



## AVIATION RESOURCE MANAGEMENT SYSTEM

# SEAMLESSLY CONNECT AIRLINE RESOURCES

## Holistic management solution for aircraft, fuel and crew

The ever-increasing accessibility of data continues to reshape and expand airline operations. The ability to make data flow seamlessly, accurately and in real time among multiple systems can be a game changer. That's what the Collins Aerospace aviation resource management system is all about. Designed to enable non-stop global operations, it's the only solution in the industry capable of seamlessly connecting your most important resources.

The aviation resource management system is a turnkey cloud platform comprised of 13 modules that cover every aspect of operations, as well as the unified database that integrates them. No more trying to interconnect disparate applications not designed to work together. No more re-keying information to send from one system to another, wasting valuable time and making your organization vulnerable to errors. Data from these modules is delivered automatically to enable better long-term planning and near-term decision making.

### KEY BENEFITS

- Only solution in the industry capable of integrating and optimizing all functions of airline operations
- Modular, scalable and fully hosted
- Analytical optimizers for aircraft and crew usage
- Provides solutions across airline operations
- Keeps the back office simply connected while reducing costs and enhancing business intelligence

## MODULES

- **Network and schedule planning** – make optimal use of your aircraft resources and maximize the network effectiveness
- **Flight operations** – manage on-time performance and disruptions efficiently with complete fleet situational awareness
- **Crew management** – balance between costs and quality of life, while ensuring strict statutory compliance
- **Flight planning and dispatch** – flight operations based on safety and efficiency, with a focus on fuel conservation
- **Engineering and maintenance** – maximize airworthiness and ensure quality, compliance and dispatch reliability
- **Logistics and inventory management** – supply chain efficiency to ensure availability of spares and materials
- **Heavy maintenance repair and overhaul (MRO)** – plan and execute heavy checks consistently, efficiently and safely, returning the aircraft back to service on schedule
- **Flight data monitoring and analysis** – use high fidelity data to measure and monitor the safety, compliance and efficiency of your operations
- **Fuel consumption analysis** – maximize your profits by monitoring your fuel conservation policy
- **Safety and quality management** – meet emerging ICAO safety management system (SMS) requirements
- **Integrated training management** – monitor skill and knowledge levels of your workforce
- **Integrated document management** – access to technical publications, records, documents, policy manuals, standard operating procedures (SOPs) and other content
- **Mobility solutions** – empower staff with connectivity on all mobile devices, including tablets and phones

## ANALYTICAL OPTIMIZERS

By using our aviation resource management system you have access to research-based optimizers that employ advanced analytics to improve operational effectiveness, decision making and overall management. This tool makes your entire system even smarter with rapid evaluation of cost scenarios and optimal resource assignments.

- Flight scheduling
- Tail assignment
- Crew trips
- Schedule planning
- Disruption management
- Crew rostering
- 4D Flight trajectory (latitude, longitude, altitude, speed)

## COLLINS ARINC PAXLINK<sup>SM</sup> PASSENGER SERVICE SYSTEM

This solution also works seamlessly with our PaxLink passenger service system. Our ARINC PaxLink connects and streamlines passenger related activities such as schedules and fares, reservations, ticketing, inventory and booking, distribution, departure control, revenue and weight and balance into a single system and interface. The aviation resource management system connects all airline operations and together they keep airlines simply connected.



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