RedAtlas
General Aviation Software

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Overview

Airport management is a complex process, prompting the need for an efficient, integrated system to enable the successful management of a busy airfield. Every airfield is unique and must consider a variety of factors when planning its operations and growth.

RedAtlas Airport Management System (AMS) provides a tailored solution with a seamless link between the Air Traffic Control (ATC), ground operations and accounts.

The ATC application operates in real-time presenting the opportunity to monitor and track movements. This occurs whilst simultaneously being aware of unpaid fees prior to departure, ensuring peace of mind. The live arrivals and departures board provides customers up to date information. Reducing information requests to the busy ATC department.

RedAtlas AMS also boasts intuitive back-office modules to manage hangarage and parking. The fuel module monitors stock for multiple fuel types and stores, complete with easy-to-use processes for sales, deliveries, transfers, and adjustments.

The accounting function offers a flexible approach to pricing and invoicing providing a timesaving data entry process to maximise operational performance.

Any busy airfield will reap the benefits of features such as taking e-signatures and emailing fuel receipts and invoices, alongside the system's optimisation for use on mobile devices. Say goodbye to duplicated data entry and hello to efficient, easy to use processes.

RedAtlas AMS offers flexible licensing options tailored to meet the diverse operational needs of various airfields. Recognizing that each airfield operates under unique conditions and faces different challenges.

RedAtlas provides three distinct license tiers. These tiers are designed to accommodate the varying levels of complexity, traffic volume, and service requirements of small, medium, and larger General Aviation airfields. Whether an airfield needs basic functionality or comprehensive management solutions, RedAtlas ensures there is

an appropriate package that fits its specific needs, allowing for scalable growth and adaptability.

RedAtlas AMS is constantly evolving to meet the needs of small and medium sized airfields. As part of the package, a demonstration site is provided, allowing all staff to familiarise themselves with the software prior to going live. In addition, a full training programme, easy to use guides, and remote/telephone support ensure a smooth transition to the system.

Software Modules

Movements - whether planning ahead or retrospectively catching up, this real-time view of movements is designed with non – ATC staff in mind.

- Scheduled movements allows for any member of the team to book an aircraft in, taking minimal details, so it filters through to the ATC staff to prevent the need for duplication.
- A PPR process that incorporates approving or declining requests along with a customer email acknowledging or rejecting the request.
- An option to hold Special Events and organise slots within the event. These can be pre-paid, along with having the option to edit or delete a slot.
- Customize settings to set limits for ATC movements during peak times, specific days, or designated periods. This feature assists in managing air traffic effectively, reducing congestion and ensuring smoother operations during busy periods.

- Flight bookings assists with managing bookings for larger aircraft arrivals and departures, which are subject to additional charges and extra services. Paired with a real time view of passengers and crew.
- Operational Checks logs and offers a live view of routine checks carried out on the airfield.

Fuel Management - is a valuable module within the software that is integral to both the refuelers and accounts department.

- It provides a facility to effortlessly record fuel sales, transfers and deliveries.
- The screen contains graphical gauges to provide a clear representation of stock levels.
- An unlimited number of fuel types and locations can be updated when necessary.
- There is an ability to record meter readings against fuel locations.

- Staff will no longer be required to manually record the sales and log the stock of fuel as the system does this automatically.
- It offers a simple method to adjust fuel during testing and record of what has taken place.
- Customers can sign electronically on screen to confirm the sale, and a receipt can be emailed to the pilot, customer, or both.
- User friendly on mobile devices so tablets/iPads can be used, providing a more practical service for the customer.

Software Modules

Parking & Hangarage - allows an important component within the airfield to provide a service and generate additional revenue.

- Unlimited parking locations.
- Option to provide a flexible, recurring charge for hangarage and other parking charges.
- Prices can be specifically arranged for various parking locations and based on particular aircraft criteria.
- Automatic overnight parking charge for non-resident aircraft.
- A parking screen is available to provide clear visual information on real time parking availability.
- The ability to record the square meters of a hangar and the footprint of an aircraft so that space utilisation reports can be run.

Web Forms - **RedAtlas** offers customizable online request forms that seamlessly integrate into an airfield's website, providing a streamlined, self-service experience for both visiting pilots and customers.

- **Online PPR and Book Out Forms**: Streamline the process of requesting prior permission to land (PPR) and booking out an aircraft. Each form is supported by an efficient approval process within the RedAtlas AMS, ensuring timely communication with pilots. Once approved, requests are automatically integrated into the ATC system, creating scheduled movements that save time and reduce errors.
- **Public Arrival and Departures Board**: provides real-time information on aircraft arrivals and departures, which can be displayed either within the airfield's web site or on screens in common areas like the reception or café. This feature enhances the visitor experience by keeping them informed and engaged, reducing the need for manual updates or inquiries.

