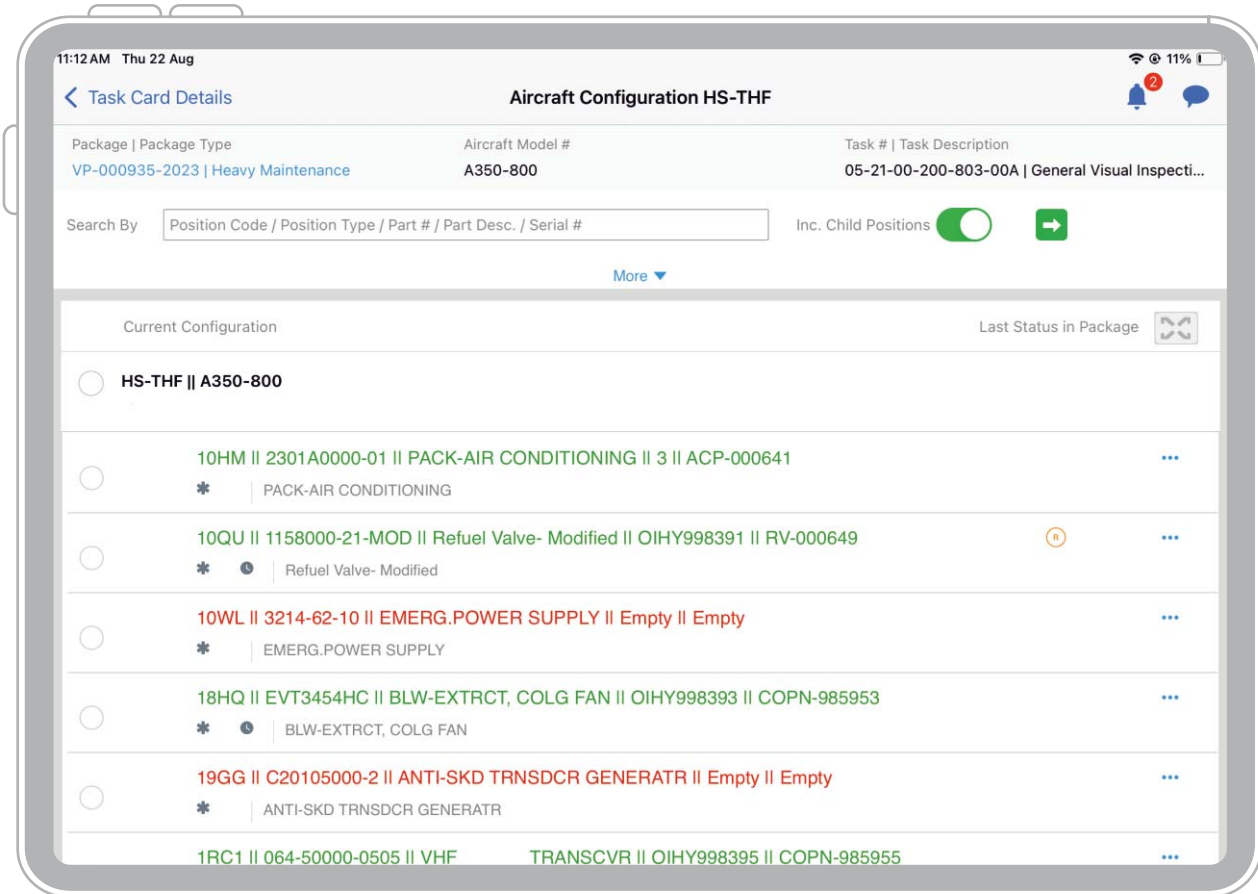
- Accurate computation of remaining life of life-limited parts.
- Decision support for comparing remaining life against target build requirements.

Graphical Intuitive Hub for Marshalling and Kitting:

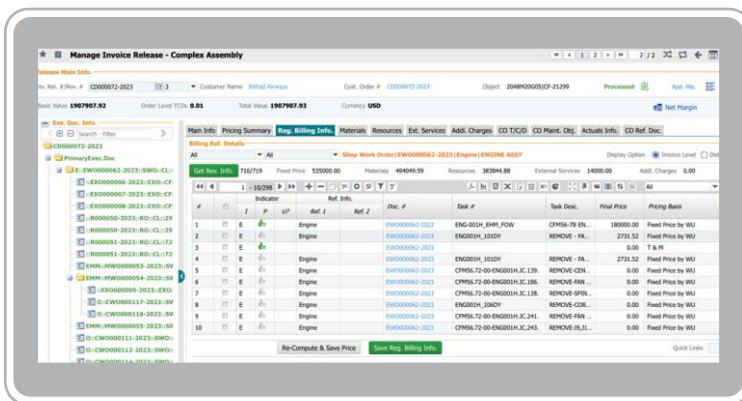
- Complete visibility of parts traced back to target configuration.
- Automatic kitting inspection function.

Comprehensive Pricing and Billing for Engine Maintenance:

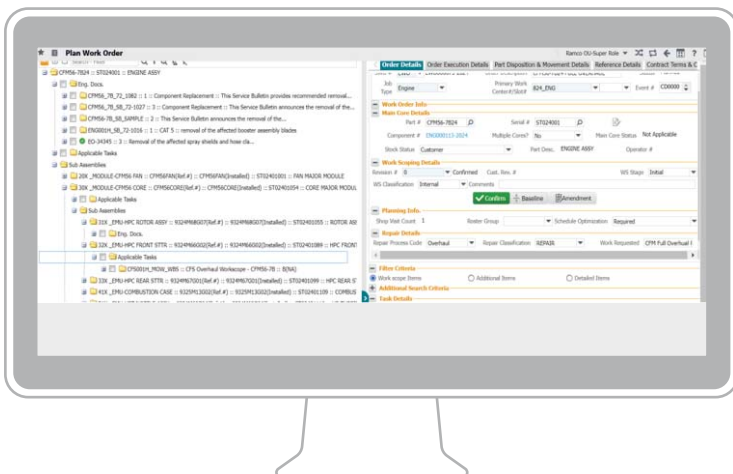
- Support for various pricing models (e.g., Fixed Price, T&M, PBH Arrangements).
- Automatic application of inclusions, exclusions, and repair limits.



