Maximized productivity, safety and stability.
With Jeppesen Crew Pairing, airlines can create optimized anonymous crew itineraries with a minimized cost while maximizing productivity, safety and stability. Unparalleled flexibility makes it easy to adapt to growth and changing business needs.

Power up your planning process.
Jeppesen Crew Pairing is ideal for airlines with more than 1,000 crew members, but smaller operations can benefit as well. Jeppesen Crew Pairing is used for staffing over 6,000,000 flights globally per year, and we have clients who currently solve up to 75,000 flights in a single optimization process.

See how Jeppesen Crew Pairing can benefit your operation.
- Market-leading pairing optimization engine handles multiple crew bases, variable crewing, several agreements, large numbers of flights and many aircraft types, helping you run a complex operations with ease.
- Customizable framework lets the planner easily control rules, reports, data interfaces and optimization cost drivers, putting you in control of costs.
- Decision support tools, such as what-if simulations for time-table analysis (retiming), crew base analysis and union negotiations, helps you create the most cost efficient schedule possible.
- Long-term budget planning enables hotel forecasting and gives valuable feedback to your manpower planning process, minimizing unnecessary costs.
- Fatigue-model integration support during pairing optimization, to maximize flight safety already in the planning phase.
- Best-in-class after-market offering, giving you the service and support you may need to maximize your system benefits.
Optimization
Our best-of-breed optimization engine enables efficient production-planning as well as powerful decision support capabilities, as the optimizer makes it possible to rapidly test different scenarios and control important solution properties. The system’s modeling capabilities let you easily control the trade-off effects between cost, stability and quality.

The regular system releases bring new features and improved optimization performance every year, making sure you will always benefit from the latest technology advances.

Fatigue Risk Management
Jeppesen Crew Pairing considers crew fatigue and fatigue risk when optimizing crew schedules by interfacing with scientific fatigue/alertness models.

For each flight, the functionality can predict crew alertness and associated risk. The alertness and risk information is available both for the planner and to the optimizer, enabling the airline to increase alertness levels.

Retiming
Small changes in the flight schedule can result in significant crew-cost savings. By using the retiming feature, crew planners can identify changes in the flight schedule that improve the crew pairing solution and suggest changes to the network department. The result? More profitable operations.

Crew Augmentation
If you need to add a relief crew to extend the flight duty period, Jeppesen Crew Pairing will recognize this and the optimizer will dynamically add a relief crew when creating the crew pairing. The planner can take rules and penalties into account, control what flight augmentation is allowed, as well as how much augmentation can be used.

Variable Crewing and Crew Imitation
Cabin crew problems with fleet mixing typically contain flights with varying crew need where crew is qualified to operate across the different fleets. By allowing these flights to be combined in pairings, more effective crew solutions can be created. In Jeppesen Crew Pairing, variable crew problems can be solved in a single optimization run, generating pairings with different levels of assigned crew as output.

From a stability point of view, when cabin crew pairings are created with Jeppesen, the flight deck pairings can be imitated very strongly and hence the solutions will be more stable and robust.

Support and Services
With Jeppesen, you get best in-class service and support. We provide a full range of support, including regular new system releases, dedicated service managers and on-site checkups, where the system and processes are analyzed to ensure the optimization capabilities stay up-to-date.

Jeppesen Crew Pairing offer a user-friendly interface, a powerful analysis tool and a versatile report generator.

Depending on your chosen level of system ownership, we can offer hosting solutions as well as a remote planning setup. Following deployment, Jeppesen maintain contact and regularly visit your operation to make certain your solution meets your needs today and tomorrow.

Learn more about how we can support your operation.
For more information about Jeppesen Crew Management solutions, visit jeppesen.com/crew.