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Aerotrac v2.50 Aviation MRO Process Control Software

Aircraft Management and Maintenance

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Welcome to Tracware's
Process Control Software

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This brochure introduces you to Aerotrac v2.50 Aviation MRO Process Control Software. It is designed to outline the commercial benefits of this functionally rich product when utilised in an Aircraft Management and Maintenance organisation.

Tracware specialises in providing software solutions for the aviation maintenance, repair and overhaul (MRO) industry, including aircraft maintenance / modification and maintenance planning, engine / component overhaul, piece-part processing and repair, manufacturing and parts distribution.

Other brochures that cover these applications in greater detail are available from Tracware, and can be downloaded from the Tracware website.

We look forward to the opportunity of being of service to you.

Tracware's Pledge

To help your organisation to succeed by improving business processes and structuring workflow management, whilst maintaining a high degree of quality and control.

Tracware can help you to do this in two ways. Firstly, by providing functionality that helps you to regiment and discipline the processes within your business. Secondly, by collecting, sharing and reporting on data, enabling pro-active decision-making, and providing instant snapshots of how your business is performing.

Our aim is to provide the solutions you need to run your business more efficiently and profitably.

Unique Approach

Since its formation in 1999, Tracware has committed itself to providing software applications and a level of service and support that offer you unrivalled Value for Money.

Tracware has a long and proven record of delivering robust, stable and maintenance-free software solutions. Tracware's policies help Customers reduce the financial risk and disruption associated with system changes. These include fixed price implementations, staggered implementations, staged payment schemes, rental options and annual support contracts that include updates, data fixes and additional functionality at no extra cost.

The result is a reliable solution that works day-in, day-out, providing a high level of Customer confidence and satisfaction.

What is
Aerotrac?

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Aerotrac is a "fully-featured" off-the-shelf application that meets the specific needs of Aviation MRO service providers of all sizes.

It has functionality designed for the technical, commercial, logistical and financial requirements of any Maintenance Organisation, and is a vital tool in helping to support your business activities.

Process Control

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Designed by industry professionals through close co-operation with our global Customerbase, Aerotrac has 'evolved' with Aviation MRO best business practices at its very core.

The application controls the business processes that are common to the Aviation MRO industry, instilling discipline, regimentation and control, enhancing management of resources, providing access to reliable data and Key Performance Indicators, whilst simplifying and improving the processing of everyday tasks.

Why choose Aerotrac?

Aerotrac offers a unique concept: an affordable off-the-shelf software application designed to meet the needs of aviation MRO organisations - particularly those providing third-party maintenance services - using best practice and with no hidden after-sales costs.

Aerotrac functionality has 'evolved' through the input of our Customers by including generic functionality requested by the Customer at no extra cost under the cover of the Annual Licence and Support Fee. The result of this radical approach is a robust, reliable and well-rounded product offering more functionality and value for your money than any other solution in its class.

Aerotrac operates on a modern, robust and well-supported Microsoft®SQL Server database, with an incredible track record of trouble-free operation, stability and low ongoing maintenance costs.

Aerotrac has functionality suitable for aviation businesses involved in any or all of the following MRO related activities:

Fixed Wing - Suitable for providers of Base and Line Maintenance services, aircraft modification and Continuing Airworthiness Maintenance Planning functions

Rotary Wing - Suitable for maintenance services providers, aircraft modification and Continuing Airworthiness Maintenance Organisations, with functions designed to mirror the discrete operational requirements of rotary-wing aircraft as standard

Engine Overhaul - Suitable for all types, from large gas-turbine to piston, offering complete management of inputs from the top-level engine assembly, down to the smallest piece-part processing requirement

Component Overhaul - Suitable for a wide range of accessories and components including: Propellers, Undercarriage, Wheel and Brakes; IDG, Instruments, Avionics, Seats, IFE, Safety Equipment etc.

OEM - Suitable for design and manufacture of components with simple or highly complex Bills of Material

Parts Distribution - Suitable for Service Centres, Stockists, Brokers and general 'over-the-counter' parts sales.

Increase Profits
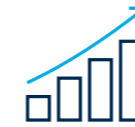
Aerotrac will improve every aspect of your MRO business, providing data to analyse your KPI's, take measures to reduce costs, increase margins, improve performance and save both money and time. The software will pay for itself.

Improve Performance

Aerotrac is a tool to help the users perform a multitude of laborious tasks simply and accurately. Enhanced visibility of technical, commercial, financial and logistical information improves communication, planning and decision-making, thus improving accuracy, speed and quality.

Easy To Use
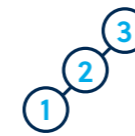
Aerotrac functionality follows intuitive steps, so that complex MRO processes can be handled succinctly and accurately. Screens have a consistent layout, so users quickly learn and adapt. Each screen mirrors the processes within the business, ensuring discipline, clarity and control.

Return on Investment

Aerotrac offers the opportunity to make a rapid return on investment. The enhanced functions and improved visibility reduce duplication, and increase the speed at which accurate data can be collected and utilised. Aerotrac allows the opportunity to confidently expand the business into new areas.

Data You Can Trust

Aerotrac is exceptionally robust and stable. Controlled data input produces reliable output. System defaults control the integrity of data that is entered, ensuring that vital information is not missed, thereby reducing the possibility of costly errors and improving quality.

Commercial Benefits

Access the data needed to identify the strengths and weaknesses within the business. Improve turn-time performance, provide better service levels, reduce costs, increase profit margins, enhance Customer communications, reduce disputed invoices and improve cashflow.

Greater Speed and Security

Extensive drill-down functionality, single point of entry for most data, user friendly screens, and automated functions all contribute to rapid accomplishment of day-to-day tasks. Administrator-defined control of screen access ensures security and accuracy of data.

Value for Money

Aerotrac offers an unrivalled level of functionality at an affordable price, with no hidden costs. After-sales service levels are second to none, and support contracts provide genuine peace of mind. This all adds up to a package that offers unbeatable value for money.

Outstanding Support

Aerotrac is delivered with total commitment from Tracware to ensure that software will work for you, and meet and exceed your expectations. Tracware understands that your success will also lead to our success.

Mobility

The availability of web-based functionality suitable for tablets and other hand-held devices that can be used when away from a pc or from base offer new levels of efficiency, freedom and flexibility.

Aerotrac v2.50
- Summary of Features

Core Product - Aviation MRO Inventory and Financial Management including:

- Administration and Security
- Part Master control
- Stock Grouping
- Multi-Warehousing and Areas
- Alternative / Superceded Parts options
- Default Bin Locations for Stock Types
- Multiple Stock Conditions and Stock Types
- Unit of Measure conversions
- Exchange / Rotable / Capitalised Items
- Consignment Stock
- PMA Parts control
- Customer Details set-up
- Sales Quotations
- Stock / Non-Stock / Tooling / Phantom parts
- Sales Order Processing
- Exchange Core Control
- Sales Invoicing and Credit Notes
- Selling / Buying Prices and History
- RMA Management
- Customer Relationship Management feature
- Nominal / GL Financial set-ups
- Multi-Currency and Multi-Tax regimes
- Track Accounts Receivable
- Aged Stock / Slow-moving Stock Reports
- Stock Valuation reports, including previous periods
- Data Export of Sales, Purchase and Nominal Ledger transactions

- Full batch traceability
- Supplier Details set-up
- Purchase 'Request To Order' routine governed by financial levels of authority
- Purchase RFQ's for all order types
- Purchase Orders for Stock and Non-Stock Items
- Repair Orders linked to Hangar / Workshop Projects
- Stock Repair Orders
- Commercial / Service Orders
- Process Orders
- Drop-Ship Orders
- Warranty Orders
- Exchange Orders / Core Control Module
- Issue / Change Control History
- Back-to-Back Ordering
- Min / Max / Safety-Stock levels
- Shelf Life Control
- Stock Allocations
- FIFO / Select Batch Picking
- Life-Limited Part control
- Order Expediting
- Purchase Invoice Processing
- Track Accounts Payable
- Quality Controlled Stock Receipt and Issue
- Links to scanned documents and document management
- Purchasing Defaults
- 100+ core management reports

Aerotrac v2.50
- Summary of Features

Aircraft Management and Maintenance

CAMO - Aircraft Management

- MSG-3 compliant MRB Task Cards, Inspection Groups and AMS
- Create multiple AMS's for the same aircraft type for the same Customer
- OOP Inspections, MEL / Open Defects
- Templated Aircraft LLP Configuration Control including additional equipment and role equipment
- Technical Library / OEM Publication control
- Maintenance Forecast reporting functions for aircraft, components or the fleet, including calculated due dates using average flight hours or pre-defined scheduled flights
- Complex LLP calculations (N1/N2, RIN, Abbreviated Cycles etc) included as standard
- Aircraft flight utilisations, fuel / oil and fluid uplifts, PIREP's, and utlisation reports for aircraft, engines and other assemblies
- Aircraft Modification Status reports and Defect Reporting
- Component Log—for full component maintenance status and maintenance history tracking
- Aircraft Maintenance Status providing history accessible in a single screen
- Accurate Direct Operating Costs per Flying Hour

MRO - Aircraft Maintenance

- Detailed 'Hangar Projects' to control Base or Line Maintenance inputs for all aircraft types
- Technical Documentation (Workpacks) for scheduled tasks and Unscheduled Defects (NRC's), Panel Removal / Refits, Control Cards etc
- Inspection Workbench for hangar floor integration
- MRO Quotations for rapid and accurate quotation and generation of detailed Hangar Projects for ad-hoc third-party maintenance
- Software generated CRS and Log-Book Certification
- Customer Relationship Management feature
- Integrated Material Review for superb Material Requirements
- Planning including controlled 'robbery' process
- Integrated Defect Reporting for Reliability
- Cross referencing, Zones, Trades, Maintenance Sections etc
- 'Status Board' delivers automated warnings and management of critical day-to-day activities
- Management Reports

tracware

Aerotrac v2.50
- Summary of Features
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## MRO - Engine, Component and Piece-Part Process Management including:

- Detailed 'Workshop Projects' to control maintenance, repair and overhaul work-scope inputs for engines, components and piece-parts

- Part Master defaults define capability listing, applicable Airworthiness Release Certificate types, commercial and technical classification and life-limitations

- Default 'Route Masters' control the path that any input will follow through the facility, referenced to applicable manuals, tooling, and estimated time to accomplish each task for estimating and performance management purposes

- Bill of Materials (BoM) to define standard builds of engines and component assemblies

- Detailed technical documentation (work-packs) linked to Route Masters

- Software generated Release Certification (all major release certs are incorporated as standard)

- Component Log / LLP configuration control

- Scheduling of work in progress and completion dates

- Rough-cut capacity planning

- Turn-time analysis

- Linked publications

- Individual repair schemes for piece-parts

- Specialist Workshop Projects for Stock, Exchange Cores, Rentals, Non-145 Services and Pre-Build Kits

- Integrated Commercial functions including MRO Quotations; Cost Estimates and Technical Estimates; Project Invoicing and Technical Invoices; Fixed Price Billing

- Workshop Projects gather all technical, commercial, logistical and financial data for ease of management at all levels

- Simple drill-down functions allow for rapid assessment of the status of any Workshop Project

- Customer Relationship Management Diary feature to record conversations and correspondence with the Customer and for internal purposes

- Linked sub-projects and sub-contract Repair Orders and Process Orders

- Inspection Workbench allows Inspectors to pass /fail parts requiring inspection (based on the BoM) which seamlessly integrates with Material Requirements planning and commercial Estimating processes

- Colour-coded material Marshalling screen and integrated Material Review process for superb MRP (including parts reworked in-house, sub-contracted or scrap / exchange replacement)

- Work in Progress overview available in real-time

Discipline - Administrator Module

Aerotrac v2.50 has a separate Administrator module for enhanced security of data and improved control of the application and business processes.