Self Service Portals – **RedAtlas** offers self service portals to allow airfield customers to make online payments and access account information.

- **Visitor Self-Service Portal**: Enables visiting pilots to quickly and efficiently manage online payments, ensuring a smooth and hassle-free checkout process. It eliminates the need for manual paperwork, reduces wait times, and provides a more efficient experience by allowing pilots to handle all necessary actions independently before departure.
- **Customer Self-Service Portal**: Designed for registered customers, these forms not only facilitate online payments but also allow customers to independently book out their aircraft online and easily download copies of paid invoices, enhancing convenience and operational efficiency.

Software Modules

Invoicing & Payments Processes - an easy-to-use feature that sets out all outstanding charges for an aircraft.

- Offers flexible invoicing frequencies based on a number of days, weeks, months or years.
- There is an additional ad-hoc invoicing facility.
- A pre-paid account flag is available on all scheduled invoicing that use the pre-paid payment method.
- Unlimited payment locations.
- As RedAtlas AMS is browser based, taking payment can be performed on mobile devices.
- Credit notes can be raised effortlessly.
- There is the option to reprint or resend a range of invoices.
- Optional securely process payments online with Stripe, offering a seamless and reliable solution for handling transactions, including credit and debit card payments. This integration simplifies the payment process, providing a streamlined experience for both the airfield and its customers.
- Monthly batches of invoices and credit notes can be downloaded from a dedicated screen.

- Quotes can be created from PPR requests and future scheduled movements.
- Possesses the ability to export data into accounting systems, i.e. Xero and Sage.
- Club membership logged and managed with the customer, including membership start and end dates along with their membership number. Club rates are then managed via the club set-up and not on the individual member.

Customer Management- designed to manage customer information, streamline communication, and offer self-service options, enabling customers to handle their bookings, payments, and updates independently.

- The customer administration screen incorporates everything that you need about a customer in one place; DOB, contact details, aircrafts, payments, documentation and much more.
- A duplicate customer warning displays any potential duplicate customers based on their email and telephone details, preventing errors.

- Payment terms can be added and tailored to individual customer accounts.
- Club membership logged and managed with the customer, including membership start and end dates along with their membership number. Club rates are then managed via the club set-up and not on the individual member.
- Self-service Portals that provides customers a secure access to enable them to view their details, download copy invoices, review their aircraft's logbook, update their contact details. It also allows the customer to book their aircraft and pay invoices fully online.
- Reports to support the management of customer accounts are available on request.

License Options

RedAtlas AMS is available in three license tiers to cater to the varying operational needs and complexities of different airfields.

Lite – Ideal for smaller airfields, this tier offers essential features to streamline core management tasks. It includes modules for managing ATC movements, customers, aircraft, products, accounts, and payments, with an optional Stripe integration for seamless credit card processing. Custom reports provide detailed analysis and insights, while fuel management is simplified through a mobile-friendly interface, making it easy to monitor and control fuel usage. A significant benefit of the Lite Tier is the provision of online PPR and book-out forms, ensuring efficient operations and ease of use for both staff and customers.

Standard – builds on the Lite Tier. It includes a shop checkout screen with simplified stock tracking features. The optional fuel importer application for self-service fuel systems, further enhancing operational efficiency with more advanced management capabilities.

Premium – the most comprehensive option, offering advanced capabilities tailored for larger airfields. This tier includes the full RedAtlas ATC application, event management, as well as tools for managing resident and visitor parking, hangarage, and scheduled invoicing. A customer self-service portal and advanced administrative tools for system configuration are also provided. The Premium tier supports recurring charges, such as monthly hangarage fees, which are automatically applied to customer accounts, ensuring efficient and customized operation.

	Lite	Standard	Premium
Quick-Entry ATC Movements Screen	✓	✓	✓
Customer Records	✓	✓	✓
Aircraft Records	✓	✓	✓
Custom Reports	✓	✓	✓
Product Management	✓	✓	✓
Accounts	✓	✓	✓
Stripe Integration	✓	✓	✓
Take Payments	✓	✓	✓
Fuel Management	✓	✓	✓
Online PPR	✓	✓	✓
Fuel Importer (self-service)		✓	✓
Fuel Stock Control		✓	✓
Shop Checkout & Stock Management		✓	✓
Visitor Online Payment Portal			✓
ATC Application			✓
Parking & Hangarage			✓
Aircraft Handling			✓
Wildlife Checks			✓
Scheduled Invoicing			✓
Recurring Charges (e.g. monthly hangarage)			✓
Slots & Events			✓
Customer Self-Service Portals			✓
Admin Configuration User			✓

# Implementation

Flexibility is at the core of RedAtlas AMS's design and development, and this is reflected in the system's implementation options.