Engine maintenance Configuration



Engine Invoice Release



Work Order Planning SC

Digital Value Chain

Version 6.0 means every part of your business stitched together by one strong thread.

Achieve seamless digital integration across your operations with connected tools and portals.

The digital thread connects various components of Ramco Aviation Software, offering seamless integration of documents, portals, and apps. This module ensures that all digital interactions, from customer portals to task card digitization, are efficient, secure, and user-friendly.



Modern Customer Portal:

- Refreshed portal for digital interactions, approvals, and document exchanges

Integration with OEMs:

- Easy connecting and coordinating with OEMs to ensure that products, parts, and services are seamlessly integrated into your operations.

eForms:

- Fully digitized data entry forms associated with transactions.

MechanicAnywhere for a Digital MRO/Airline World:

- Support for various operational features on Android tablets and iPads.-
- Enhanced task card digitization and sign-offs.

EDI Integrated in Hubs:

- Extended eco-system integration for seamless order management.

One-on-one Chat in Mechanic Anywhere:

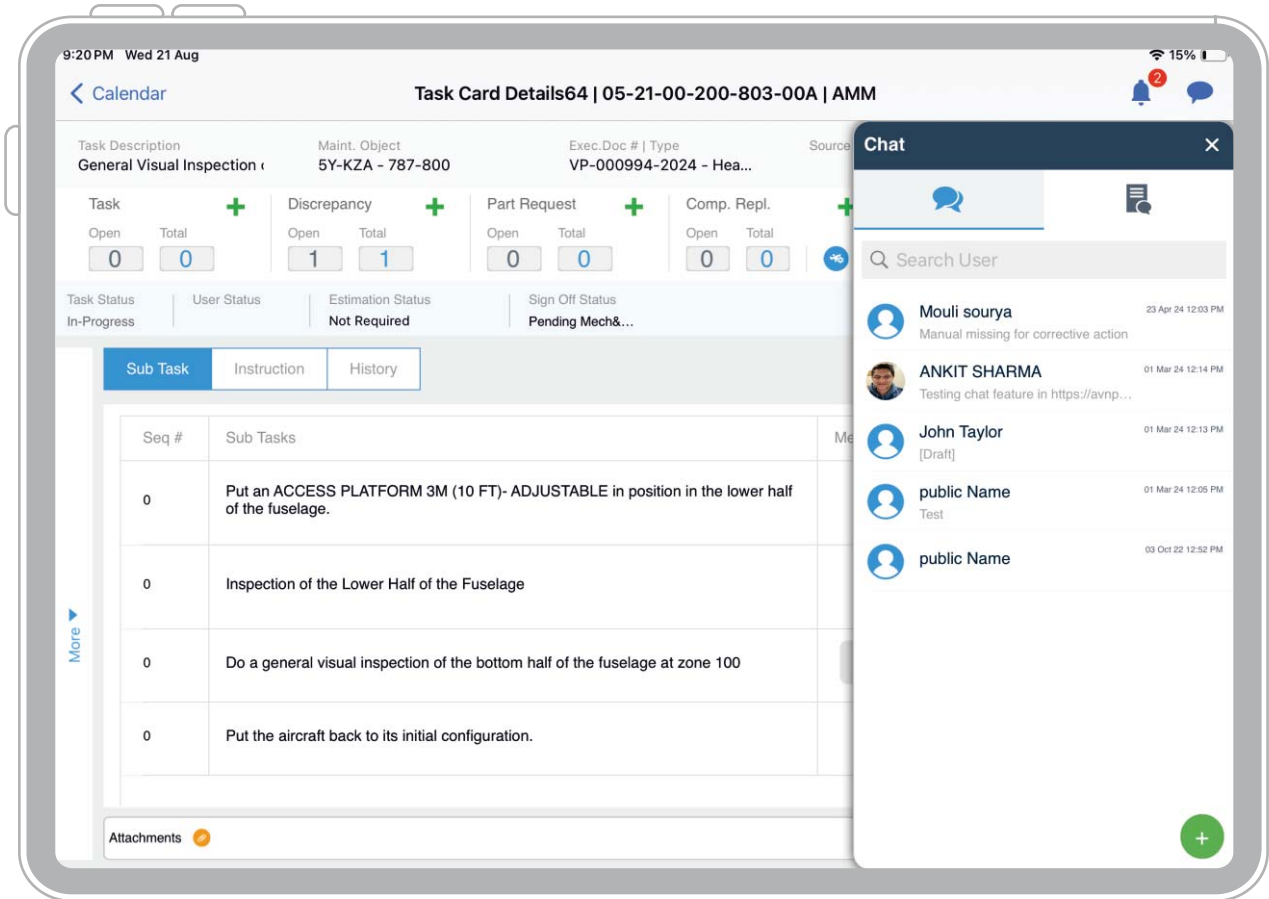
- Chat feature with support for text, images, videos, and links.

Document Hub:

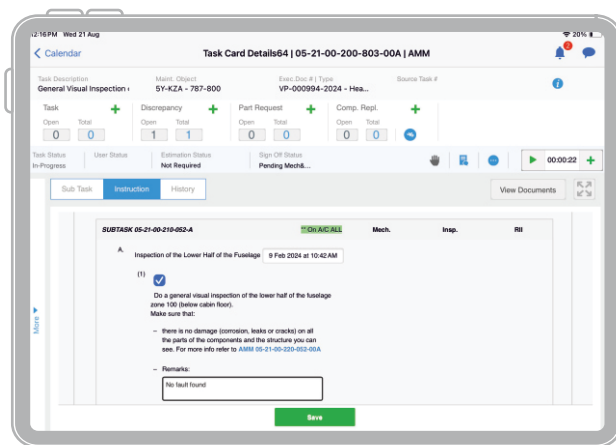
- Refined document attachment functionality with advanced search capabilities.