Aerotrac Administrators control access rights for all individual users down to screen and tab level. Administrators can utilise system variables to manipulate the functionality in Aerotrac to suit the preferred business processes.
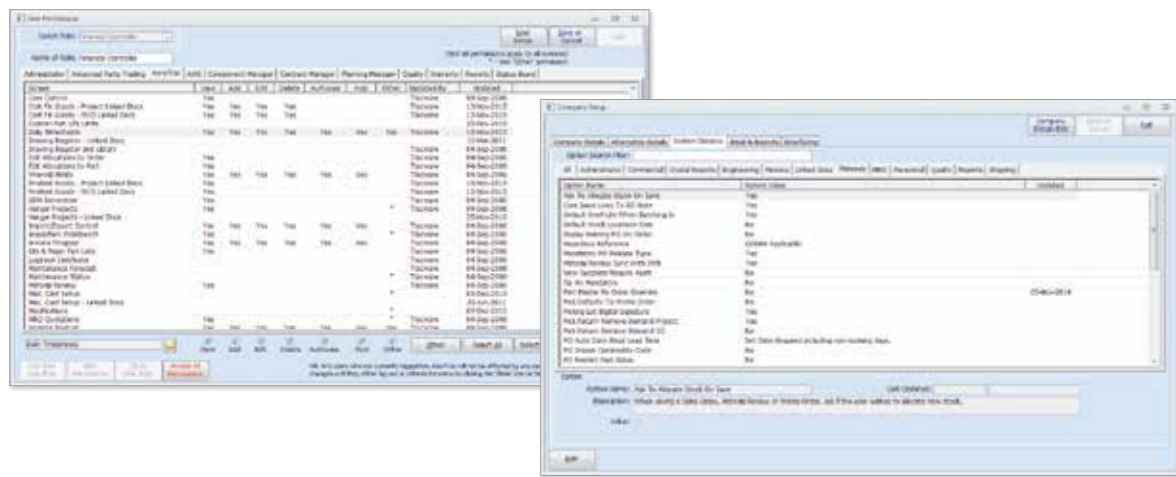
Aerotrac uses default settings throughout the application to define and control processes. This enhances discipline, accuracy and consistency within the business.

All administrative functions set-ups and static data are controlled in the Administrator application, including the following:

- Aerotrac access rights
- Financial set-ups
- Customer / Supplier set-ups
- Personnel Records and Work Profiles
- Material, MRO and Commercial set-ups
- Publication and Quality set-ups
- Company Details and additional system options

Keeping Control - The Part Master

The Part Master is the foundation for process control within Aerotrac and is key to the software's functionality, stability and versatility.

It provides a unique reference point where basic defaults are stored. These defaults control how the part will be transacted and ensure appropriate, logical and disciplined use of that item technically, logistically, commercially and financially. There are over 80 separate controls including:
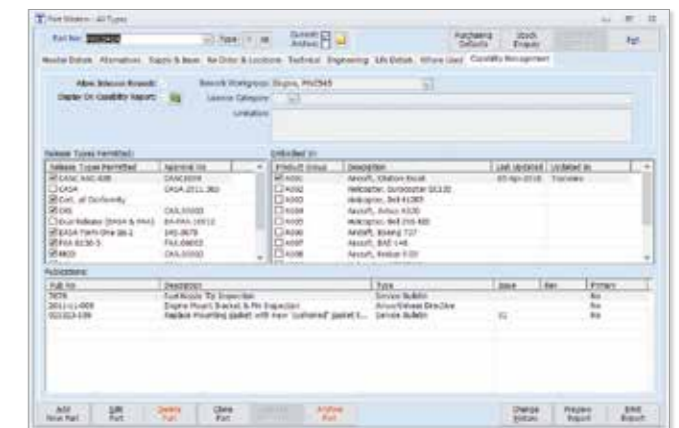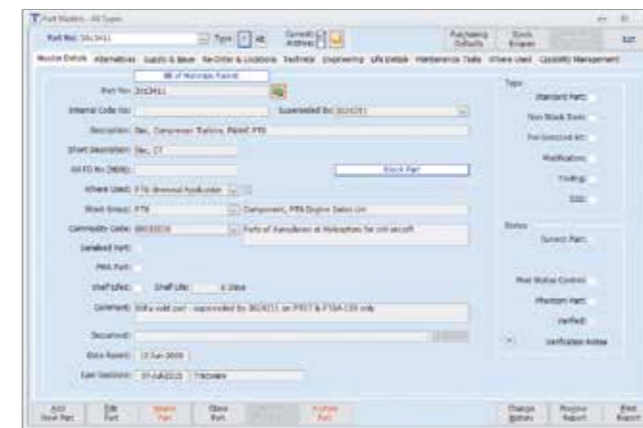
- Capability Control
- Applicable Airworthiness Release Certificates
- Defining technical applicability
- Alternates / Supersession
- NDI Control
- ATA Coding
- Life Limitations, Additional / Role Equipment
- Defining manufactured parts / Phantoms
- Mod Status Control
- Inventory Min / Max levels
- Warehouse management
- Exchange Core control / Rotable management

- Shelf Life control
- PMA material control
- Stock grouping and movement categorisation
- Internal / NATO numbers
- Customs and shipping controls
- COSHH
- Kit control
- OEM and default Preferred Suppliers / Sub-Contractors
- Loan control
- Warranty control (optional)
- Change History
- Linked Documents

Keeping Control
- Aircraft System of Management

Aerotrac provides for the creation of MSG-3 compliant 'Master' Aircraft Maintenance Schedules for all types of Fixed and Rotary-Wing aircraft.

Task Cards:

- Create a library of individual maintenance Task Cards linked either to a specific aircraft type or an aircraft component
- Each Task Card can be set a periodicity and compliance in its own right, or it can be linked to a Scheduled 'Block' Inspection
- Compliance is set against a generic 'Product Group', but applicability can be filtered by part / serial number
- Apply tolerances and set automated warnings
- Create prompts for removal of components where required
- Call up Parts Kits to create pre-load for 100% replacement parts

- Create detailed instructions for Work Pack generation
- Link to Panel removals, Publications, Zones, Trades, Tooling and any other material requirements
- Keep Change and Revision History against each Task Card
- Link the Task Card to one or more Aircraft Maintenance Schedules
- Also create 'Misc' Task Cards for the control of related non-airworthiness activities - e.g. Panel Removal / Refit, Aircraft Movement, Supervision, Training, Cleaning etc, or generate detailed instructions for the accomplishment of AD's / SB's and other publications, Aircraft Modifications or Component Changes
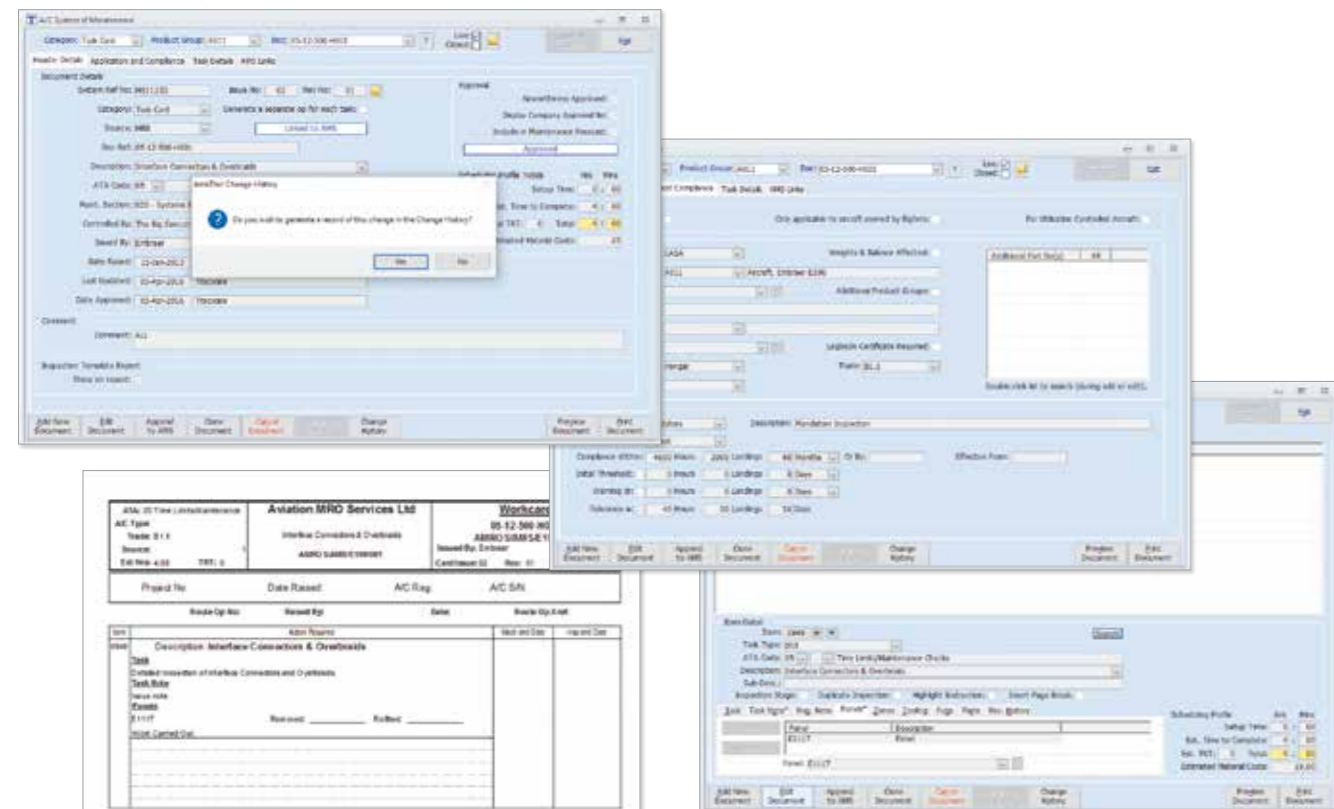
Keeping Control
- Aircraft System of Management

Aircraft Maintenance Schedules

- Create a single Aircraft Maintenance Schedule by linking relevant individual Task Cards for the aircraft type or an aircraft component
- Link the individual Task Cards to Scheduled Inspections with predefined compliance and periodicity for both the Inspection and the individual Task Card, including the ability to filter tasks by part / serial number and define tolerances and warnings
- Group Scheduled Inspections together e.g. A1, A2, A3 etc for simple maintenance planning and Workpack generation

