

# Achieving Cross-Functional Integration Among **CREW MANAGEMENT SOLUTIONS**



## The Jeppesen Crew Management System

Each solution shares the same architecture, modeling language and business logic, resulting in seamless communication and coordination across solutions and phases of flight.

# PLAN

Whether long-term planning or production planning, these solutions help lay the foundation for a smoother day of operations through the creation of optimized plans that are more accurate, robust, cost-effective and efficient.



### JEPPESEN MANPOWER PLANNING

- Achieve more accurate resource planning with access to the latest actual and forecasted data.
- Manage and balance every aspect of long-term planning needs: career movement, training and leave.
- Ensure availability of crew at the right time and lowest cost.



### JEPPESEN CREW PAIRING

- Create more efficient, robust and cost-effective pairing plans, based on your airline's specific objectives.
- Model and understand the impacts of crew changes and forecast crew needs with greater accuracy.
- Leverage capabilities beyond production planning to support long-term planning objectives and strategic analysis.



### JEPPESEN CREW ROSTERING

- Construct and finalize rosters closer to day of operations for greater stability, while ensuring all regulations and agreements are met.
- With four bidding models, including Strict Seniority PBS and Weighted Fair Share PBS, there's an option to fit your operation.
- Improve crew satisfaction by considering crew preferences and enabling crew to influence roster construction.

Capture and integrate long-term crew plans with add-on modules:

- Crew Career
- Crew Leave



Airlines using the solution **save 3-15%** on crew costs and productivity.

Empower crew to influence rosters and stay connected with add-on modules:

- Crew Bid
- Crew Request

# EXECUTE

When disruptions occur, efficient recovery is critical. Elevate your situational awareness with tools for detecting, selecting and resolving changes to the originally published crew plans.



### JEPPESEN CREW TRACKING

- Stay on top of pressing issues with automatic identification and notification via the Alert Monitor.
- Advanced sorting allows better visualization of problems and reduces lead times to build optimal solutions that minimize operational impacts.
- Prioritize issues, develop multiple recovery scenarios and understand the implications to your operation—before committing to and publishing a recovery plan.

Enable more efficient communication and collaboration with crew with add-on modules:

- Crew Access
- Crew Exchange



# ANALYZE

Create and implement a feedback loop of critical data into each phase of flight. Perform post-flight analysis and compare trends in planned and flown production to drive continuous improvement.



### JEPPESEN FATIGUE RISK MANAGEMENT

- Consider fatigue rules and integrate biomathematical models to predict and proactively mitigate fatigue risks.
- Boost alertness in constructed pairings and rosters while identifying weak formulations in your current rule set.
- Drill into the details of any operated flight pattern to complement fatigue reports.



### JEPPESEN CALIBRATION

- Historical data and machine learning enable you to put the right buffers in the right places—and reduce and redistribute where advisable.
- Absorb disruptions to avoid snow-balling while improving OTP and reducing crew-related delays.
- Strike the best balance between crew productivity, operational robustness and cost.



## THE BENEFIT TO YOUR AIRLINE

With a system that reflects the workings of your airline, you can break down silos to achieve efficient workflows, cross-functional collaboration and cost-effective operations.

Learn more about the **Jeppesen Crew Management System:**

[View eBook](#)