Shipping Carrier Integration:

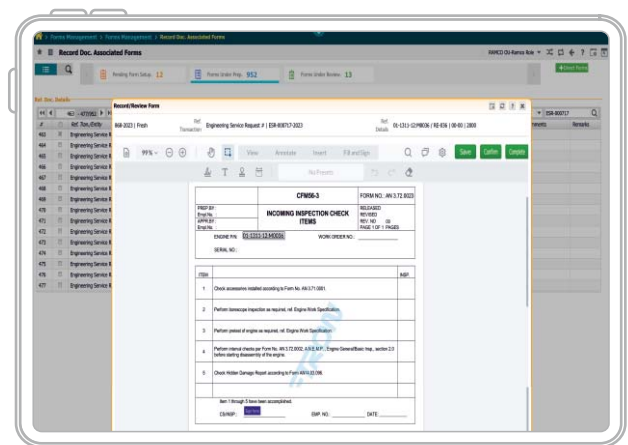
- Integration with DHL and FedEx for international shipments.



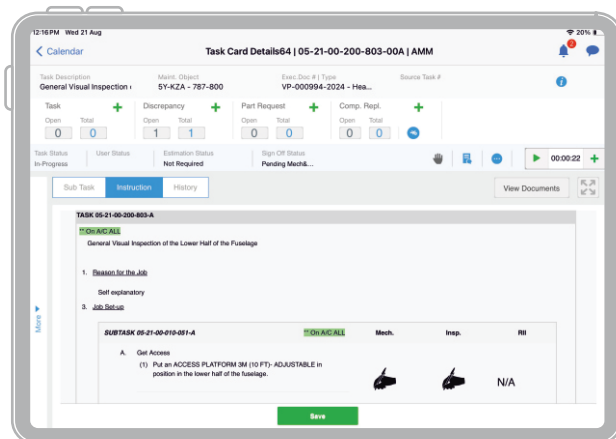
Chat & Collaborate



Digital taskcard



Eforms Now editable



Digital taskcard

Contract-to-Cash

Version 6.0 means from invoicing to ka-ching, everything in one smooth flow.

Streamline your financial workflow from bid to cash with full automation.

The complete bid-to-cash process is automated and integrated within Ramco Aviation Software V6.0, streamlining everything from initial bids to invoicing. This powerful module enhances contract management, compliance, and accounting, ensuring that each step is efficient, accurate, and aligned with customer expectations.

Enhanced Contracting and Contract Baselines with Downstream Integration:

- Strengthened contract frameworks with additional pricing and billing rules.

Contract Parameters Driving Execution:

- Digitized contractual rules.
- Improvements in automatic material allocation.
- Enhanced exception management during execution.

Automated Engineering Compliance and Controls:

- Seamless management of MOD numbers and task compliance.

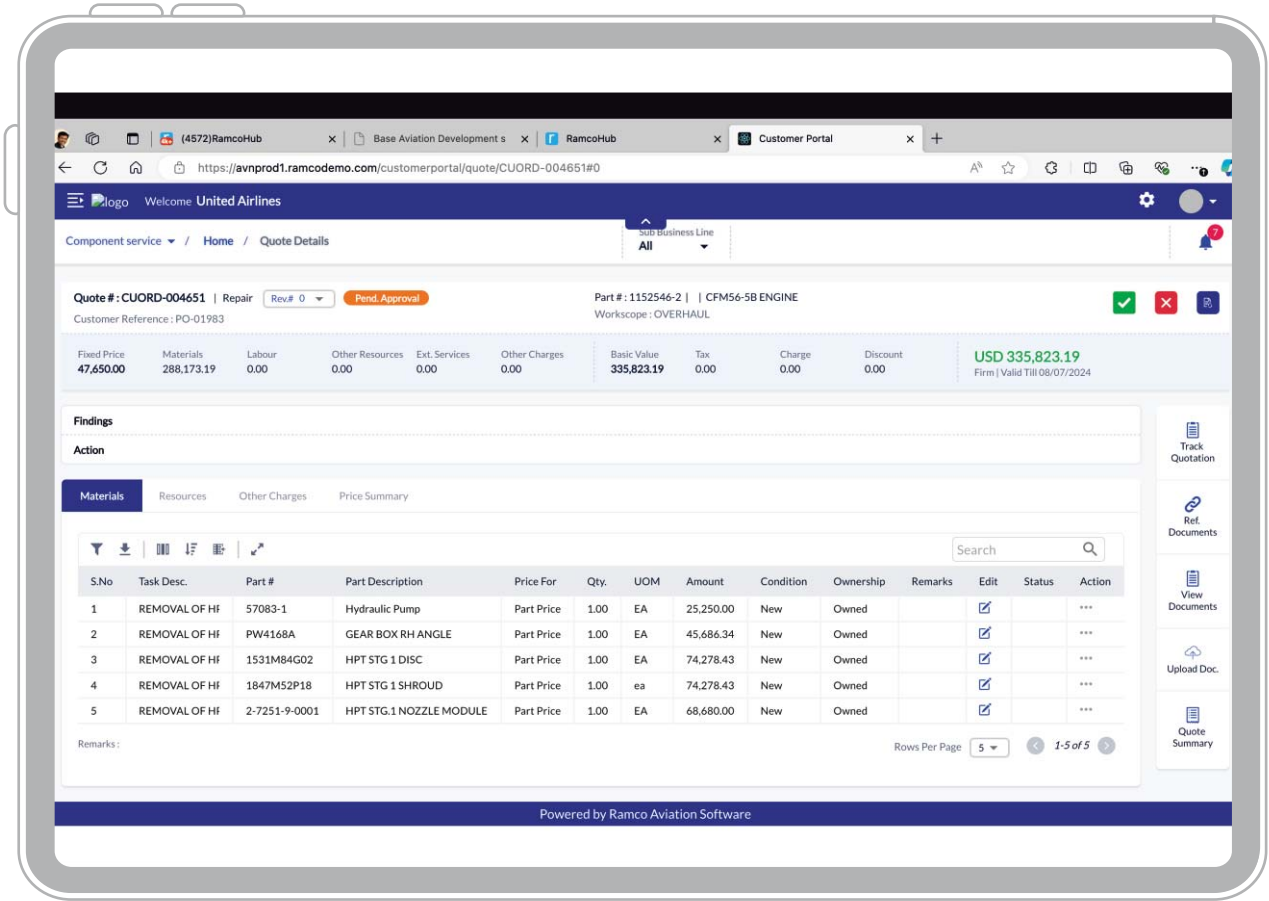
End-to-End Automated M&E MRO Accounting:

- Refined accounting for exchange transactions and labor overheads.