- Includes Out of Phase Inspections
- Print a template copy of the AMS for submission to Airworthiness Authorities
- Keep Change and Revision History and store previous versions of the AMS for reference
- Forms the basis of generating printed Workpacks including Work Cards, Panel Removal / Refit Control Cards, Material Pre-Loads etc for a scheduled Inspection simply and effciently
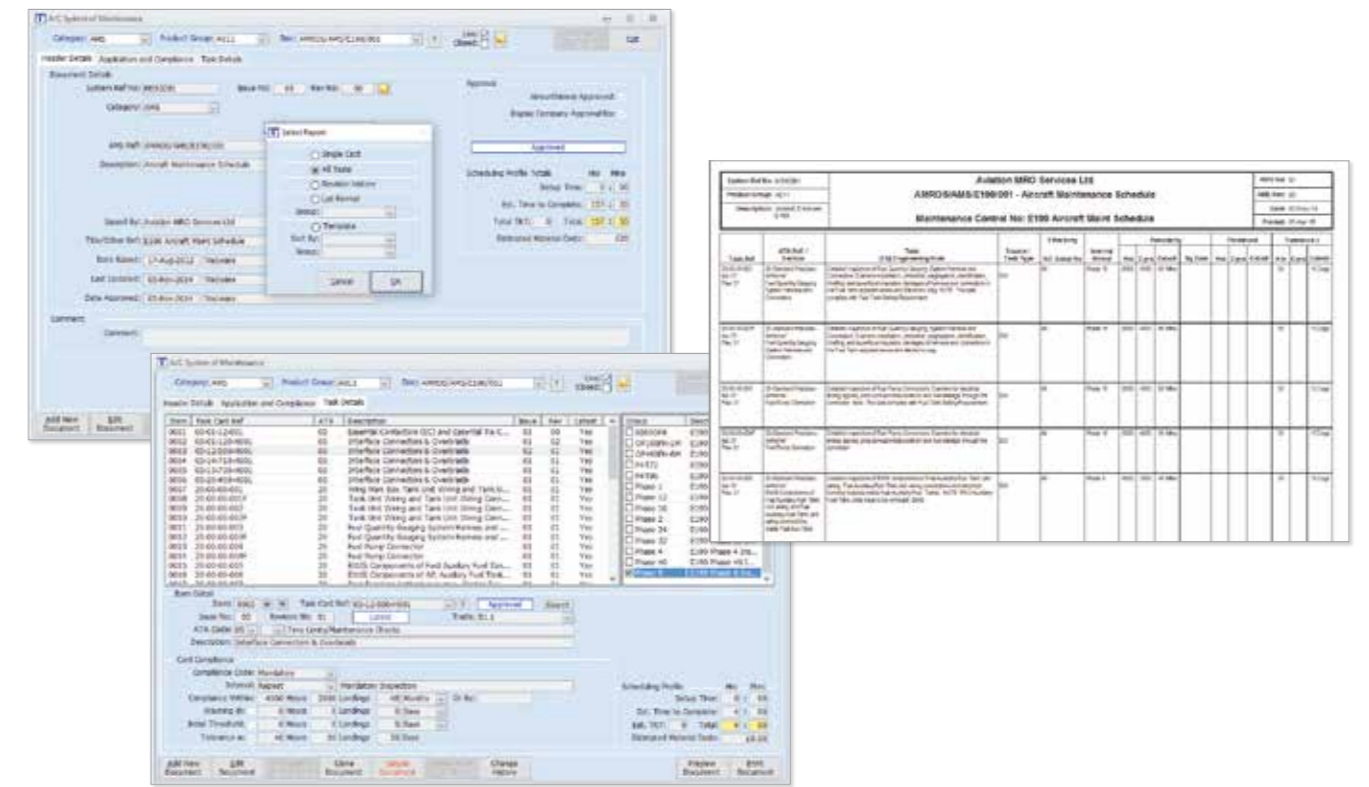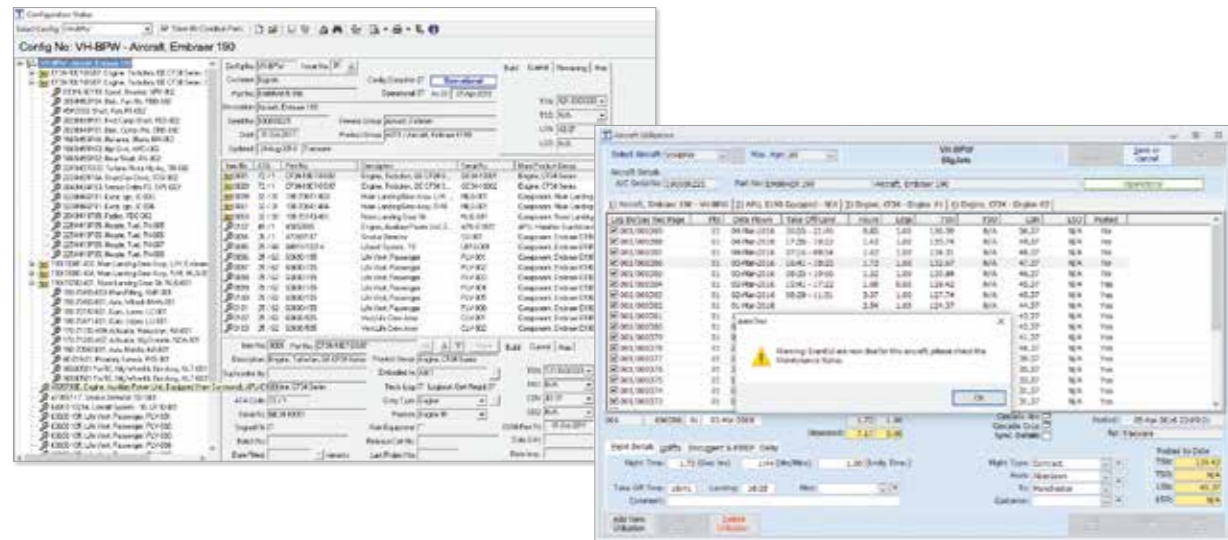
Keeping Control
- Aircraft System of Management

Aircraft management is made easier with the Configuration Control screen. Build an image of the life-limited parts of each aircraft, including life, serial number and position structured by ATA, or as you wish. The Config acts as a rigid template, which is updated by regimented MRO functionality, ensuring quality, consistency and safe operation.

Aerotrac uses Part Master data to calculate remaining life and scheduled removal dates. Update the Config with simple, accurate flight-hour logging and view component changes automatically made through maintenance performed on Hangar Projects.

Features include:

- Enter Life details, Serial Numbers, Positions, Dates of Manufacture or Date Fitted / Inspected, and Log Book Entry requirements
- Copy or 'Clone' existing Configs to new aircraft. The Config then forms a template that acts as a master control
- Create multi-level assemblies using pre-defined Bills of Materials, allowing simple transfer of complex assemblies from airframe to airframe
- Book Flight Hours by Sector Record / Tech Log Page, or by 'Block' booking
- Control Role Equipment and Additional Equipment Lists
- View Change History Reports on all changes made to each aircraft Config

- Control other 'Chaotic' components with separate life controls, e.g. APU
- Complex Cycle Calculations for 'Abbreviated Cycle Factors', RINS, N1/N2 cycles, Lifts etc are included as standard
- Print Log Book entries
- Record Fuel and Fluid Uplifts for the aircraft, engines and other components
- Record Pilot Reported Incidents and action either as 'Defects' or as 'Observations'
- Record 'Delays'

Keeping Control
- Publications

Build a library of default Technical Publications as issued by OEM's and Airworthiness Authorities.

The Publications can be linked by applicability to either the aircraft or aircraft components.

Features include:

- Assignment to the applicable OEM or Airworthiness Authority
- Input default compliance times and create automated warnings for when compliance is imminent
- Periodicity calculations include the ability to manage Publications with multiple compliances, e.g. Part 1 at 1000 hours, Part 2 at 50 hours after compliance of Part 1
- Cross-reference (link) Publications, so that incorporation of one automatically updates compliance of another
- Create applications to multiple aircraft / component types using generic 'Product Groups', whilst targeting applicability to specific part numbers / serial numbers if required

- Input estimated time to perform the task for Cost Estimating and turn-time analysis
- Update Revision Status and set 'Review Dates' for alerts on when a Publication should next be reviewed
- Circulate draft publications for approval before applying to the Maintenance Status of either an aircraft or component
- View all affected parts in stock, or Work in Progress on the workshop floor after adding a new Publication
- Full Tech Library Control: transmit controlled copies to internal departments or line stations, and process Acknowledgements confirming receipts
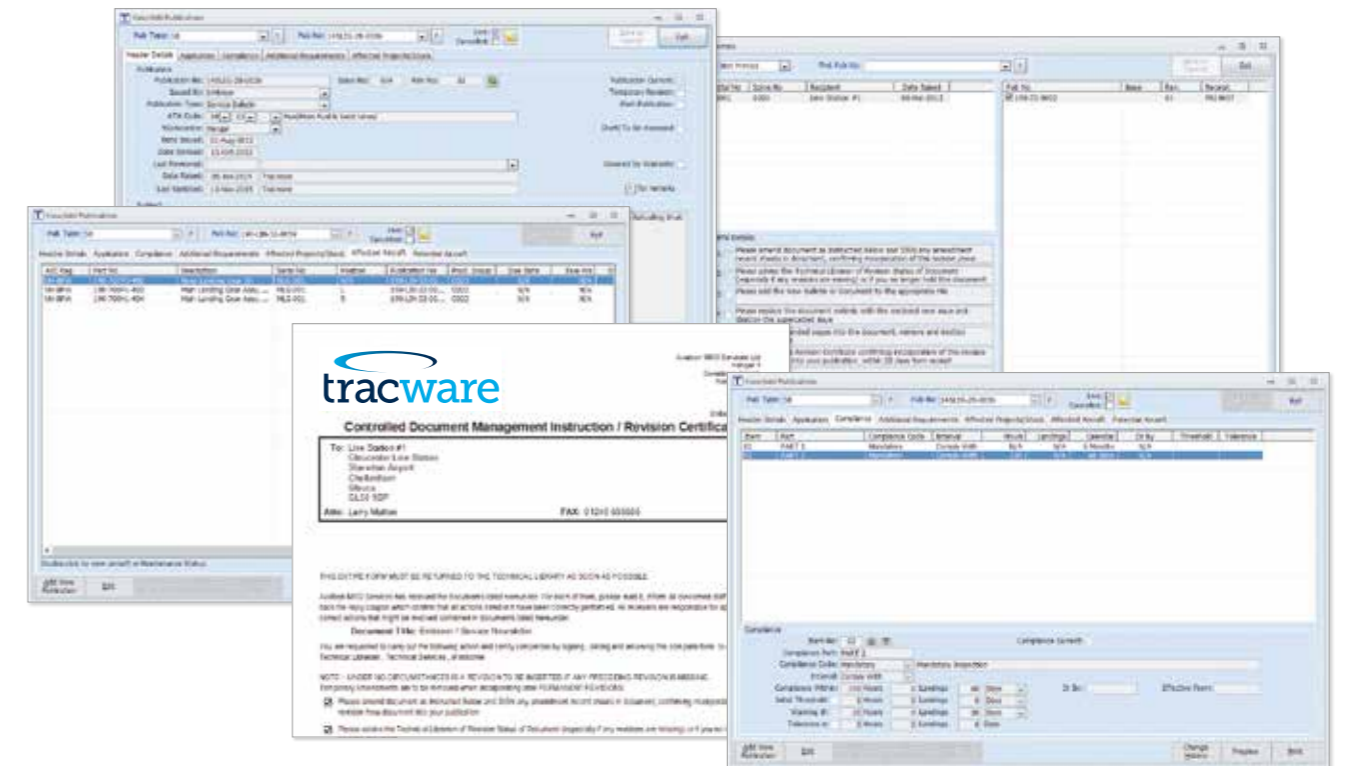
Information at Your Fingertips
- Aircraft Maintenance Status

Aerotrac provides easy access to critical data on the aircraft status from a single screen.

The Maintenance Status screen provides global real-time information on the current status and previous history of an aircraft, whether in operation or in the hangar.

