M&E AND MRO

Integrated end-to-end solutions

RAMCO AVIATION
From the world’s leading web-enabled solution provider for fleet operators, maintenance providers and OEMs in the aviation industry.
RAMCO SYSTEMS – 20 PLUS YEARS OF GLOBAL AVIATION & ENTERPRISE SOFTWARE SOLUTIONS EXPERIENCE

Ramco Systems - Global Aviation Solutions is part of the $875 million Ramco Group. With over 1,500 employees in the enterprise software applications industry, 1,000 plus global customers and over 300 SaaS/Cloud customers, Ramco Systems is the leader in Aviation Maintenance & Engineering (M&E), Maintenance Repair and Overhaul (MRO) and Manufacturing Enterprise Resource Planning (ERP) Solutions.

Ramco’s technologically advanced enterprise applications are pure business-process, componentised and web-centric and available on-premise or via an Application Service Provider (ASP). Applications for the aviation manufacturing industry are available on-demand (Ramco’s Cloud-SaaS), on-premise or via an ASP. With offices in the United States, Canada, Europe, Asia-Pacific, Africa, Middle East, India, Singapore and Malaysia, Ramco Systems is strategically located to serve the global aviation community.
REMAIN COMPETITIVE AND COMPLIANT

Ramco’s Series 5 Aviation Suite is unlike any other aviation solution. Series 5 runs the entire enterprise by leveraging integrated finance, human resource and payroll features, providing you with a technology advantage. Ramco’s Series 5 can also be deployed as a point solution, integrated with existing operational systems. Built to meet operational and regulatory requirements, the Series 5 Suite streamlines business processes such as resources, production control, supply chain, engineering, maintenance, purchasing and finance among other areas.

MAINTAIN OPERATIONAL EFFICIENCY AND INCREASE ASSET AVAILABILITY

Reduction of turnaround times (TAT) is one of the most prominent metrics used to measure the success of any aviation maintenance operation. Ramco appreciates the need for efficiency throughout the operation and has carefully crafted functionality to drive efficiencies and bring value through the visibility of data to operations. Added efficiencies are delivered through the informative dashboards, real-time alerts, embedded workflows, electronic signatures, mobile computing and wireless capabilities. These capabilities ensure the workforce has the information they need, when they need it, and in a format that allows them to be proactive.
A HOLISTIC AVIATION SOLUTION

AVIATION M&E AND MRO PRODUCT GUIDE

- Inventory
- Procurement
- Aircraft Configuration
- Material Planning
- Vendor Management
- Maintenance Setup
- Compliance Reporting
- Maintenance / Flight Log
- Customer Management
- Employee Records
- Finance Setup
- Maintenance Programs
- Parts Administration
- Regular Procurement
- Maintenance Budgeting
- Records Audit
- Maintenance Control
- General Accounting
- EB / AD Administration
- Warehouse Administration
- Contract Purchasing
- Safety Management
- Parts Sales Management
- Tims Management
- Engineering Order Mgmt
- Inventory Analysis
- Repair & Exchange
- Line Planning
- Electronic Flight Bag
- Customer Portal
- Training
- Accounts Receivable
- Task Setup
- Stock Management
- Loan / Borrow
- Line Maintenance
- Reliability Analysis
- Customer Order Mgmt
- Payroll
- Accounts Payable
- Task Card Authoring
- Physical Inv & Cycle Counting
- Service Management
- Hangar Maintenance
- Quality Audit
- MRO Invoicing
- Recruitment
- Fixed Assets
- Facilitator
- Warranty Authoring
- Shop Maintenance
- Tech Records Dashboard
- MRO Invoicing
- Career Planning
- General Ledger
- Tool & Calibration
- Class Management
- Shop or Shelf Maintenance
- Reports
- Embedded Work-Flow
- DCubes
- Enterprise Extensions
- Aviation Analytics
- PKI/EDGITK
- APS / PP&C
- RFID / Barcode
- Data Uploads / eConnect
- eSignature
EXTENSIVE MRO AND M&E CAPABILITIES

- Engineering management
- Technical records management
- Operations management
- Maintenance, planning and execution
- Inventory management
- Procurement management
- Third-party maintenance and sales management
- Technical library management

PRODUCTIVITY-ORIENTED FEATURES AND FUNCTIONALITY

- Built-in workflow engine alerts
- RFID
- Digital signatures (e-signatures)
- Fax and e-mail interfaces
- Mobile computing (with PDA etc.)
- Wireless capabilities
- Bar coding
- User reporting and drill down tools
- Built-in export/import capabilities
- Clear graphical display of information
- Enterprise collaboration and application integration (EAI)
- Integration with on-line catalogues
- ePublications®
ROBUST, STABLE AND COST-EFFECTIVE TECHNOLOGY

Ramco’s Series 5 Aviation Suite is a business process-oriented web-centric solution that can be installed on-premise to optimise your internal infrastructure, or on-demand within our secure data centre to provide a modern and reliable delivery with predicable annual costs.