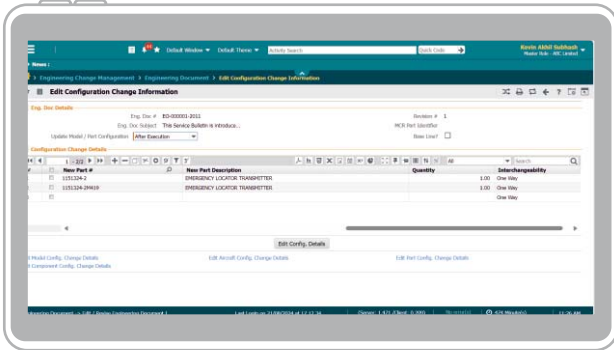
Invoicing & Realization:

- Automatic processing of invoices with advanced features.

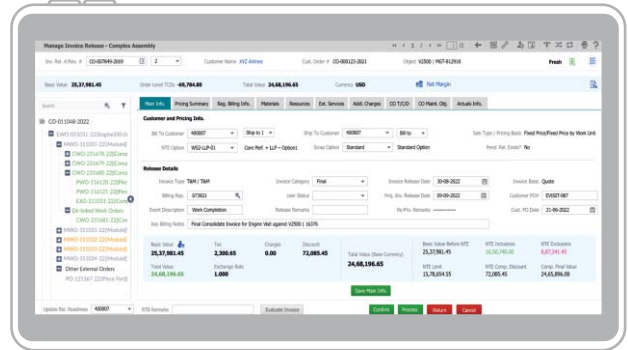




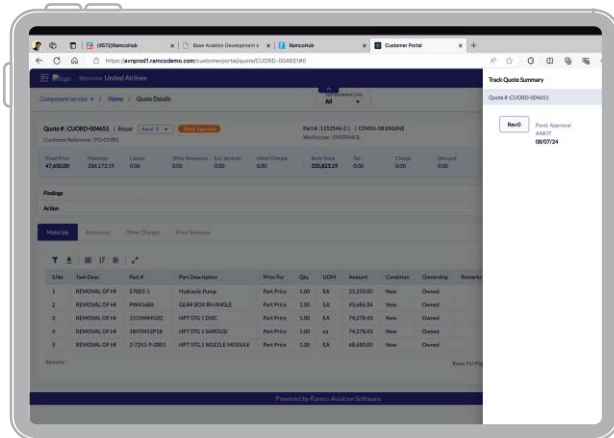
Enter Bid Details



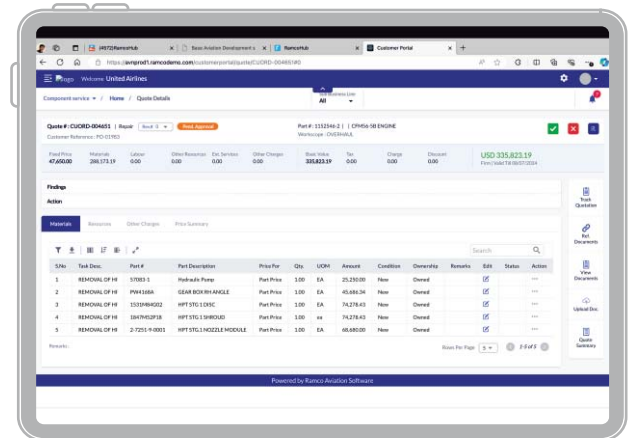
Edit Order Qty



Check Pricing (with NTE inclusions and exclusions)



Seek Customer Approval



Confirm Order

Tech Led Optimizations

Version 6.0 means your natural intelligence now has a powerful algorithmic ally.

Leverage AI/ML to optimize planning and predictive maintenance for proactive operations.

Ramco's AI/ML-infused technologies bring advanced analytics, predictive maintenance, and intelligent decision-making into the aviation industry. The system optimizes planning and scheduling, automates coding, and even suggests parts and corrective actions based on past data, helping your organization stay ahead of the curve.

Intelligent Aviation MRP:

- Intelligent forecasting of long-term part requirements with Minnal in-memory planning engine. Detailed allocation logic and demand-supply matching.

Production Work Order Scheduling & Optimization:

- Advanced in-memory planning engine for precise scheduling and task assignments.

Discrepancy Clustering and Troubleshooting using AI/ML:

- Automatic clustering of discrepancies for MCC personnel to resolve efficiently.

Auto Codification for Supplier Invoices:

- ML-based auto codification for quicker invoice processing.