Features include:

- Set the Compliance and view the history of Scheduled Inspections, individual Maintenance Tasks, Publications, life-limited components, additional / role equipment, and reported defects, including MEL Task Cards
- Colour-coded icons indicate status and provide visual confirmation
- Simple drill-down functionality on every screen to interrogate originating data
- Pop-up messages warning of new Publications or Inspections, which are automatically imported
- View scheduled times and dates for Inspections, Publications and component removals
- Record Inspections and Publications that are 'Not Applicable'

- Generate detailed Maintenance Forecast reports for either individual aircraft, aircraft type or the fleet based on Due Dates or on average flight utilisation. Filter forecasts based on Inspection Type, Publication or a part number
- Record defects reported in flight
- Generate Tasks to be accomplished at next shop visit
- Simple application of Extensions to Inspections, component removals etc
- Multiple Status Reports on each tab to produce reports on the history of a Task, Publication or component
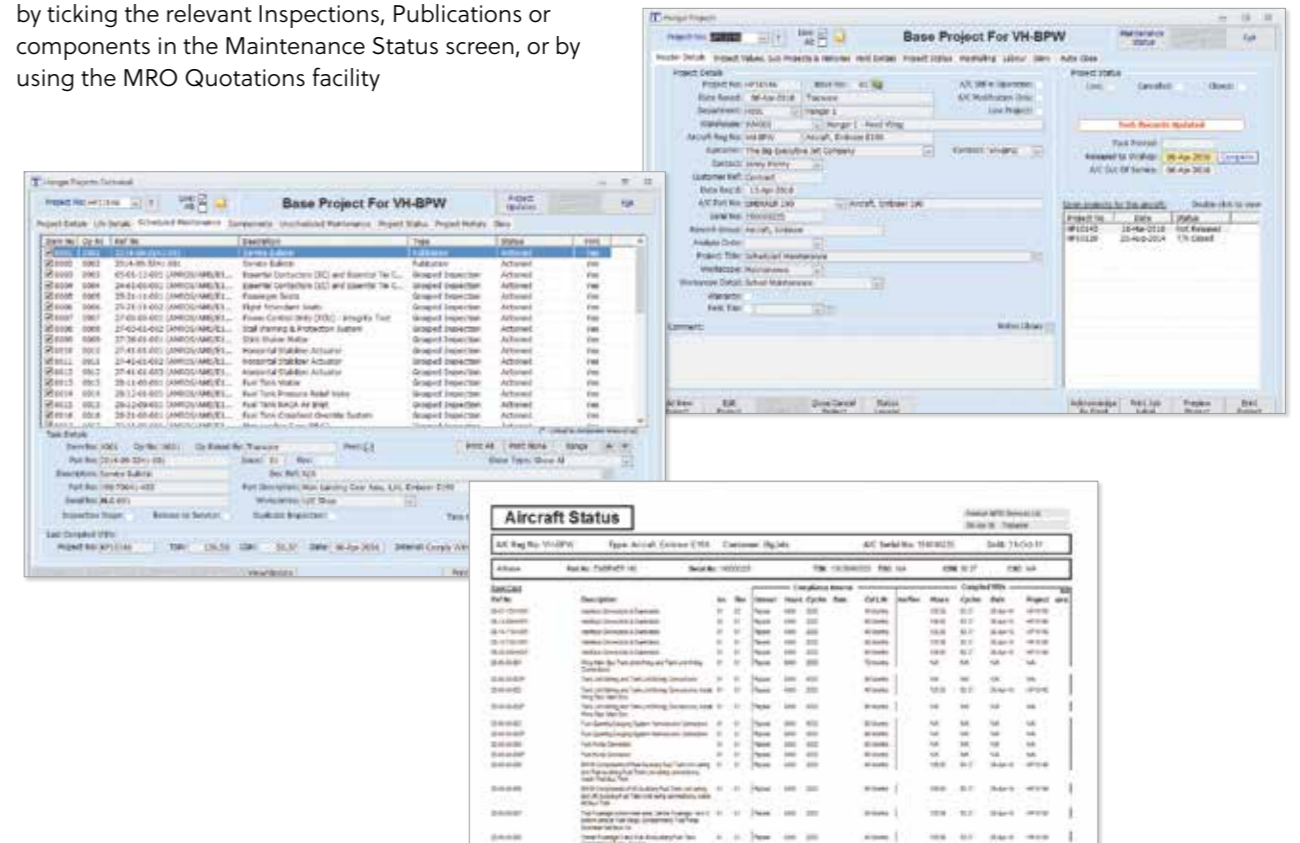
Rapid, Efficient Production
- Hangar Projects

The creation and management of even the most complex maintenance work-scopes is made simple and quick.

Generate Hangar Projects to record and control either Base or Line Maintenance for both 'Maintained' aircraft or Ad-Hoc inputs from third parties that control their own Maintenance Planning. Issue Work-Packs for major checks, component changes and Publication compliance in minutes. A host of information regarding the project status is available to all users, keeping everyone concerned up to date, from the Finance, Commercial and Quality Departments to engineers on the shop-floor.

Features include:

- A wide array of information available on a single screen with additional drill-down visibility allowing access to view all matters relating to the Workscope, including hours booked, material shortages, linked Repair Orders or Sub-Projects, financial Holds, Estimates, Invoices and previous history
- Auto-generated Work-Packs can be produced simply by ticking the relevant Inspections, Publications or components in the Maintenance Status screen, or by using the MRO Quotations facility

- Colour-coded screens to identify the status of Scheduled Inspections, Publications, life-limited component changes
- CRM Project Diary to record all correspondence and factors that affect the Project

Rapid, Efficient Production
- Inspection Workbench

Designed for shop-floor use, this screen provides a wealth of information and a single point of data entry for inspection results and material demands.

Work is streamlined, communication is improved, time is saved, paperwork can be reduced and accuracy is greatly improved.

Features include:

- Create and clear Unscheduled Defects / NRC's
- Generate component changes and process component removals, including component 'Robberies', with streamlined management of the technical, commercial and logistical processes
- Demand replacement parts and kits
- Route parts for repair (either in-house or sub-con) based on Part Master settings

- Remove and add non-lifed Additional Equipment for enhanced component tracking
- View Tasks by Zone / Trade
- Re-print and update Tasks upon completion or for hand-over
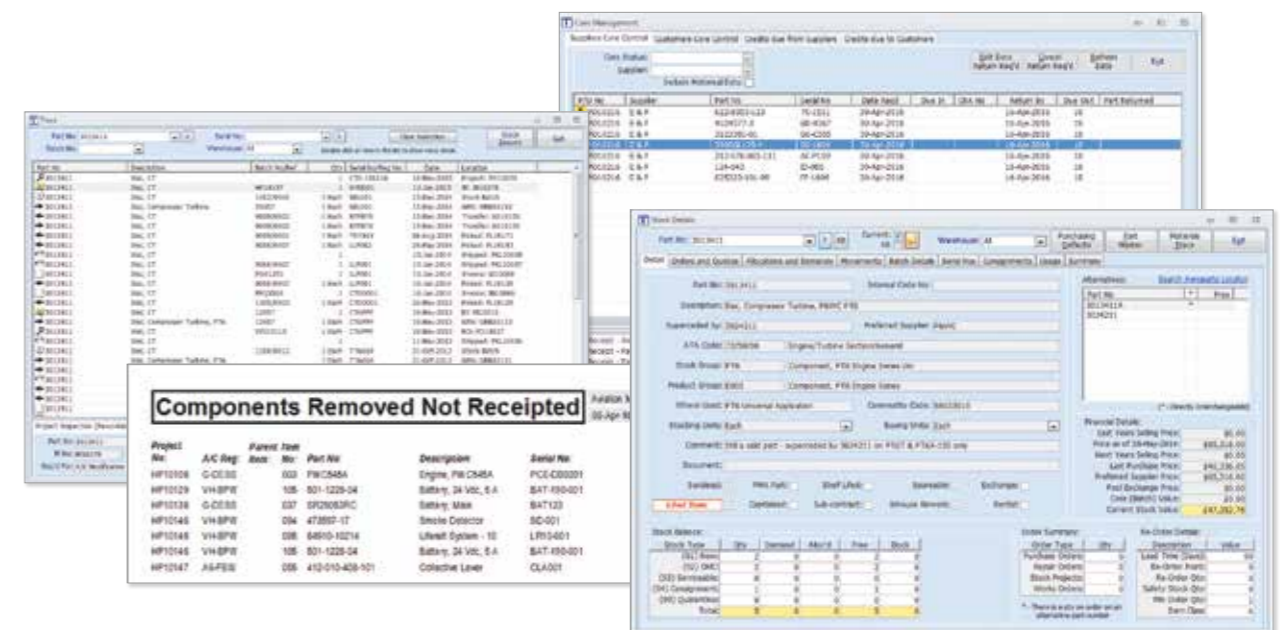- Marshalling screen with colour-coded icons denoting status / disposition of all material requirements
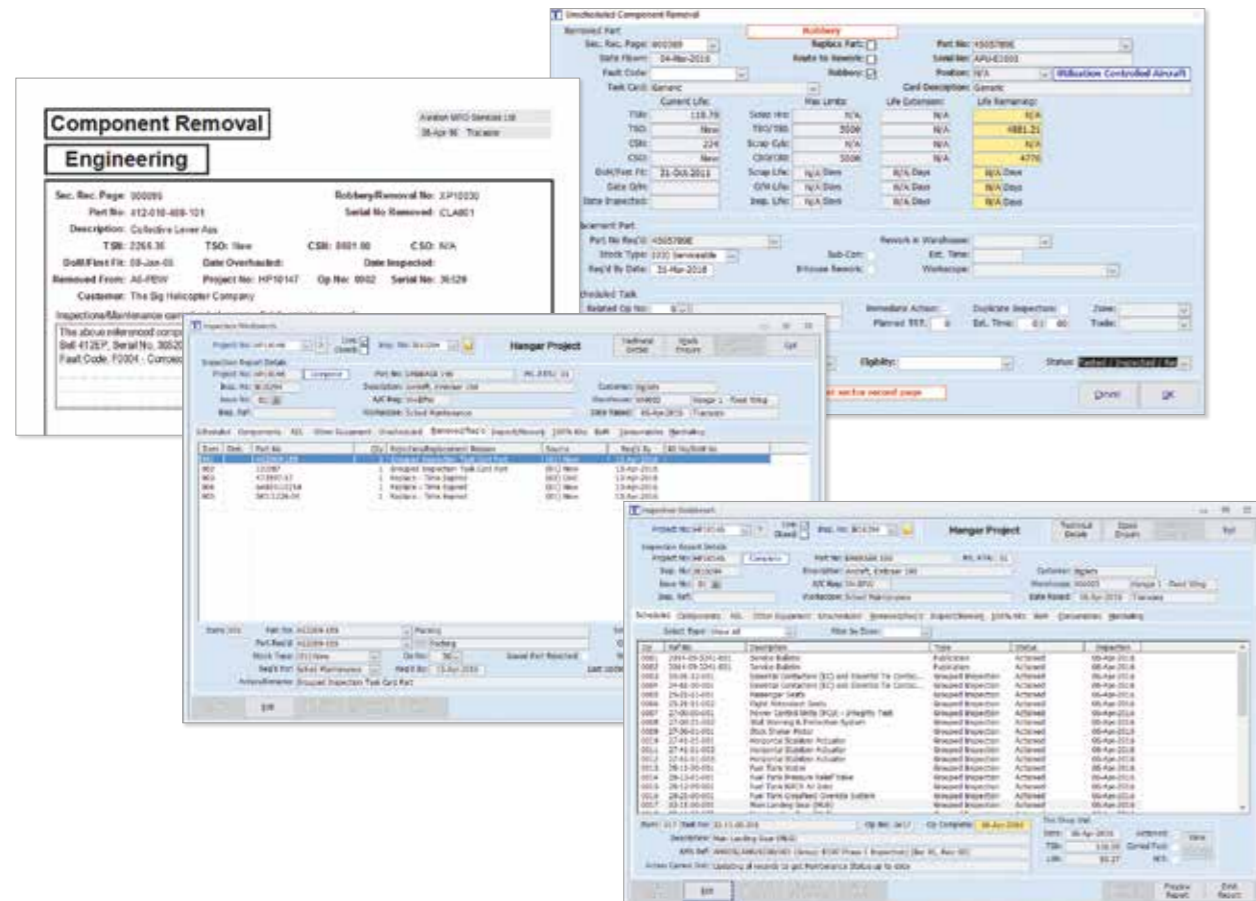
Improved Visibility
- Inventory Management

Disciplined Inventory Management is fundamental to success in MRO. Aerotrac allows users to control stock in an aviation MRO environment, and generate the greatest financial rewards.

Enhanced stock control is at the heart of Aerotrac, with a wide variety of tools that improve material planning, save time, control specific commercial processes, provide in-depth analysis, offer structure and discipline and vastly improve the overall control of the business's most valuable assets.