Worldwide secure access is granted to authorised users within your company, through a web browser. The powerful multilayered architecture provides a unique tool set that minimises the risk of technology obsolescence while appreciating the need to stay flexible, adaptable and scalable, thus leveraging the investment in technology to strengthen your competitive advantage.

FLEXIBILITY & SCALABILITY

With Ramco’s Series 5 Suite, you can select the solution components that meet your corporate objectives and operational needs without sacrificing the ability to add more components as your growing business demands more functionality. Ramco’s scalable architecture ensures your solution is sized correctly for your organisation.
IT ARCHITECTURE

Ramco offers its solutions on the Microsoft and J2EE/Oracle platforms and uses contemporary state-of-the-art RDBMS such as Oracle or Microsoft SQL Server. Built-in administration tools allow customers to quickly configure the application for the optimal organisational fit. Ramco Systems is ISO 9001:2008 and ISO 27001:2005 information security standards certified.

REPORTING

Series 5 is packaged with an extensive repository of standard reports. Customers can adapt specific formatting and modify or create their own reports with third-party reporting tools or use the renowned built-in DCube™ tool of Ramco.

SECURITY

Extensive security and application administration tools are available to administrators through Internet browsers.
WHAT MAKES RAMCO SERIES 5 THE RIGHT SOLUTION FOR YOU?

A SNAPSHOT OF FEATURES

• Ramco’s Series 5 Aviation Suite is the only enterprise-wide solution built specifically for the aviation industry
• Series 5 brings together business and regulatory requirements, allowing fleet operators and maintenance providers the ability to manage and control their operation on a maintenance-for-profit basis
• Series 5 is designed to enable your organisation to reduce turn times, provide high levels of customer service, and maintain optimised inventory and purchasing levels
• Ramco manages the flow of documents throughout the operation from OEM to engineers to task cards, providing expedient communication and confirmations of changes and revisions
• Ramco’s Series 5 drives efficiencies and reduces the reliance on redundant systems
• Completely integrated, Series 5 tracks employee skills, licences, certifications, utilisation and efficiency
• Integrated business intelligence tools allow you to measure, monitor, and manage with the advanced analytics and reporting, displayed within easy-to-understand executive dashboards and scorecards
RAMCO AVIATION SOLUTIONS

MAINTENANCE & ENGINEERING

Series 5 M&E is constructed to ensure airworthiness and fleet dependability through the advanced maintenance compliance engine. This unique engine coordinates all maintenance-related tasks while ensuring proper inventory levels are maintained and purchased at optimised levels to keep your fleet flying and making money. The system maximises the productivity of the workforce, materials, facilities, tools and equipment, allowing organisations to benefit from increased operational performance and decreased operational costs while maintaining regulatory compliance and safety. Smart integration of business and regulatory requirements within the system provide fleet operators with effective management, improved control and a competitive edge.

MAINTENANCE REPAIR & OVERHAUL

Series 5 MRO is designed to reduce turn times and provide high levels of customer service. Without the proper insights into the demands of manpower and materials, third-party maintenance providers often lack the full awareness of what it takes to accomplish specific contracts and tasks. This lack of information frequently prevents the improvement and optimisation of the MRO operation. Ramco’s Series 5 integrated solution allows third-party repair providers to deliver predictable, cost-effective and quality overhauls by providing needed insight to all aspects of manpower and materials to keep your MRO business competitive and profitable.

MANUFACTURING SOLUTIONS

Manufacturing Solutions (OnPremise and OnDemand) provide a comprehensive set of metrics to monitor the entire supply chain of your organisation so that it is efficient, cost less, and delivers high quality and value. They reduce the time required for pricing, delivery and payment, and create metrics for monitoring and improving relationships. They also efficiently manage your inventory, including receiving and verifying shipments, transfers to manufacturing facilities, returning defective goods, and authorising supplier payments. The result is accurate information, timely actions, and an enhanced bottom line.
RAMCO ePUBLICATIONS®

Ramco’s ePublications® Solution is a web-based, interactive, technical documentation management system for the Maintenance & Engineering (M&E) and Maintenance Repair & Overhaul (MRO) segments of the aviation industry. The solution has the built-in capability to process OEM’s digital documents, manage content, and author Task Cards, Work Instructions and Engineering Orders. The ePublications® Solution interfaces with Ramco’s Maintenance & Engineering (M&E) and Maintenance Repair & Overhaul Solutions (MRO) and provides direct links to the maintenance programme tasks and modifications.