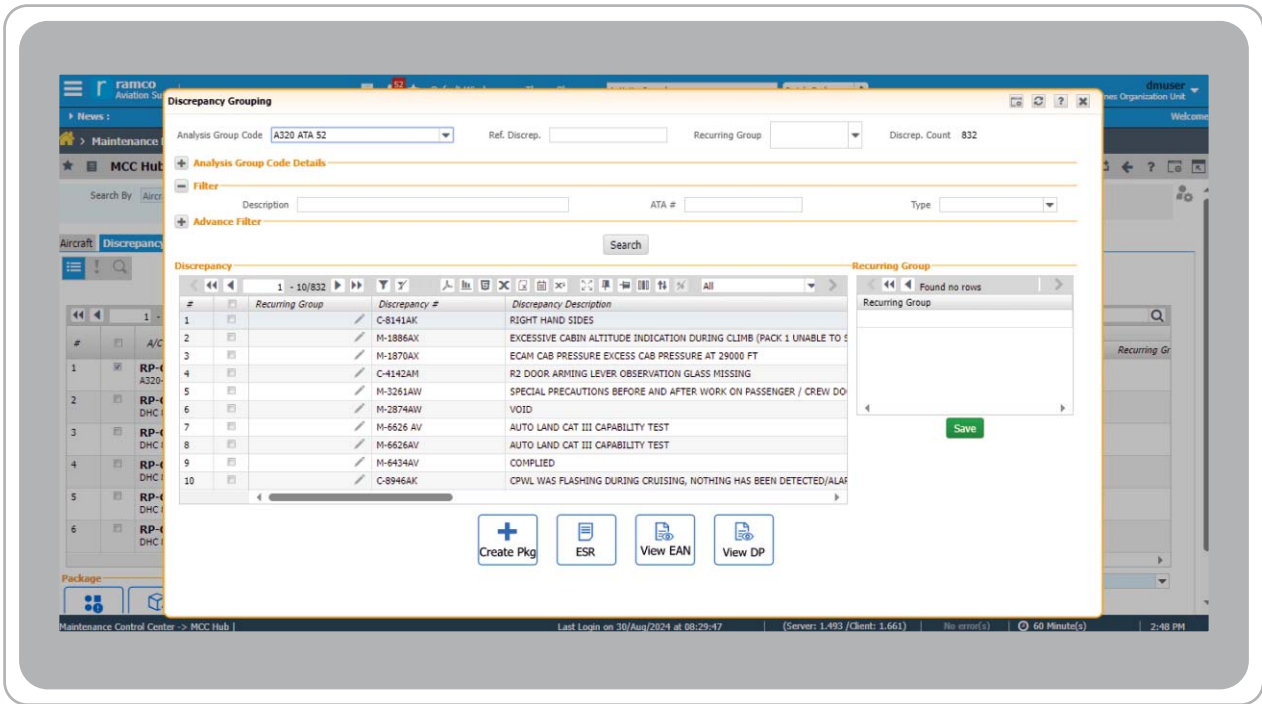
Cognitive Discrepancy Reporting & Resolution:

- AI-powered suggestion of discrepancy descriptions and corrective actions.

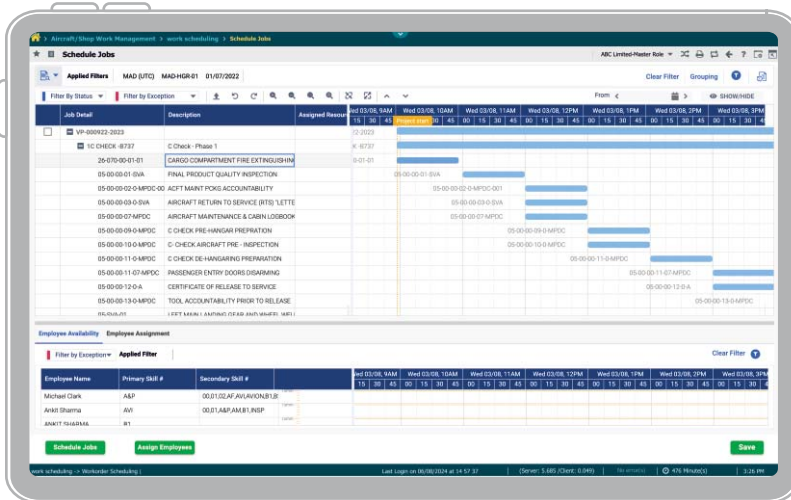
Frequently Requested Parts:

- ML-based suggestion of frequently ordered parts.

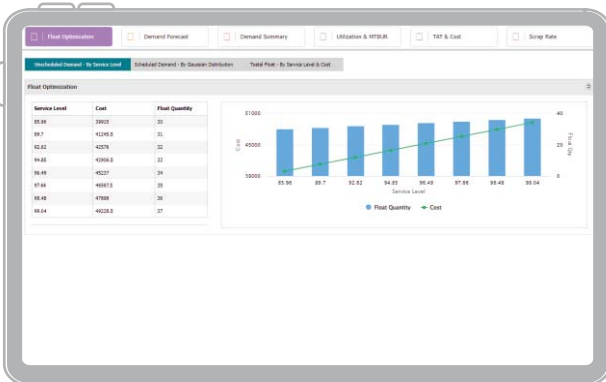




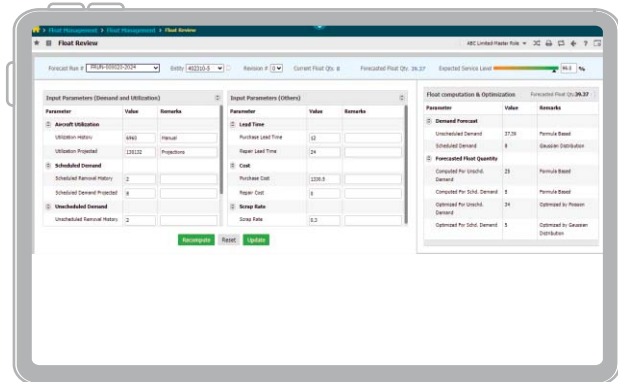
AI-based Discrepancy detection during Maintenance



AI-based Work Order Scheduling



Demand -Supply Matching using Minnal



Float Mgt 1

Advanced Supply Chain

Version 6.0 means you never break the chain.

Enhance supply chain efficiency with intelligent forecasting and automated procurement.

Ramco Aviation Software v6.0 revolutionizes supply chain management with its advanced tools for procurement, routing, and decision support. The system ensures that all supply chain activities, from forecasting to part tracking, are optimized for maximum efficiency and accuracy.



Intelligent Aviation MRP:

- Intelligent forecasting with Minnal in-memory planning engine.

Automated Procurement:

- With our Automated PO engine, manage your purchase requests efficiently
- Reduce the number of orders by allowing our system to intelligently group your requirements into fewer, consolidated orders
- Automate order placements with your preferred OEM supplier

Decision Support and Review:

- Graphical comparison of quotations for optimal decision-making.