Features include:

- Interactive Dashboards to assist with materials management and ordering
- Multi-Warehousing
- Multiple Stock Conditions
- Product Group and item (ABC) classification
- Stock Movement Categorisation (Active / Slow Moving)
- Ageing Stock Analysis
- Perpetual Inventory Counting
- Consignment Stock / Customer Property
- PMA Parts control
- Re-Order Point / Re-Order Quantity (Min / Max) calculations based on user-defined algorithms, usage, cost, lead-time etc.

- Shelf Life material control
- Kits (Stock or Kit List)
- Rotable Pool / Capitalised Assets control
- Re-Order Reports / Shortage Reports
- Full Purchase / Sales Order Processing
- Semi- Automated Ordering and Expediting
- Complete transactional history with drill-down
- Visibility of Release Certification, Life Limits etc
- Link to AeroPartsLocator.com

Make the Right Decision
- Material Review

Assessing material requirements is amongst the most important decision-making processes in MRO. Make the right choices with Aerotrac's uniquely powerful planning tool.

Features include:

- Exchange Control
- Suggested Alternatives
- Automated generation of Purchase Orders
- Material shortages analysis
- Auto-generation of Sub-Con Repair Orders and Sub-Projects for in-house repairs
- Kits

- Consumables
- Commercial and financial controls
- Stock Allocation and Picking
- Warranty control
- Marshalling Screen with colour-coded icons denoting status / disposition of all material requirements.
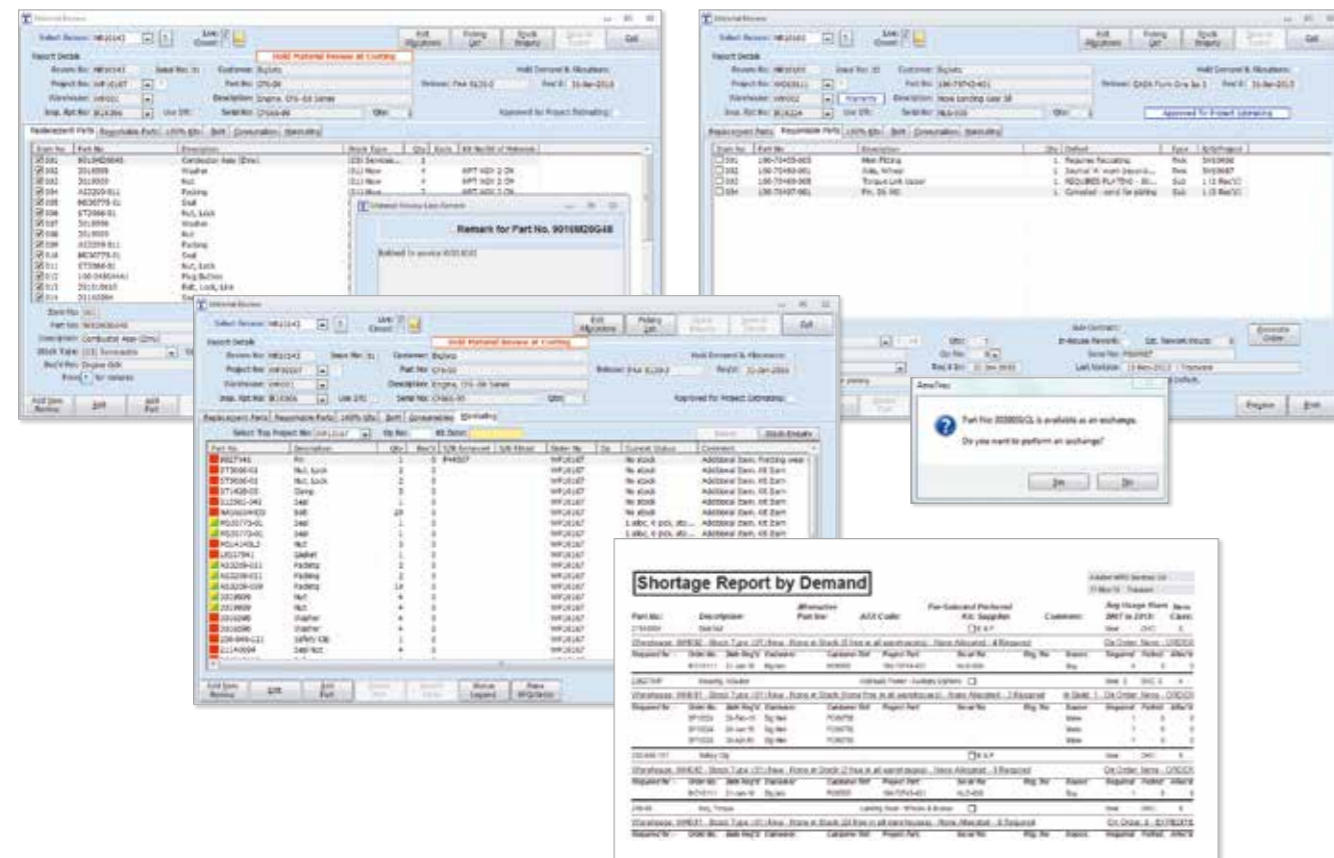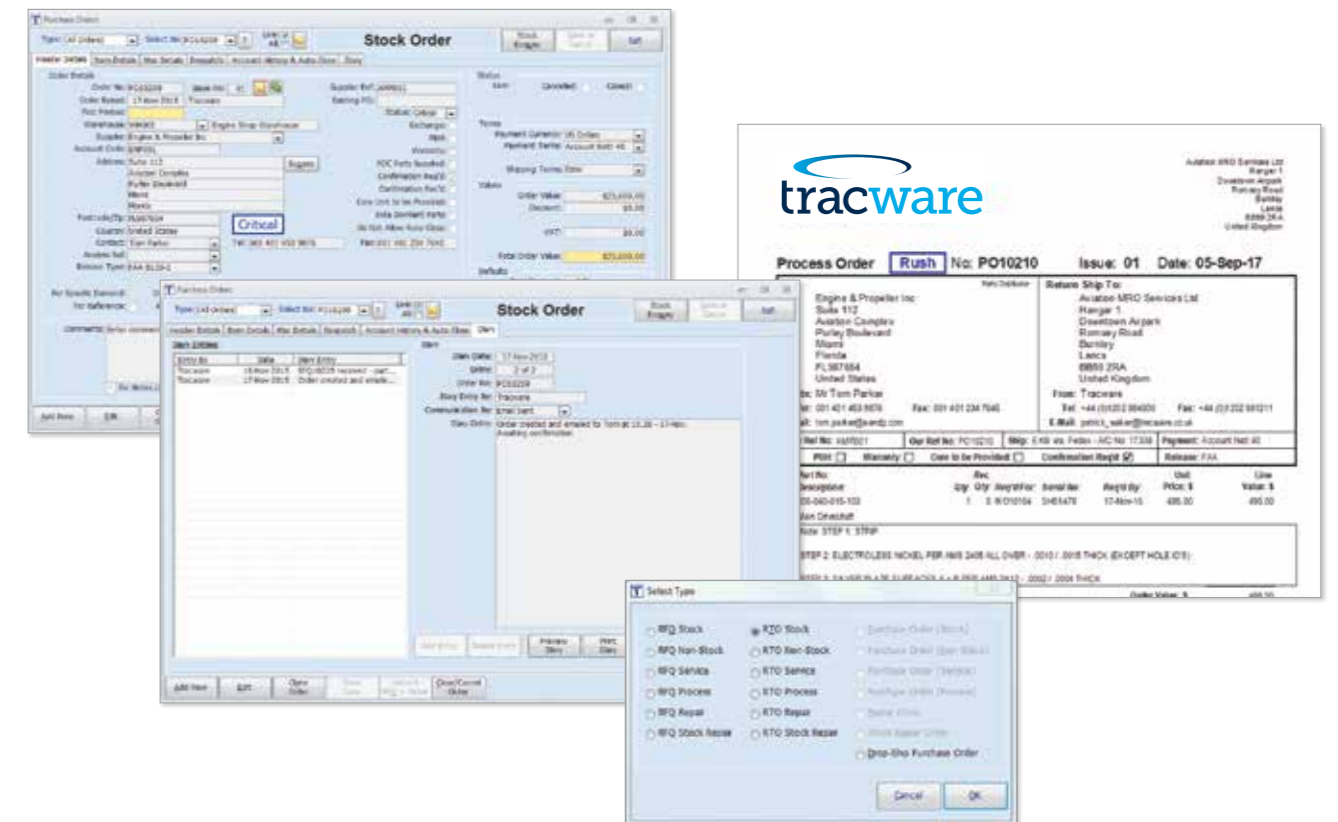
Process - Led Functionality
- Purchase Order Processing

Aerotrac controls the MRO processes so that supply chain functions are performed following appropriate commercial, financial and technical procedures.

Features include:

- Purchase Orders for Stock and Non-Stock items
- Service Orders
- Sub-Contract Repair Orders and Repairs Orders for Stock
- Process Orders
- Drop-Ship Purchase Orders
- Requests for Quotation for each order type

- Optional Request to Order (RTO) authorisation process controlled by pre-defined financial levels of authority
- Exchange Order Core Management
- Supplier Auditing / Approved Vendor control
- Warranty control

Process - Led Functionality
- Purchase Order Processing

Features include:

- Vendor / P.O Diary and abundant Comment / Remarks boxes to store correspondence and information relating to RFQ's / Orders

- Vendor invoice history - including optional automated links to accounting software for real-time payment status

- Links to optional Quality Management module for Vendor approval, auditing and order delivery performance analysis: control of Vendor applicability based on defined scopes

- Purchasing Default records including unit price breaks, price per pack size, lead time, separate Vendor part number, warranty terms and Release Type. Fixed price overhaul, repair and exchange prices are included

- Query RFQ, Purchasing and Invoicing History

- Options to allocate P.O's to specific Projects, including separate miscellaneous charges

- Pop-up messages at PO, Receipt and Issue stages to remind users of important information / functions

- Automated expediting and Re-order reports

- Record multiple Certification Types on one order

- Multi-Warehouse capability, including management of purchasing on a centralised or local basis

- Lot control for purchasing of tear-downs or material 'lots' - (Optional Advanced Parts Trading module required)