The system can be deployed in one of two ways.

- A fully hosted and managed service eliminating the cost of onsite server hardware and reducing the initial upfront costs. The system has been designed from the start to operate across the internet using standard internet connections.
- Installed onto equipment on the airport site, either to extend the life of equipment already in place or allay concerns about internet connectivity.

The only costs outside of the monthly rental charge are the implementation and training costs. These will be negotiated once there is a clearer understanding of the airfield's specific requirements.
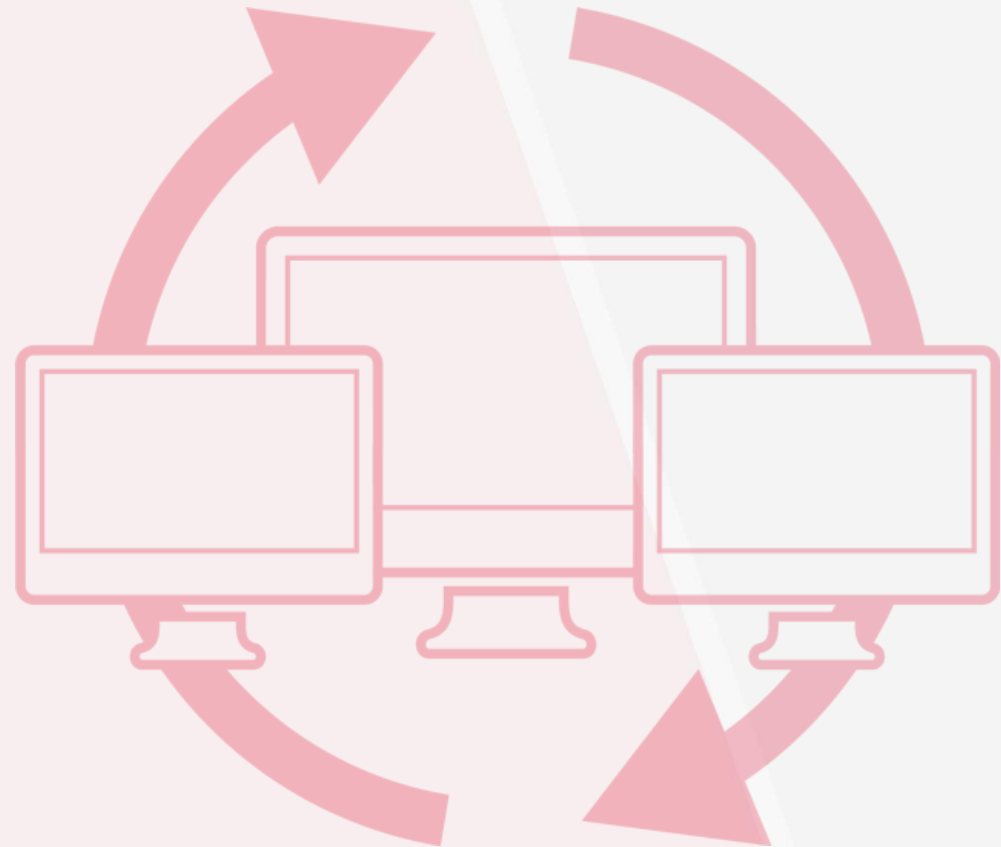
Testimonials

"London Ashford Airport transitioned from Airops to RedAtlas in October 2019. This was a significant change for us, as we had used the same systems for numerous years, but we couldn't have asked for a more reliable alternative. RedAtlas is such a user-friendly system, incorporating our bespoke changes – sometimes at short notice to meet our business needs. We have developed a great partnership with the team, their dedication, inter-activeness, and can-do attitude towards our business is second to none. The system has proved successful throughout our range of departments – and we would recommend RedAtlas AMS to any airport looking for a management system."

LYDD ✈
London Ashford Airport

Kate Adams
Customer Services / FAL Aviation

"Our recent move to the RedAtlas Airport Management System required several customised solutions to enable integration with our existing systems. The support team have been excellent from the very beginning, with regular contact and swift resolution of any issues and when testing various functions. As such, we are already seeing benefits of RedAtlas with time saving efficiencies in our administrative processes. The team is actively developing new features and are very pro-active and receptive to suggestions and feedback, which will further enhance the software package as it continues to evolve."

City Airport & Heliport

Nick Duriez
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