RAMCO ePROCUREMENT® POWERED BY ESIS

Ramco eProcurement®, powered by ESIS technology, provides a Universal Supplier Portal connection for all direct, indirect, M&E, MRO and Manufacturing procurement communications. ESIS is the oldest and largest open single sign-on portal working with over 250 purchasing companies and 25,000 suppliers across all major industries around the world. Improving supplier communications through the use of electronic procurement documents provides one of the fastest and highest ROI opportunities, to decrease costs of one of the biggest expenses within a supply chain organisation.
RAMCO AVIATION FINANCIALS

Ramco’s Aviation Financial Solution provides comprehensive financial capabilities covering accounts payable, accounts receivable, fixed assets, general accounting and costing. Integrated across the core Maintenance and Engineering and MRO functions, the solution caters to the requirements of multinational, global enterprises as well as organisations with local operations making it the most advanced financial solution developed specifically for the aviation industry.

RAMCO HUMAN CAPITAL MANAGEMENT

Ramco’s HCM solution encompasses the entire lifecycle of employee management, from induction through separation. Features include: employee skills, qualifications, licences, certifications, utilisation and efficiency. Integrating human resource information with the core M&E and MRO functions results in more efficient and effective utilisation of manpower while providing full visibility to resource constraints. Ramco’s Human Capital Management processes integrate seamlessly with Ramco’s Maintenance & Engineering, Maintenance Repair & Overhaul and Manufacturing and Financial Solutions.
RAMCO ELECTRONIC FLIGHT BAG

Ramco’s Electronic Flight Bag offers “Type B” capabilities deployed on a wide range of EFB hardware. With the centralised management console and synchronisation engine, Ramco's EFB can be used to distribute documents, charts, checklists, and their revisions, enabling a true paperless cockpit environment. The software can be configured to perform weight and balance calculations for any aircraft, and handles short-term multileg navigation and fuel planning. The EFB features an electronic log page to capture real-time flight data, pilot/crew reports and delay reports. Data can be sent and received over a satellite link while in the air and over Wi-Fi or cable link while on ground. Pilots can also enter their flight duty hours, and capture billing-related information for charter operations. The communication link (satellite/Wi-Fi) can be used to push the captured data directly into external systems like Ramco M&E/MRO, flight billing systems, and crew duty systems.

RAMCO AVIATION ANALYTICS

Ramco’s Aviation Analytics is part of Ramco’s global DecisionWorks Business Intelligence Suite of products. It is a comprehensive, easy-to-use web-centric Business Intelligence Solution for Enterprise Performance & Conformance Management. Robust executive dashboards and scorecards are used to help management teams stay informed while making critical operational decisions. The graphical reporting, comprehensive query and analysis tools are easily configured by users allowing the management views to evolve as the reporting requirements grow.

EXTENSION DEVELOPMENT KIT AND IMPLEMENTATION TOOL KIT

By taking advantage of Ramco’s unique Extension Development Kit (EDK) and Implementation Tool Kit (ITK), customers can adapt the out-of-the-box functionality to fit their business in a very personalised manner. Changes made for your operation do not change the core operations of the system and system updates do not affect your personalisations. This allows your organisation to take advantage of the industry best practices that are continually being updated in the software without compromising the changes that provide your competitive edge.
ABOUT RAMCO

Ramco Systems is part of the USD 1 Billion diversified conglomerate, the Ramco Group of companies. Ramco Systems is a rapidly growing cloud enterprise software company focused on providing multi-tenanted enterprise software to corporates in the area of ERP, HCM and Payroll, M&E MRO for Aviation, with Mobile first philosophy and In-memory based Planning and Optimization engine. At Ramco, we understand that functionality alone cannot help a product succeed in today’s crowded marketplace. With utmost importance to usability, Ramco has charted out a product philosophy of MUSIC—an acronym for Mobility, User Interface, Social, In-Memory and Context-aware applications. Headquartered in Chennai (India), the company has 20 offices spread across India, USA, Canada, Europe, Australia, Middle East, South Africa and APAC.
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