Digitizing Part Routing Operations:

- Comprehensive routing management with real-time part tracking.

Enhancements in Repairs, Rentals, & Warranty:

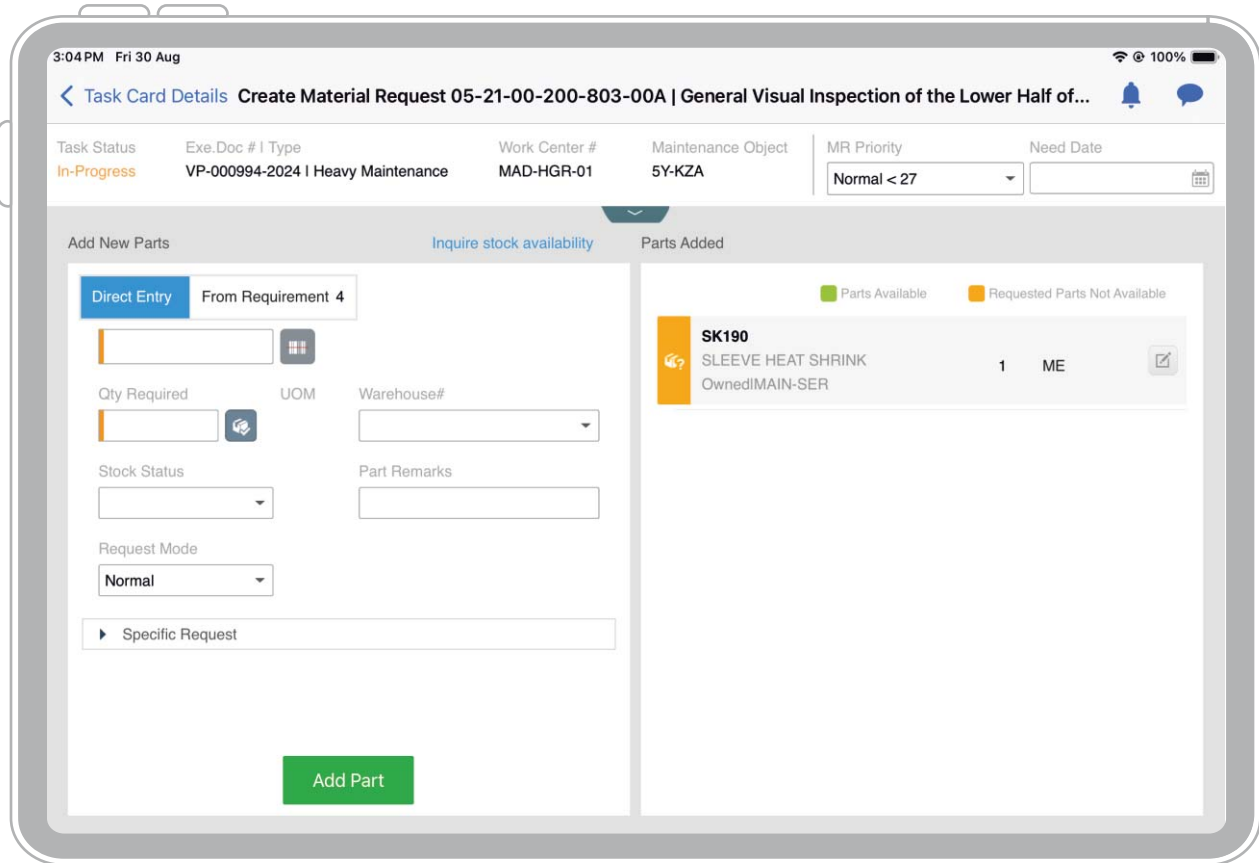
- Improved parts rental process and repair automation.

Continuously Enriching Apps for Further Efficiencies:

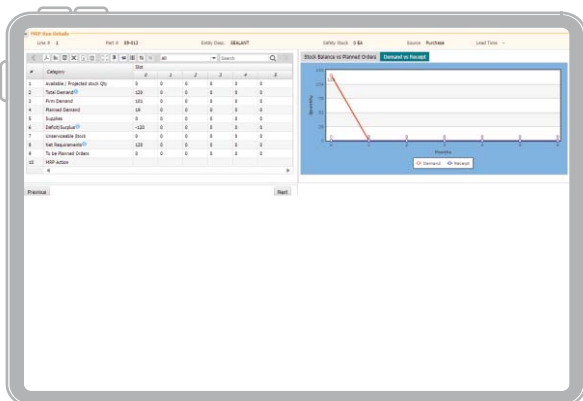
- Enhanced efficiency with new decision support dashboards.

Extending Eco-System Integration:

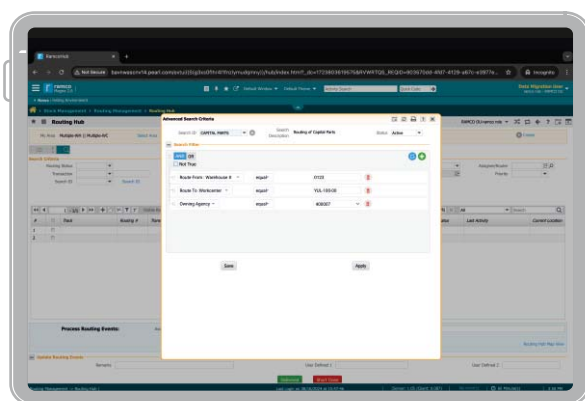
- B2B integration with SPEC 2000 for seamless information flow and error management.



