Aviation InterTec Services provides powerful but straight-forward aircraft maintenance management software solutions and work-flow consulting services for fixed-wing and rotary fleet operators, MROs and CAMOs around the world.

Our aviation management software products and services provide customers with the aircraft maintenance software resources and flexibility required to move forward with confidence.
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RAAS is a highly integrated browser-based M&E workflow and data analysis solution for fleet operators, MROs and CAMOs.

RAAS customers enjoy the benefits of a widely accessible and easy-to-use inventory management and maintenance support system that through continued use is able to reduce maintenance costs by increasing maintenance procedure efficiency, reducing held inventory, providing proof of quality for inspection escalations, and by directly reducing clerical manpower requirements.

RAAS was designed as a superior product for the commercial fleet operator that would achieve enhanced functionality through the use of advanced software development tools and browser-based technologies. RAAS has met the design objectives and demonstrates advanced utility through high levels of integration, easy-to-use user interfaces, and many automated reporting and data analysis features. Advanced functionality coupled with modern application delivery methods make RAAS a leader in its field.
INTEGRATED EFFICIENCIES

**Fleet Status Information Exchange API**
RAAS allows data exchange with Ops/Dispatch systems for the purposes of sending lists of outstanding defects, next due significant maintenance events, maintenance block times and other information pertinent to operational planning.

**Paperless Maintenance**
RAAS offers an entire feature set that enables paperless operation including work assignment, electronic signature and maintenance release to the job, job-task or job-task-step level.

**Mobile Purchase Approval**
Remote PO Approval allows roaming users and non-RAAS users to review and approve purchase requests via email link, with no need to log into the main RAAS system. A link embedded in the automated PO Approval emails allows you to navigate to a mobile-friendly approval webpage that will ask you if you want to approve or reject the purchase request. A VP, Director or any other individual with appropriate security permissions will be able to approve an order from wherever they are via their mobile device.

**Management Dashboards and Data Mining**
Dashboards and advanced data analytics are enabled by direct access to your RAAS database, for the purposes of data mining. Tools such as Microsoft PowerBI, Tableau or SAP Business Objects can be used to create custom dashboards and analysis reports, for use either inside or outside of RAAS.

**Automated Airframe Time Updates**
RAAS allows data from third-party sources such as a flight operations or flight following system to post time updates against the aircraft in your RAAS database, enabling fully automatic airframe time updating with no need for human intervention. When deployed, this integrated efficiency in-turn enables co-benefits of airframe-time-accurate e-compliance input, system generated maintenance releases, EML tablet app function and more.

**Electronic Maintenance Log (EML) App for the Cockpit**
RAAS offers Electronic Maintenance Log (EML) iPad/Windows apps for the cockpit. Our EML apps are designed to allow defect reporting from the aircraft while inflight, closure and/or deferral of defects, display of recently accomplished work and cleared defects, and lists of next due items. The app is able to function in real-time or can work as an offline utility that will sync data to the main RAAS host once your tablet gains cellular/WiFi access.
INTEGRATED EFFICIENCIES

Finance/Accounting System Data Exchange
RAAS is designed to send pertinent data to a best of breed accounting and finance system. Typical data sent can include stock receipts, material expense/consumption data, vendor invoice details and customer invoice details.

Maintenance Labor Data Capture
For maintenance labor data tracking RAAS offers task clock-in and clock-out from shop-floor scan stations or mobile devices. Suitable for both paperless and paper-based environments.

SSO Integration
This integrated efficiency introduces Active Directory communication via LDAP, which in-turn allows synchronization of RAAS usernames and passwords with your Windows Active Directory Server and enables Single Sign-On (SSO). This integrated efficiency is extremely useful to help reduce network end-user authentication security loopholes, particularly in larger organizations with larger user groups.

Mobile Apps for Material Management
Stock take, picklist processing and stock count functionality are available in mobile friendly user interfaces, enabling bring-your-own-device functionality within the RAAS suite.
TECHNICAL RECORDS

The Technical Records module is responsible for collecting and organizing post-production compliance information and applying that information to the aircraft configuration. The data managed in this module is central to continuing airworthiness management and reliability analysis functions. The RAAS Technical Records module can function as a traditional back-office manual input system or can be automated using electronic rectification inputs with electronic signature via the production module, and automated airframe time updates from third-party data sources.

- Independent time tracking for items such as APUs, gear or rotary components.
- Electronic technical/maintenance log books for airframe, modification, engine, gear, etc.
- Associated maintenance features identify nested maintenance actions.
- Industry leading part and inspection historical detail.
- Fleet-wide applicability features for any ADs, SBs and EO.
- Configuration lists for any component or assembly.
- Facilities for recording prior maintenance.
- Automatic email warranty removal notification.
- Scan and store accomplished jobs as digital documents.
- Component certification documents stored as digital documents.
- Automated airframe time updates from external data sources.
- Automatic component configuration verification during installation and quantity of checks.
The Planning and Production module is where all scheduled and unscheduled maintenance jobs are catalogued and the bulk of all maintenance activity is controlled.

