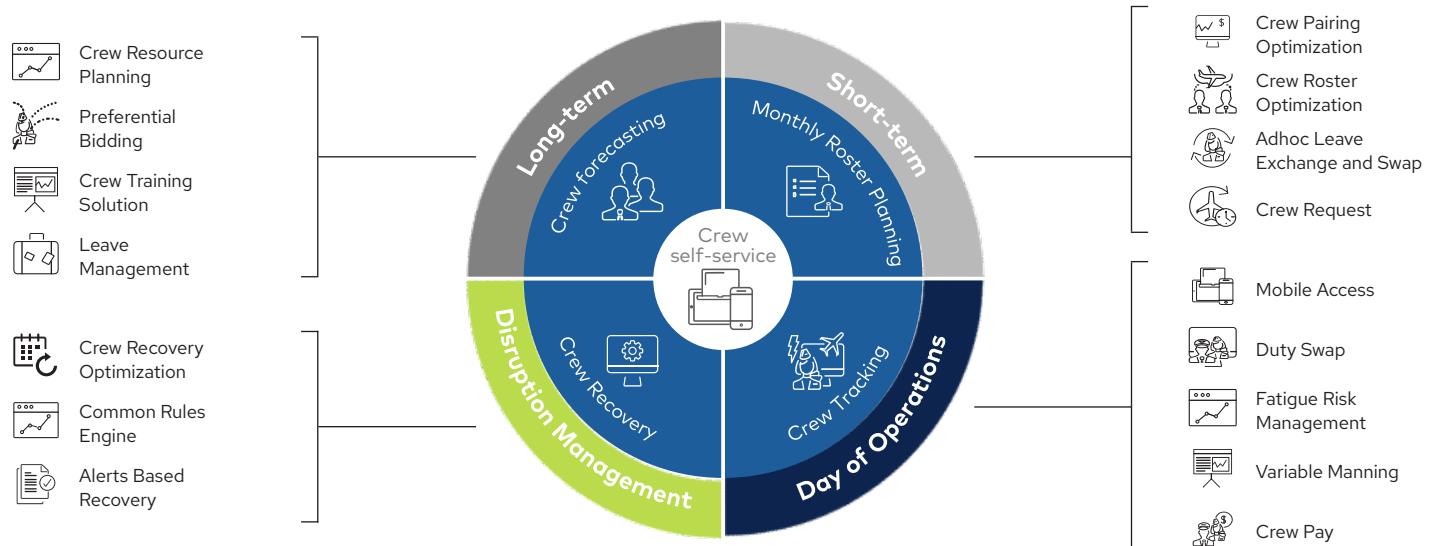# Crew Management

A complete end-to-end ecosystem, proven to reduce costs with intelligent optimization and bring efficiency to your operations.

A complete crew management ecosystem that helps airlines control costs, maintain safety standards, and increase crew member satisfaction to drive passenger experience.

Full spectrum view of Crew Management Solutions platform

Crew Resource Planning

Preferential Bidding

Crew Training Solution

Leave Management

Crew Recovery Optimization

Common Rules Engine

Alerts Based Recovery

Long-term — Crew forecasting

Short-term — Monthly Roster Planning

Disruption Management — Crew Recovery

Day of Operations — Crew Tracking

Crew self-service

Crew Pairing Optimization

Crew Roster Optimization

Adhoc Leave Exchange and Swap

Crew Request

Mobile Access

Duty Swap

Fatigue Risk Management

Variable Manning

Crew Pay

CAE

Crew Management

Robust crew management solutions for the complex world of aviation crew scheduling

Airlines and business aircraft operators face pressures like few other industries – heavily regulated, highly competitive, ultra-visible, and with incredibly tight margins. Pilots and crew worldwide must be optimized to balance performance, cost, compliance, and crew satisfaction.

Experience robust end-to-end crew management like never before. Now operator's simulation equipment, training and scheduling, and crew management solution (CMS) can be connected to create the most comprehensive offering in the marketplace and help optimize "total crew costs". Our crew management ecosystem is cloudenabled, powers multi-operator support, and is scalable.

Following our acquisition of Sabre AirCentre, Merlot Aero Limited, and RB Group - operators now have access to a holistic crew management ecosystem that supports:

- Decrease manual processes for scheduling staff with optimization for pairing and roster creation
- Increase crew member productivity by an average of 15 percent
- Reduce operating costs and eliminate unnecessary assignments
- Evaluate scenarios to predict future resource

Long-and short-term crew optimization

Crew Optimization

Crew Optimization modules of our platform leverage advanced Artificial Intelligence / Machine Learning (AI/ML) components and operations research models to streamline crew planning. The solutions are supported by scenario management capabilities that allow crew schedulers to develop alternative solutions using different sets of configurable parameters.

Workforce Planning

The Crew Resource Management solution-as-a-service is powered by Travel AI which uses the cutting-edge technologies such as AI, Machine Learning, Deep Learning, Neural Network Activity, and Active Learning. The technology drives the crew resource planning process and provides advanced demand forecast, supply and demand analysis, and related projections.

Training and Scheduling

Our Crew Management System provides long-term training management and scheduling capabilities. Providing operators optimization of training assignments while considering the number of trainees, trainers, and logistics available.

Day of operations

CAE Crew Management is designed on three principles - simplicity, configurability, and easiness of use. Customers can make changes to workflows without the need for solution development or customization, including search, filter templates, reports, rules, and user interface preferences.

By allowing users to adjust the ecosystem to suit their particular needs, Crew Management ensures that crew planning and change management runs smoothly in the face of change and also creates an ownable solution that customers can readily embrace.

Crew Engagement

The changes being made real-time at the Operations Control Center (OCC) need a platform that can communicate to the most mobile workforce to help with their work-life balance. The undisputed strength of our solution is our Crew Engagement capabilities. Our crew engagement solution harnesses the power of modern mobile technology to allow operators to connect and engage like never before with their field-based crew.

Disruption management

CAE Crew Management solutions offer roster recovery optimization capability. It provides value not only through reduced cost and brings crew members back to their original roster, limiting disruptions and resulting in lower operational disruption and reducing long-term crew member lifestyle disruption.

Have access to a single source of truth that enables users to solve for disruption recovery while keeping the business running and communicating with the crew using our mobile platform.

The right solution – at the right time

Our platform provides all our customers with the right solution, tailored to their needs, and owned by them through configuration and supported through our best-inclass delivery and business consulting services.

The solution is available now, at the right time to help operators recover from the most disruptive period of recent times through process automation and parameter driven optimization while keeping the work-life-balance preferences of crew members under consideration.

For more information
cae.com/flight-operations-solutions

CAE