- Consignment Stock management, including Customer-owned property
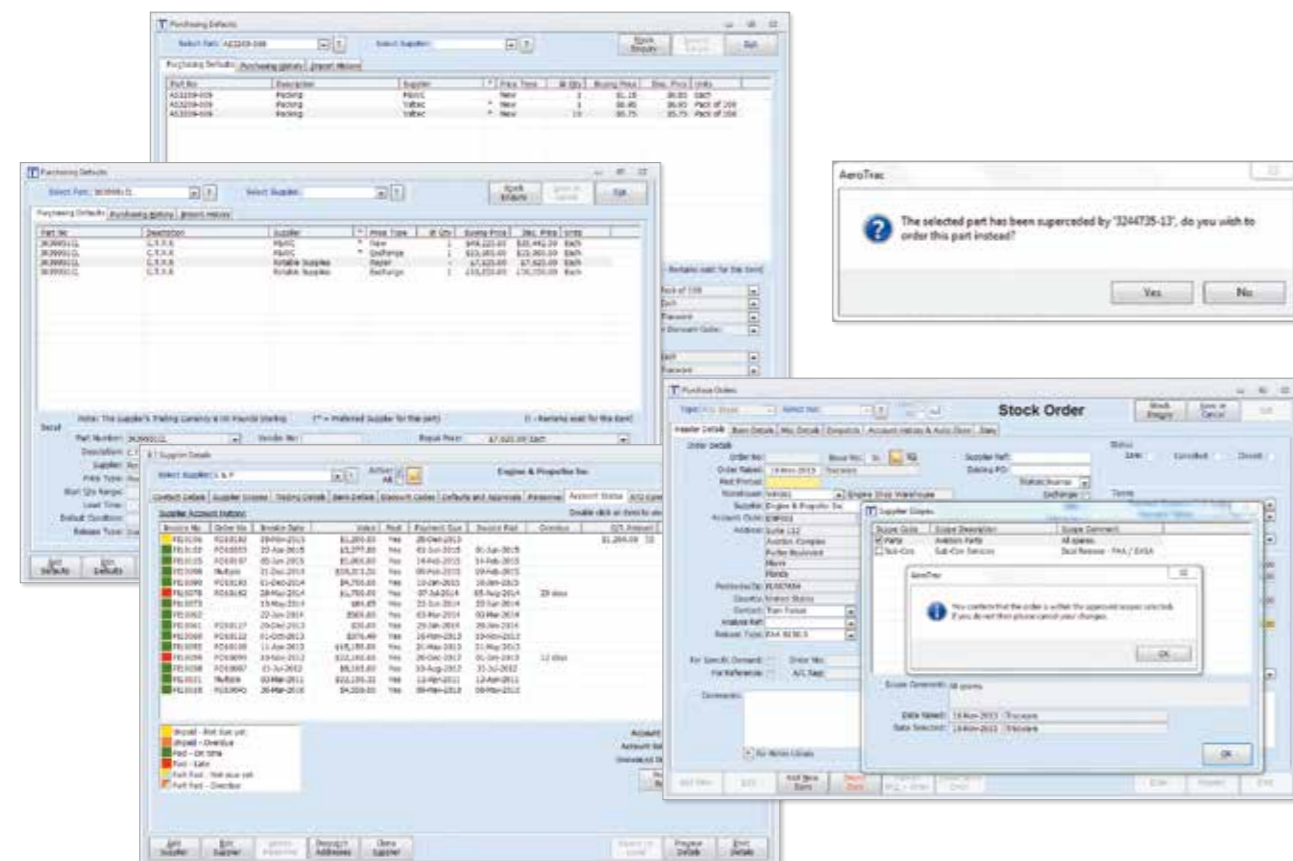
Stay in Touch
- Marshalling and Labour Screens

Aerotrac provides crucial data in an easily accessible format to keep users up to date.

The Marshalling screen is an open book on the status of the material requirements for each individual project. The colour-coded Status provides immediate indications of shortages, and prompts action for parts that are required to be purchased, repaired, expedited or progress-chased on the shop floor. This extends to include materials required for associated Sub-Projects and Component Rework projects. Extensive drill-down functionality allows users to investigate stock, alternatives, Purchase / Repair Order progress, hangar and workshop projects, Works Orders etc.

The Labour screen indicates the current number of hours booked to a task and the Project as a whole, allowing for simple reconciliation against templated hours. Eliminate over-bookings and identify strengths and potential weaknesses.

The Labour Tab appears on the following screens:

- Hangar Projects
- Workshop Projects
- Sub-Projects
- Component Rework Projects

The Marshalling Tab appears on the following screens:

- Hangar Projects
- Workshop Projects
- Sub-Projects
- Component Rework Projects
- Workscope Details
- Inspection Workbench
- Material Reviews
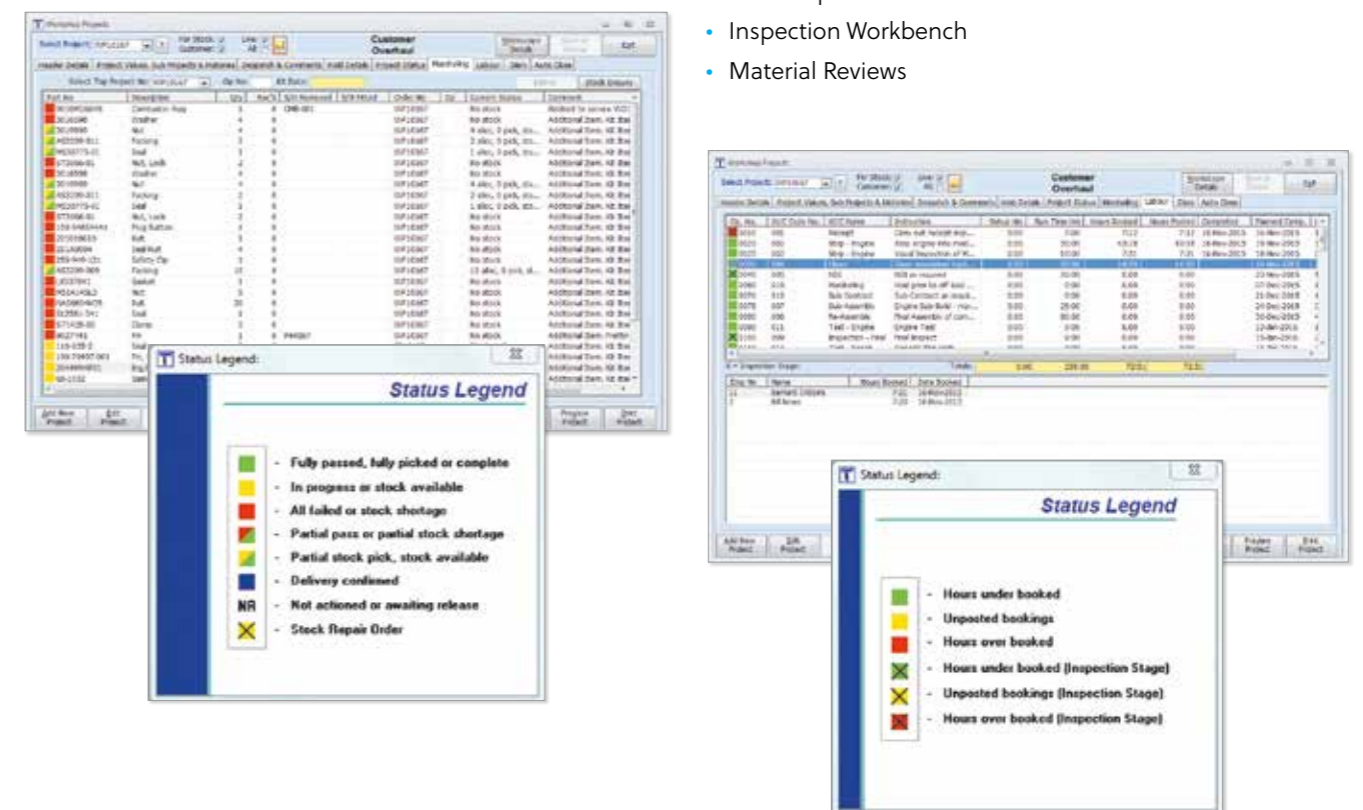
Save Time - Use Your Data!
- Status Board

The Status Board provides powerful functionality that dramatically reduces the time spent performing potentially laborious but critical tasks.

The Status Board provides instant snapshots of the most vital data that affects your business and provides functionality to rapidly perform tasks that are embedded in the Aviation MRO process.

The Status Board provides a graphical representation of some of the key management reports in the system, providing essential data on the current status and enabling the users to take relevant action with the click of a mouse.

Features include:

- **Stock** - Semi-automated re-ordering of parts below minimum stock / re-order level. Simply tick the boxes, click 'Order Items' and the system automatically builds a purchase order or adds to an existing order

- **Shelf Life** - Identifies shelf life stock, calibrated tools and GSE that are due for expiry / recalibration / service using customisable alerts

- **Demand** - Identification and semi-automated ordering of material shortages - reviews material shortages for Projects across the business, including analysis of alternatives and stock available (or on order) in other warehouses

- **Availability** - simple automated allocation or FIFO picking of stock identified as available and required for Sales Order and Workshop / Hangar Projects, Sub- Projects and Works Orders

- **Deliveries** - Identifies Purchase / Repair Orders due for delivery: Auto-generate expedite requests for simple progress chasing. Also identifies parts 'At Dock ' such as purchased items received but not booked in, and parts sent in for repair where a Project has not yet been raised

- **Estimating** - notifies Commercial Dept that a Project is ready for an estimate to be raised, or has been raised but is awaiting Customer approval

- **Invoicing** - Sales / Project and Purchase Invoices that have been raised and that require payment details to be updated (Debtors / Creditors)

- **Inspect** - Material Requisitions direct from the shop floor - review and process live material demands direct from the shop floor

- **Scheduling** - simple 'traffic light' screen to indicate to a Dept / Work-Centre of the Work in Progress in their area and the current status

- **A/C** - Aircraft Maintenance Forecast - simple visual alert of all maintained aircraft with imminent maintenance requirements (within user-defined parameters) - allows for simple interrogation and processing of detailed maintenance forecasts or raising Hangar Projects

- **Defects** - View, interrogate and process all open Aircraft Defects still to be actioned, carried forward or deferred as MEL items until closed

- **Planned Arrivals** - Indicates all planned work (from the Planned Arrivals screen)

- **Requests** - An internal automated messaging system for users to 'Request' actions be performed by other default users, including Authorisation of PO's, creating new Part Masters, Part Requisitions and General Notes

- **Options** - Status Board variables that give the individual user the option to configure the screens they have access to and what criteria they wish to apply.

Improve Your Business
- Project Estimating / Invoicing

Improve margins and cash flow using the Aerotrac Project Estimate and Invoicing features. Aerotrac is purpose written for businesses offering maintenance services to third-parties.

The software captures all costs related to a Project including Labour, Materials, Sub-Con and Misc costs such as AOG freight costs and ancillary service charges. Recharging can be in multi-currency on either a time and materials basis, or as per a previously authorised estimate in multi-currencies.

Estimating / Invoicing of Projects includes the following options:

Parts:

- Use 'Actual Costs' with mark-ups based on parts allocated /picked, or based on specific RFQ's where the part will not be purchased before an estimate is approved
- Mark-ups can be varied using a table of uplifts based on costs
- Set Selling Prices for parts in New, OHC, Serviceable and Exchange Condition, including Selling Prices for a specific batch of parts.

Labour:

- Apply different charge-out rates for different Customers
- Apply different charge-out rates per department

Sub-Con and Misc:

- Apply mark-ups based on actual costs
- Charges can be imported from Purchase Orders or Invoices that are linked to the Project.