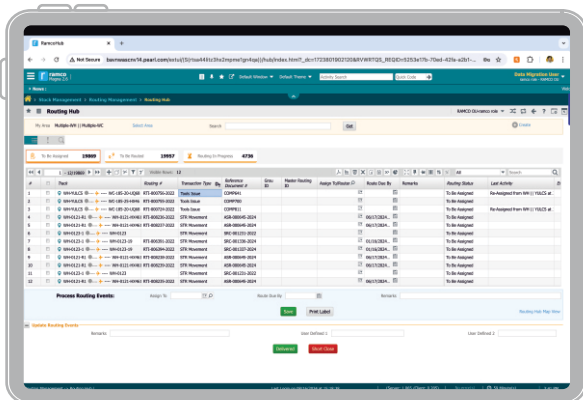
Automatic Purchase request scenario



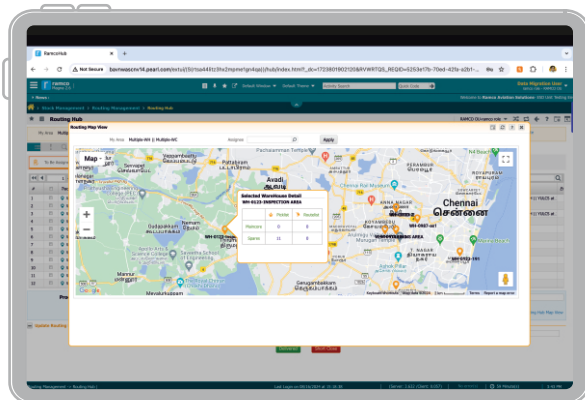
Forecasting Of long-term part requirements using Minaln in-memory processing engine



GIF 1.2 Routing Hub Map view



GIF 1.3 ROUTING HUB



GIF 1.2 Routing Hub Map view

Strengthened Compliance and Controls

Version 6.0 means you always stay ahead of regulatory compliance and security.

Ensure robust compliance and control with advanced security features and regulatory alignment.

With strengthened compliance and control mechanisms, Ramco Aviation Software v6.0 ensures that all regulatory requirements are met without compromising efficiency. The system integrates advanced control checks, biometric task sign-offs, and compliance management for US defense contracts and ITAR parts.

Advanced Control Checks in Planning & Compliance of Engineering Docs:

- SB recognition with partial compliance rules. Accurate management of replacement inspection and re-work SBs.

Task Sign-Offs with Biometrics & Geo-Fencing:

- Dynamic catalogs and automated PO engine for efficient procurement.

Enhanced Capability and Certification Checks for Parts and Services:

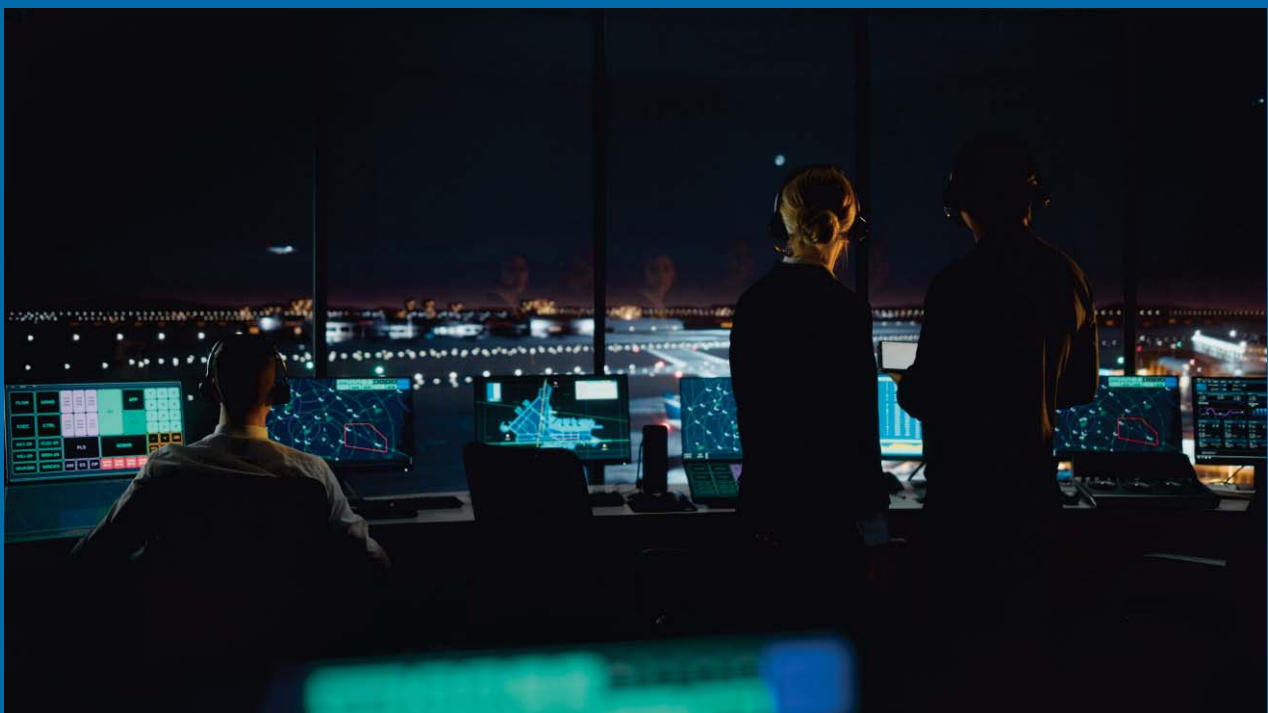
- Capability checks during bidding and receipt of parts.