- Flexible forecasting allows forecasts within an airframe, a base or across the entire company.
- True historical defect analysis reporting.
- Maintenance Control defect staging area for initial defect analysis.
- Integrated deferred maintenance and MEL/airworthiness item control.
- Job card ticketing system for easy job tracking.
- Work package features for easy grouping and distribution of planned due lists.
- Facilities for electronic rectification inputs from the line, including parts on/off.
- Fully developed electronic signature features to the task-step level.
- RII and Independent check item management.
- ETOPS significant item management.
- Electronic part requisition system notifies stores/purchasing of part requirements.
- Job templates for any repetitive job including parts lists, trade requirements and graphic attachments.
- Digital document library for inspections, ADs, SBs, etc. automatically printed with job cards.
- Tools for both line maintenance and block/heavy maintenance project activities.
- Easy separation of line maintenance tasks from heavy maintenance projects.
- Links between routine inspection items and spawned non-routine rectification items.
- Track heavy check project accomplishment, parts and labour costs in real time.
- Scan and store accomplished job cards as digital documents.
- Pre-defined forecast via email allows automation of repetitive forecasting functions.
- Graphical job scheduling analysis plots for identification of production scheduling conflicts.
- Electronic maintenance status board for quick views of base-oriented production schedules.
INVENTORY & STORES

The primary objective of the Inventory and Stores module is to provide the user with a suite of tools to help automate the physical workflows associated with stock management and also allow easy management of large quantities of data.

- Integrated electronic part requisition system linking Production, Stores and Procurement.
- Segmented consumption history and one-click reorder features.
- Stale parts and overstock analysis features.
- Internal repair and overhaul facility features.
- Loan, borrow and consignment stock management.
- Warranty tracking.

- Tool crib and tool allocation tracking.
- Numerous email-based status notifications.
- Inventory count utility for rapid count findings input.
- Bar-code support for inventory issues and physical inventory count.
- Handheld offline data collection device (with integrated bar-code scanner) support for electronic sign-out sheets and remote inventory count data collection.
The Procurement and Orders module is designed to allow easy management of purchase, sales, warranty, repair and exchange orders. The module provides an extensive suite of tools to allow procurement personnel to organize and report on all current, outstanding, and historical order data. Users are able to keep track of an order item throughout its order cycle to the extent that planning and production personnel have visibility throughout the process.

- Fax and email based request for quotation system.
- Complete order tracking and historical vendor analysis.
- Comprehensive purchase approval process with electronic signature.
- Issue inventory against production requests during receiving.
- Email material receipt notifications.

- Scan and store component certification documents as digital documents.
- Invoice matching sub-module enables payable control and financial system integration.
RELIABILITY ANALYSIS

Reliability analysis features in RAAS are distributed through RAAS modules and combine to allow comprehensive performance and reliability reporting across numerous aspects of the maintenance organization.

- Integrated component overhaul performance reporting.
- True historical defect analysis reporting.
- Integrated defect analysis reporting and graphs including 30 day type, 30 day fleet and 12 month type.
- Automatic email defect alert level exceedence notification for proactive defect level monitoring.
- Automatic email notification on MEL or airworthiness defect item creation.
The Inspection Programs module is where source MRM/MPD task data and associated instruction cards (JIC, MTC, Work Card, etc.) are managed within RAAS. Using this source data RAAS users can develop inspection programs specific to the operating conditions experienced within their fleet and can dynamically customize programs as needs require.

- Maintain all inspection document revision control from a central repository.
- Develop and manage multiple parallel inspection programs per aircraft type.
- Define signature requirements at the task-step level, including multiple signature for RII/Independent confirmation steps.
- Generate audit reports confirming correct and complete compliance within your inspection program.
- Automatically generate inspection sheets for higher-frequency inspections, allowing you to do away with custom company forms for the same purpose.
- Model heavy check visit packages in a pre-production environment for resource, tool, access and part planning.
- Accumulate history for routine to non-routine rectification task relationships.
- Integration with manufacturer online document repositories is available.
EXPENSE CENTERS

Expense Centers are essentially financial ledgers that automatically receive financial transaction data lines whenever a part, material or service process is affected. The Expense Centers allow for centralized collection of all parts and labor expense data that in-turn can be used for internal or external billing purposes, or as a financial transaction staging area prior to import into the enterprise financial management system or ERP.

- Expense Center ledgers for centralized collection of all parts and labor expense data.
- Expense information is stored discretely and can be traced to individual jobs.
- Extremely flexible design allows creation of an expense center for any entity in the system.
- Jobs for a given aircraft can be associated to different expense centers for detail job cost analysis.
- Labour input module for employee and job specific time accumulation.
- Invoice production with customer specific mark-ups.
- Financial system integration available.
RAAS is a true browser-based solution, allowing users to access the system with any computer, mobile device or smartphone. The application can be installed on a web-server on your network or we can provide web-server hosting services for you. Because there is nothing to install on individual user computers, more individuals will have access to the system and end-user IT maintenance considerations are virtually removed.