Other features include:

- Exchange Control
- Warranty Control on Labour, Parts, Sub-Con and Misc Charges
- Conventional and 'Technical' estimates and invoices with unlimited space for describing the reason for charges
- Order Estimates and Invoices based on 'Op No' (Task) or by specific user- headings, including a print-order reference that allows the user to structure an invoice in any order that is desired
- Invoice elements of Projects to multiple Customers
- Pro-forma invoices for pre-payments.
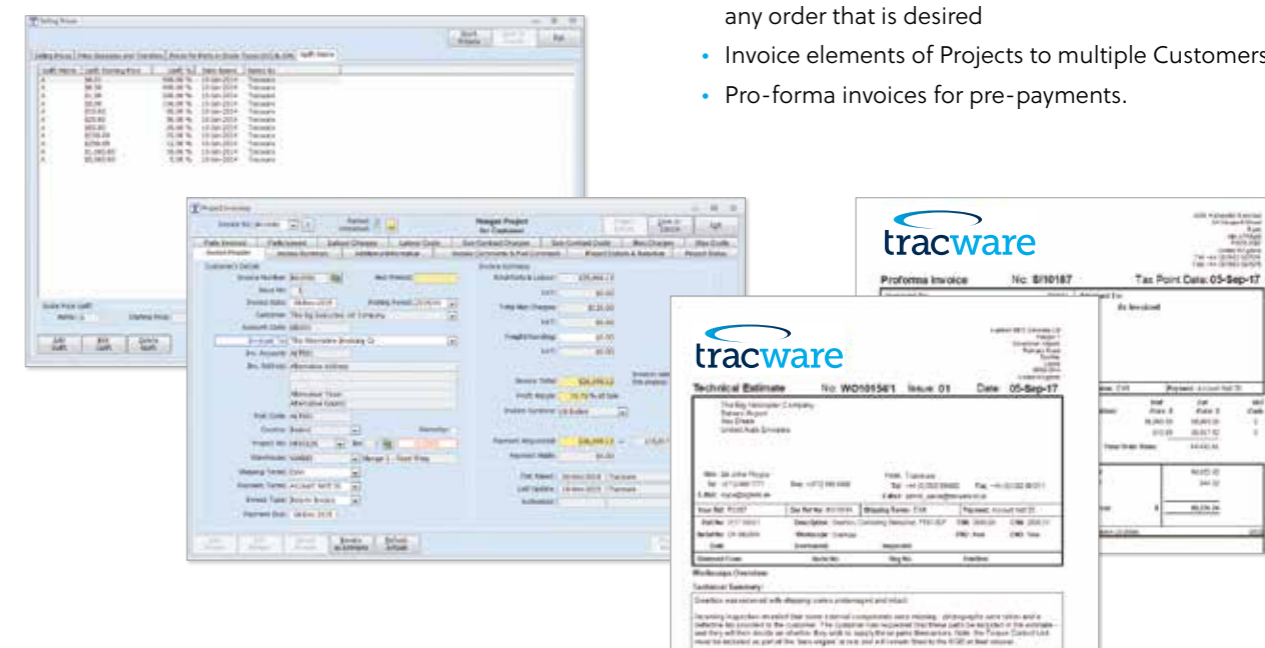
Improve Your Business
- Sales Order Processing

—

Sell services and stock 'Over-the-Counter' using the multi-currency Sales Order Processing routine. Users can process the whole transaction from initial quote to final packing and invoice.

See profit margins on screen against each batch during order-taking for informed decision-making. All costs can be captured against the Sales Order, including Core Charges, freight and services costs - even repair costs of cores for truly accurate Cost of Sales reporting. Fully integrated with material demands for mro projects and manufacturing work orders

Features include:

- Stock Sales
- Sales of any other miscellaneous service
- Exchange Core control
- Warranty control
- RMA control
- Sales Order / Customer Diary
- View Account and Sales Quote/ Sales Order history
- Manage the entire process from Sales Quote to Final Invoice and Despatch from one screen
- Simple conversion from Sales Quote to Sales Order
- Process Back-to-Back Orders
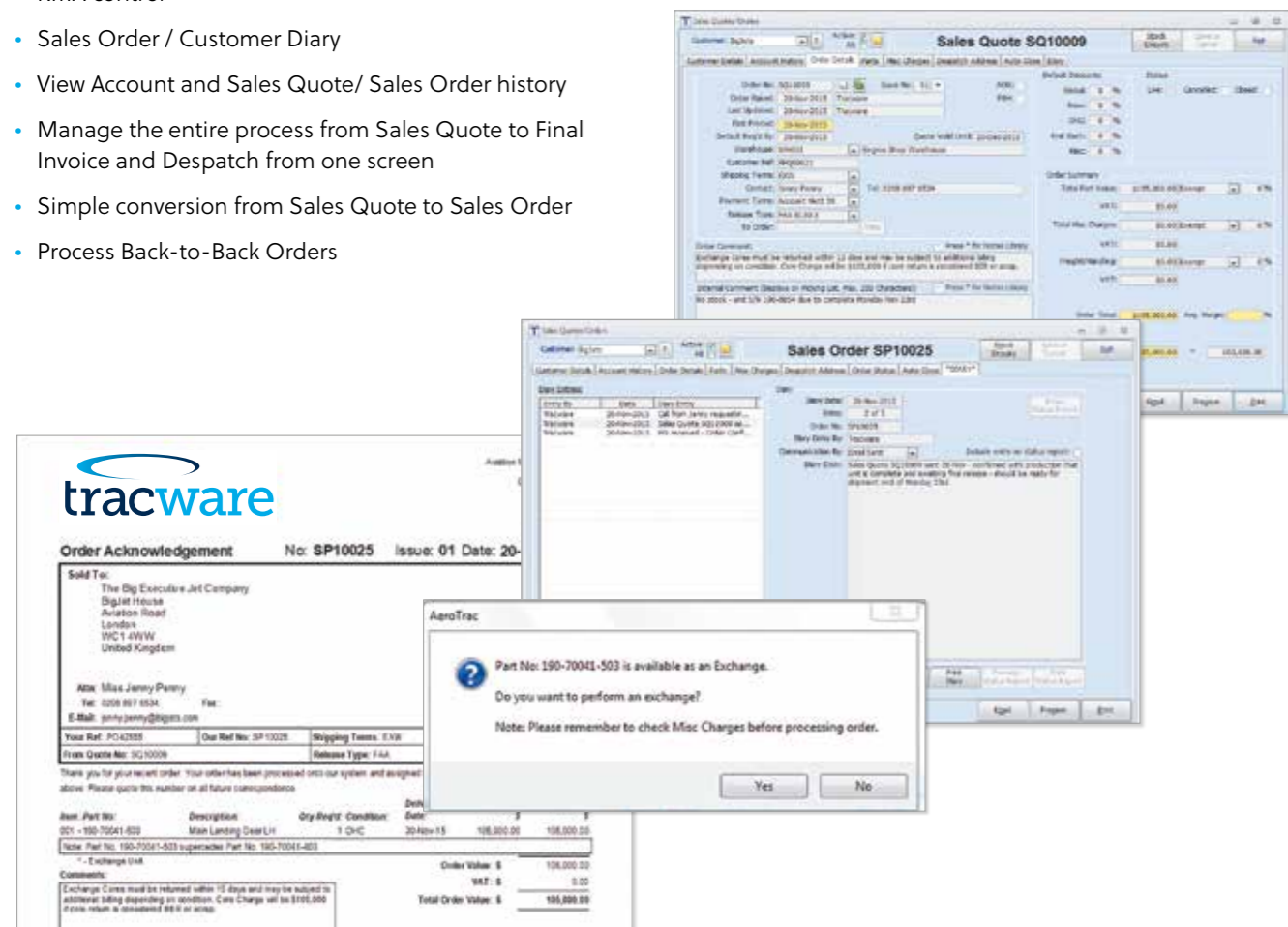
Wall-to-Wall Functionality
- Technical Records

—

Aerotrac has full Tech Records capability, which simplifies the task of auditing work-packs, and accelerates the process of confirming life-limited component changes, completion of scheduled inspections and clearance of defects. This can also improve the accuracy and speed of raising invoices.
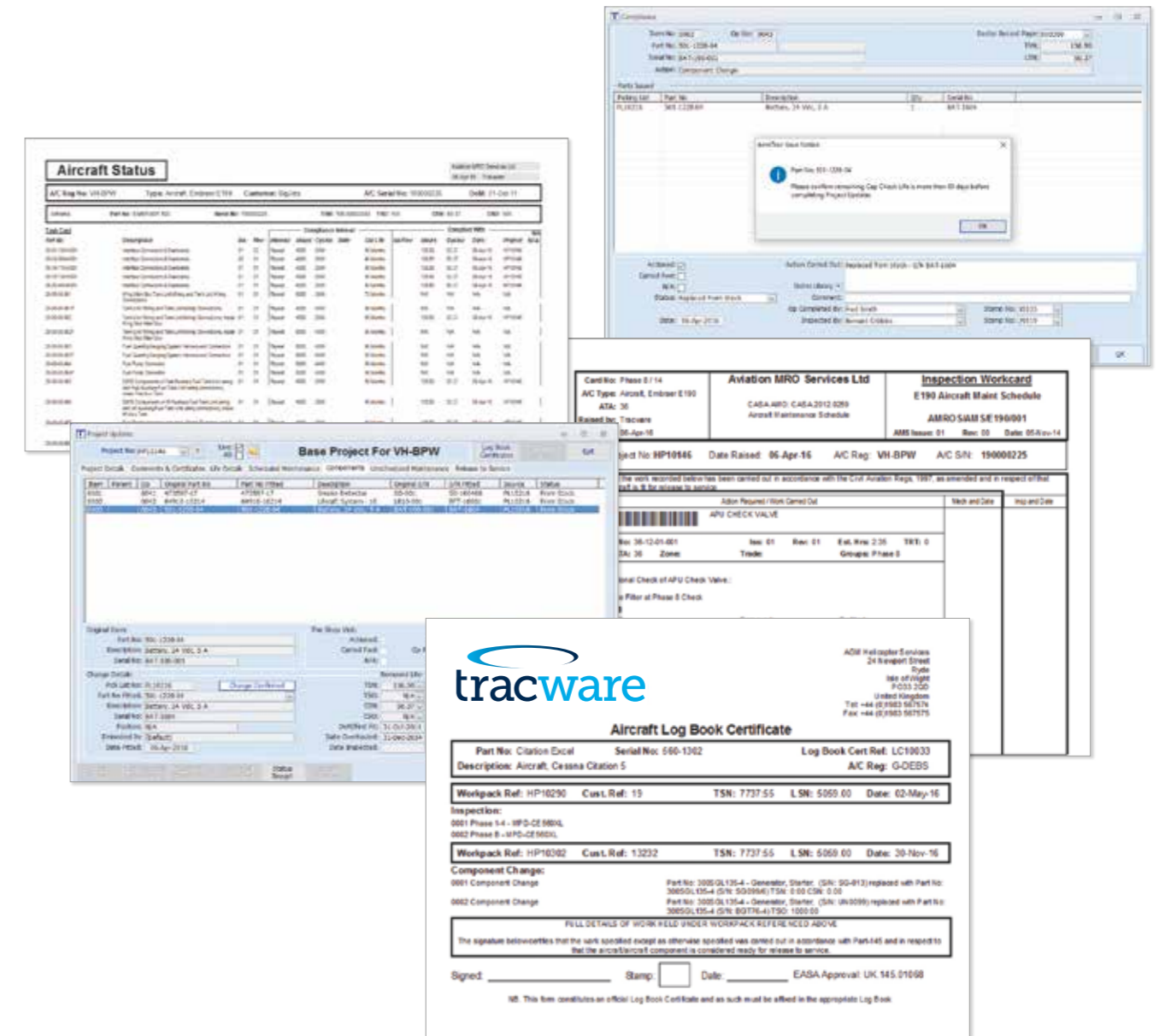
Wall-to-Wall Functionality - Component Tracking

A vital part of aircraft management is the tracking of components - both on and off-wing.

Aerotrac has numerous functions to assist with this, in particular the Component Log which is a vital tool for reducing data duplication and ensuring consistency and accuracy.

Features include:

- The ability to hold a Maintenance Status against assemblies and individual life-limited components whilst 'off-wing'
- The ability to forecast and track scheduled maintenance on assemblies and components whilst off-wing
- Import all critical data for all assemblies removed from an aircraft config - reducing any data duplication
- Build a maintenance status for newly acquired assemblies and components whilst in stock, for simple and rapid transfer of data to an aircraft config once the part is fitted.