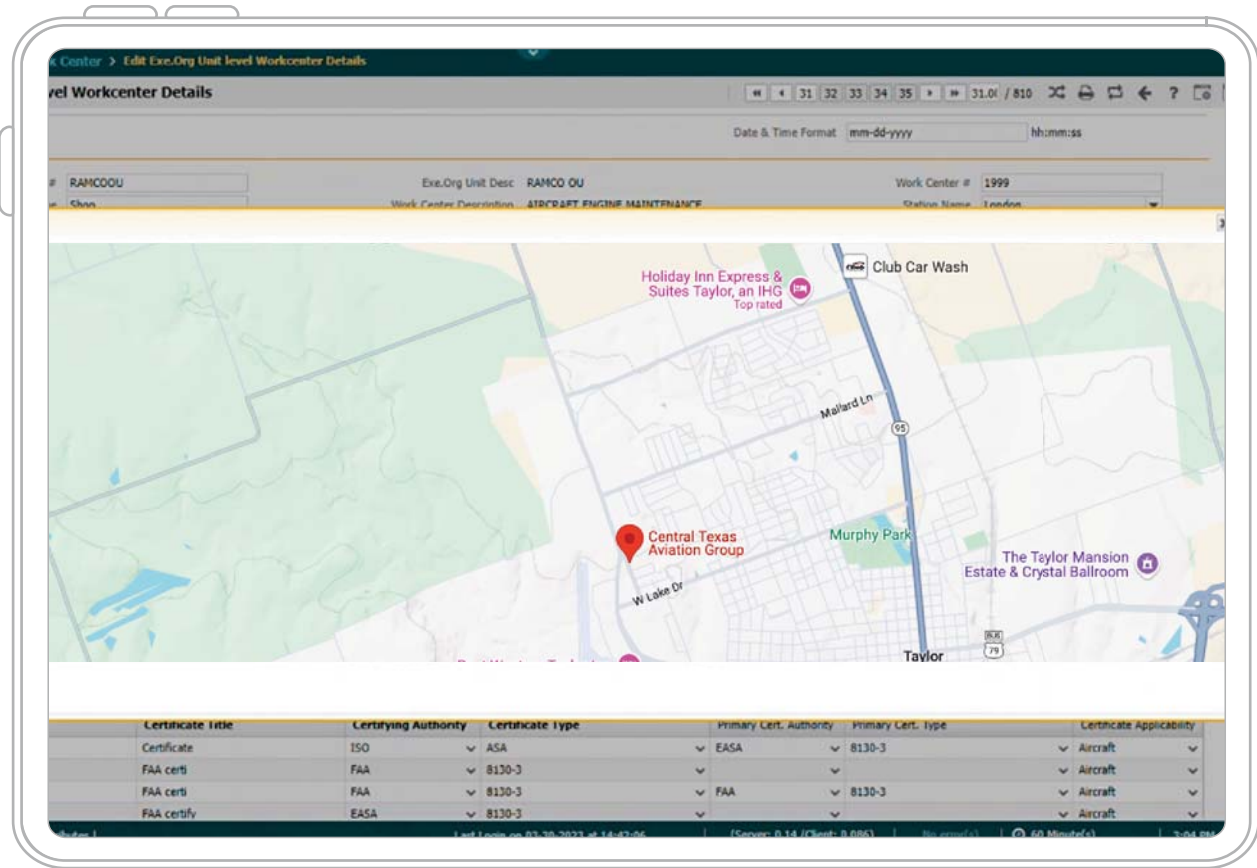
End-to-End Solution for Managing US Defense Contracts:

- Enhanced pricing and billing framework for US defense MRO contracts.

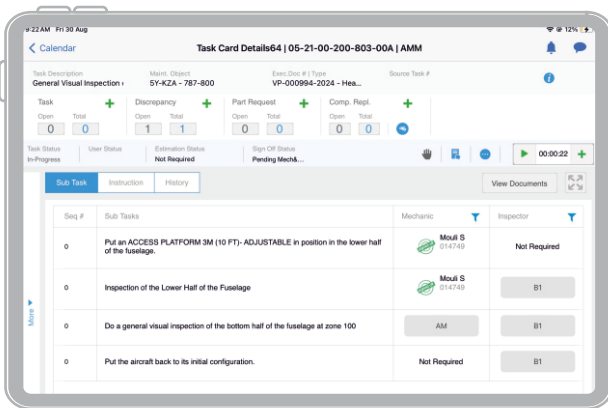
Trade Compliances for ITAR Parts:

- Centralized hub for reviewing export transactions and managing licenses.

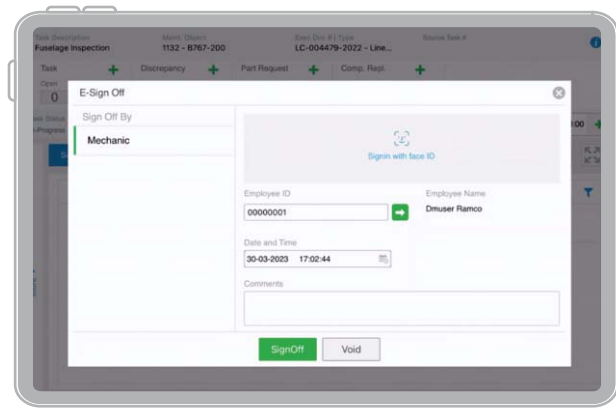




Geo-fencing for Mechanic Sign Off



Task Card Automated e-Signoff



Two-Step Authentication using Facial Recognition for Mechanic Anywhere App

Ramco Systems - Aviation, Aerospace and Defense Overview

Part of USD 1 billion Ramco group


over
90 Customers

across
29 Countries

24 Global offices




4000+ Aircraft


24000+ Users

Serving



MROs



Defense



Heli Ops



OEMs



Airlines



Charters



Drones

25+ years of Implementations Experience

Ramco's Key Customers Worldwide



KOREAN AIR



Panasonic



AIRBUS



TOP ACES



Patria Helicopters AB



الإتحاد ETIHAD ENGINEERING



AIA ASIA Company Limited



NETJETS*

ramco.com/aviation

Copyright 2024, Ramco Systems Limited. Information subject to change. All rights acknowledged.

The contents and information contained in this brochure are intended for general marketing purposes only and should not be relied upon by any person as being complete or accurate. Ramco Systems Limited, its group, employees, agents and other representatives will not accept any liability suffered or incurred by any person arising out of or in connection with any reliance on the content of or information contained in this brochure. This limitation applies to all loss or damage of any kind, including but not limited to, compensatory, direct, indirect or consequential damage, loss of income or profit, loss of or damage to property and claims by third party.



ramco
aviation
software v6.0

The future of
aviation software,
today.



Ramco Systems Ltd.

64, Sardar Patel Rd, Sriram Nagar, Tharamani, Chennai, Tamil Nadu 600113

Write to: contact@ramco.com