Other features include:

- Component Status Reports tracking the removal, refit, stocking and repair of life-limited 'Config' components
- Part No / Serial No / Batch No 'Trace' screen which also tracks when serialised components have been repaired (RO or in-house), shipped, invoiced, rejected, scrapped, stocked, picked, or are currently fitted to an aircraft
- Reports to identify components removed but not yet receipted to stock.
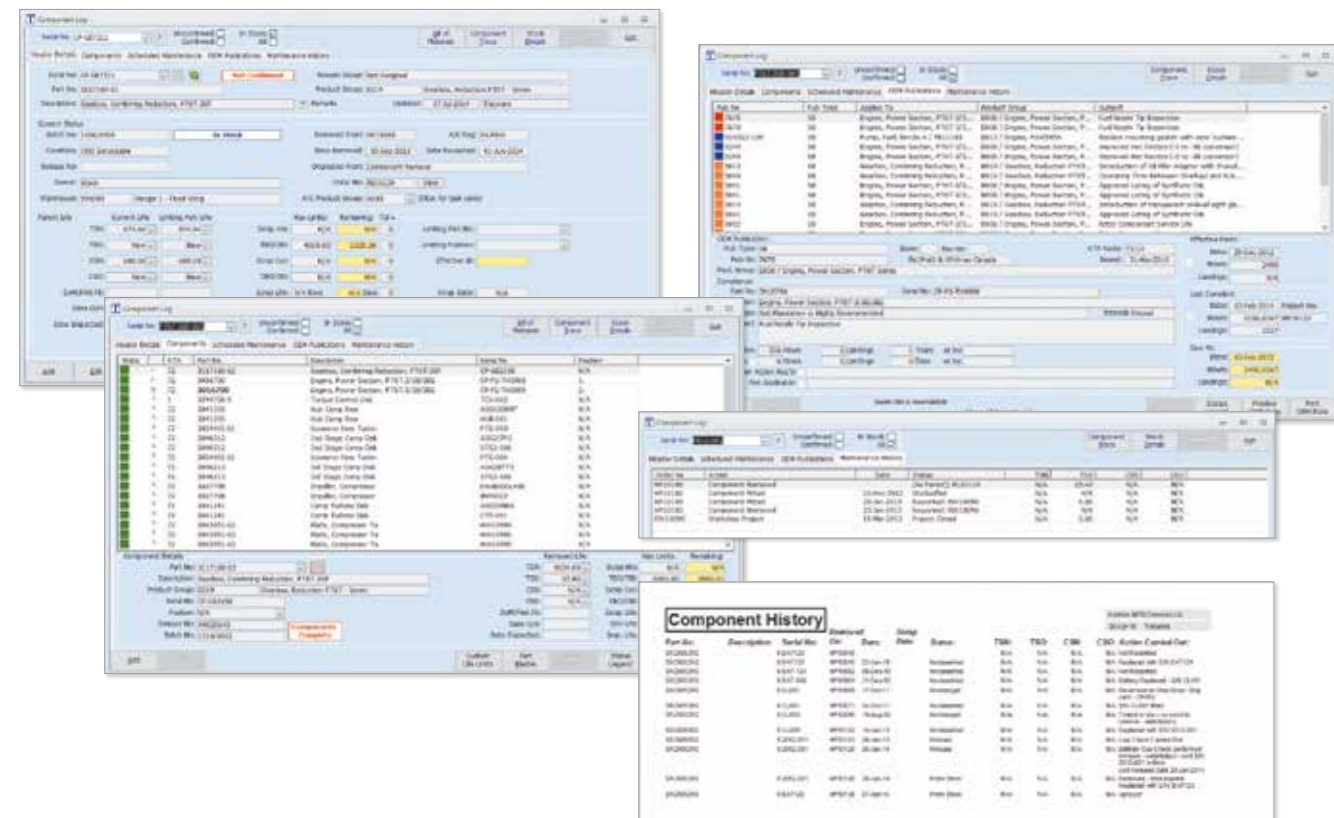
Wall-to-Wall Functionality - Financial Controls

Financial controls are comprehensive, simple, automated and secure. All Sales / Accounts Receivable, Purchase / Accounts Payable and Nominal / General Ledger transactions are managed by default settings and are captured ready for transfer to a compatible accounting solution of your choice.

Aerotrac provides audit-trail type reporting to facilitate easy reconciliation, including summary and detailed Work in Progress and Cost of Sales reports.

Features include:

- Optional real-time two-way data transfer to compatible accounting software using an API
- Optional interface, allowing integration with almost any accounting solution (restrictions may apply)
- Standard data transfer (via .csv file) to numerous standard accounting solutions (restrictions may apply)
- Financial Holds and Credit Control
- Stock Valuation
- Ageing Stock reports
- GRNI reporting / Stock Accrual
- Instant Work in Progress valuation
- Detailed Cost of Sales reporting
- Direct Operating Cost of Aircraft Report
- Purchase Invoice / Sales Invoice posting
- Nominal Journals feature, including Reversing Journals allowing simple transfer of costs from one project to another
- Debtors / Creditors and Account Statement reports
- Customer / Supplier Account Payment History visible without access to the accounting software
- Simple Period End routine
- Capitalised Asset control
- Multi-currency - including Spot Rates
- Multi-level tax (VAT, GST etc)
- Stock up-lift or apportioned freight costs
- Freight Provisioning
- Finished Goods Costing routine
- Cost Variance reporting
- Standard Costing (manufactured goods only)
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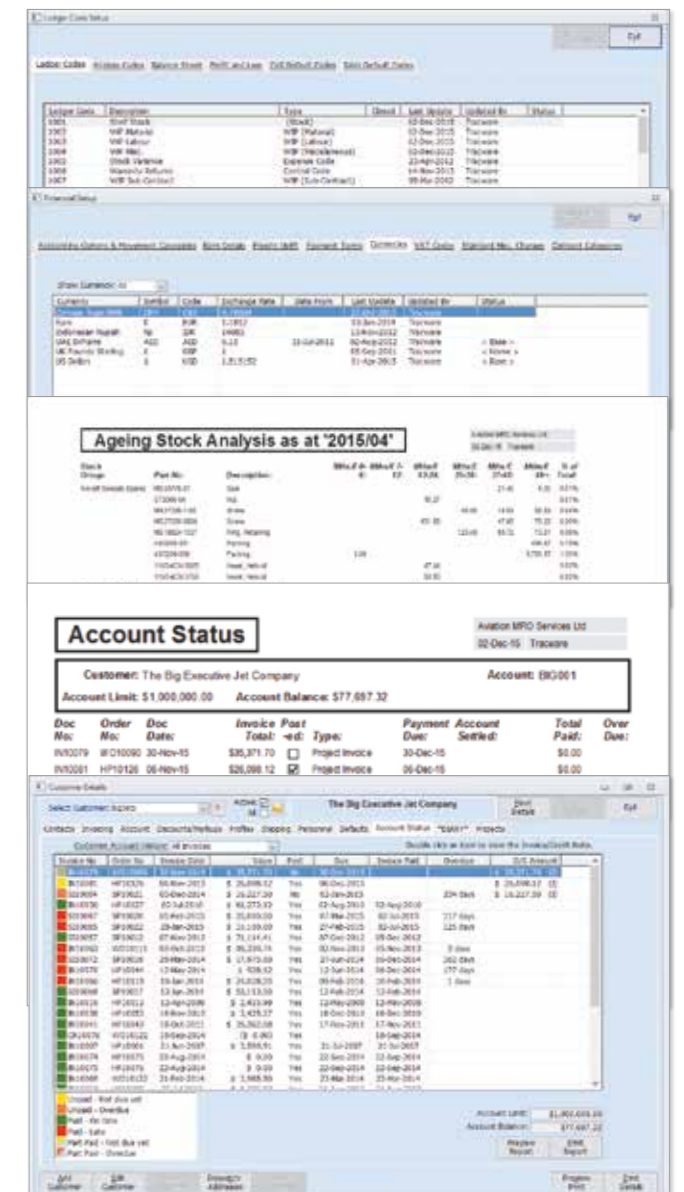
Wall-to-Wall Functionality
- Optional Modules

Aerotrac offers a range of optional modules that link seamlessly with the main application to offer even greater value. Further detailed information on these modules is available upon request.

Engineering - Manufacturing Work Orders

- Multi-level BoM's, Complex Routing and Inspection sign-off
- MPS / MRP interfaced with MRO and SOP requirements
- Drawing Register / Library

Warranty Module

- Manage warranty claims made against OEM's and Suppliers and Outside Repair Vendors
- Control items that are subject to warranty, including parts in stock, issued to a job or fitted to an aircraft
- Process service warranty claims made by your Customers on work performed in-house
- Seamlessly manage the commercial, logistical and financial processes associated with warranty.

Quality Management Module

- Mange Licence and Training records for Engineers and Pilots
- Vendor Performance rating
- QA/Audit Supplier and Departmental Auditing
- Tooling Register and Issuing

TimeClock

- Bar-coded shop-floor data collection system for labour bookings to Projects and Work Orders
- Collect both productive and non-productive time
- Update the WiP Scheduling
- Batch booking to multiple Projects and / or Ops

Reliability Module

- Standard reporting on Defects, Flight Utilisation, Component Changes, Mean-Time Between Failures, Aircraft FIM Codes
- Measure and review the effectiveness of Maintenance Programs in compliance with numerous airworthiness authorities regulatory requirements
- Automated alerts to identify repetitive defects

Crystal Reports Integration

- Incorporate your own bespoke reports into the Aerotrac application
- Substitute existing reports in the Reports Menu and launch substitute reports from specified screens

Advanced Parts Trading

- Extends existing Sales Order Processing functionality
- Lot control to allow costing of piece-parts when purchasing a bundle of spares.
- Enhanced pick-pack functions for rapid distribution
- Teardown control

Contract Management

- Create Contracts to establish budgets and measure against actual costs and revenue
- Link Hangar / Workshop Projects to a contract to capture labour hours, materials , sub-con and misc.
- Review detail of all material requirements, link Advanced Purchase Orders, Work Orders and more

Time and Attendance

- Employee 'On-Shift / Off-Shift' bookings
- Employee Rostering
- Absence, Holiday, TOIL recording
- Integration with the Planning Manager module

Wall-to-Wall Functionality
- Optional Modules

Aerotrac Web Interface (AWI) - Tracware is developing a range of web-based functionality that enhances mobility and convenience.

Aerosector—Electronic Tech Log

- Create secure paperless flight tech logs on handheld and touchpad devices
- Prevent overruns and unauthorised flights
- Clear pre-flight checks and record fuel, oil and fluid uplifts and delays
- Create 'paperless' tech log entries which will synch flight data, take-off weights, flying times, hours, landings, lifts, engine starts / cycles and any Tech Log defects reported in flight directly with Aerotrac v2.50

AWI—Fleet Status Dashboard

- Summary and detailed information on the status of the aircraft fleet
- View location of aircraft, maintenance status, progress of line / base maintenance, open defects etc
- Run maintenance forecasts, add aircraft utilisations including 'Block Bookings'
- Logins available to Customers for them to view their own aircraft fleet

AWI—Planning Manager Module

- Enhanced control of planning functions for Hangar and Workshop Projects and Work Orders
- Capacity Planning linked to technician licenses and capability and Employee Roster
- Views of current status of WiP—Actual v Planned

AWI—Online Shop

- Suitable for Parts Distributors, Service Centres and Stockists
- Customers can view stock levels, stock types, images and prices for an item and then add it to a shopping cart
- Reduces workload of processing RFQ's and Sales Orders and improves cash-flow
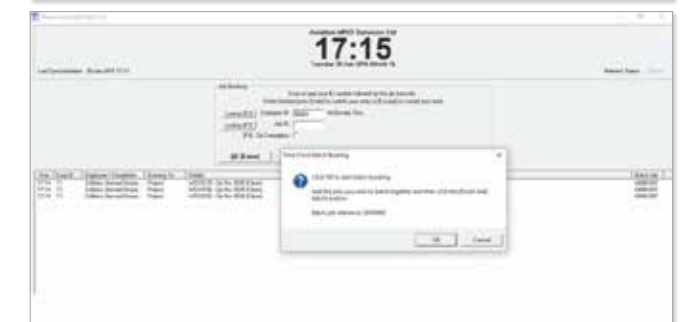
Contact Tracware

Brochures

If you would like more information on our software, please contact us and let us know what area of the industry you are involved with and we will send you the relevant information. Alternatively, you can download brochures in a PDF direct from our website.

Demonstrations

If you would like a demonstration of the software, we would be delighted to arrange a visit at your convenience. Alternatively, we can arrange for an 'on-line' demonstration for overseas interest.

info@tracware.com

www.tracware.com