APM

Crew Management + Rostering

Intelligent solutions to support the end-to-end crew management process from building pairings and rostering crew to crew tracking and post-flight activities

Tackle complex crewing challenges and maximise utilisation

The complexity airlines face managing the crewing process in line with their network and day-of-ops, can be assisted by the support of advanced software solutions. APM's crewing modules combine expert knowledge with technology to do this. Integration capabilities and advanced algorithms provide users with analytics and tools they need to maximise performance and increase profit.

Making the complex simple

Build efficient pairings and rosters

As one of the biggest cost drivers of an airline, creating cost-efficient pairings and rosters can take time. CrewLogic has been developed around these core processes with smart features to help you build these quickly, easily and legally.

Pairings

• Build pairings directly from your flight schedule

• Decision aid tools enable the establishment of cost-effective pairings

• Supports contingency and allows for disruption

Rosters

• Manage crew checks

• Manage crew swaps and requests from CrewWeb+

• Manage leave, absence, training, simulators, classrooms, HOTAC, Deadheadings and standby's

• Comprehensive built in crew rules, which are configurable per airline

• Crew counters and alerts will indicate any issues and constraints

Medium term crew planning display

CrewLogic's graphical display of your airline's schedule, pairings and rosters - updated automatically from APM's SchedulePlanner and SmartOps - allows you to control your pairings and crew rosters easily with the ability to zoom, scroll, drag and drop.

• Planning period - crew roster display

• Indicators alerting you of any changes made in SchedulePlanner and SmartOps which may affect your crew

• Quick search, filters and alerts of information important to you

• FRMS support

Crew self-management

CrewWeb+, accessible by crew from anywhere in the world, integrates with CrewLogic for efficient communication between you and your crew. By allowing crew to self-manage certain tasks, managers gain time to focus on other subjects.

Crew access

- View their rosters, roster changes and respond to messages from the crewing manager
- Make requests for holiday, ground events, to fly certain flights and swap flights with other crew
- Manage personal details and set their preferences.
- Access crew documents such as briefing reports, GenDec's and customs declarations. The Flight log can be updated post flight, including qualifications

Day-to-day crew control

CrewLogic is fully integrated with APM's day-of-ops tool offering a clear view of your entire operations, assisting with disruption management and recovery.

- Users of SmartOps and CrewLogic will be warned if crew duty and rest limitations are in breach
- Automatic displays of crew limitations due to flight changes in SmartOps
- Operational period – crew tracking display
- Enables rapid rescheduling of aircraft and crews
- APIS, FCM and FCA messages

Analytics

Preparing and analysing your crew management can have a huge impact on future rostering, allowing your airline to determine problem areas and strengths to maximise cost saving and efficiency. Choose from the built-in reports or access to a synchronised database to monitor your airline's performance.

- Crew documents, including GenDec's, customs declaration and Crew Briefing
- Crew Records, Crew Hours and Counters, update log for crew pay calculations and crew hours
- Comprehensive range of other reports and data with user-defined outputs and formats, including Excel and PDF

We strive for bespoke and flexible solutions, drawing knowledge from a pool of internal experts and customers to develop our software collaboratively

Addon's to CrewLogic

Maximise efficiency with pairing and roster optimisers

Ensuring you have built efficient pairings and resilient rosters manually can be time consuming. By utilising the power of an optimiser, your airline can maximise efficiency, both on the ground and with your crew. The use of algorithms and parameters allows for flexible pairing and roster creation for the most complex scenarios.

OPTIMISATION CONSULTANCY IS AVAILABLE TO SUPPORT THIS FEATURE.

Long term planning with CrewSim

CrewSim works in parallel with CrewLogic, providing you with a playground to compare and test scenarios to find the ultimate crew establishments, pairings and rosters. The module allows flexibility and has been developed by experts to suit your airlines needs and crew rules.

- Build compliant and legal rosters in line with your airline and aviation authority's rules

- Utilise the in-built optimiser to automatically build crew pairings to cover your flights and rosters including HOTAC

- Evaluate scenarios of fair or unfair crew duty allocations including duty, block time, routes and training

Improve your crewing with the power of

- Manual or automated pairing generation
- Data
- Advanced software
- Artificial intelligence
- Advanced optimisation
- Flight scheduling and operations integration
- Great graphics
- Integrated messaging
- Intuitive predictive displays

Boost operational efficiency with our end-end crew management tool

Optimise workflows whilst maintaining compliance and crew satisfaction

Providing support for the entire planning and operations process

At APM we believe that technology should help make things easier. We aim to provide airlines with solutions to make the complex simple and reduce time spent on tackling problems.

Our fully integrated solutions are designed to improve efficiency and optimise workflows whilst maintaining compliance and safe flying.

APM products

- **SchedulePlanner**
  Aircraft scheduling and slots

- **ScheduleSim**
  Aircraft scheduling and slot scenarios

- **CrewLogic**
  Crew rostering and management

- **CrewOptimiser**
  Crew optimisation and consultancy

- **CrewSim**
  Crewing rostering scenarios

- **CrewWebPlus**
  Online crew portal

- **SmartOps**
  Airline operations control

- **WebOps**
  Platform to view live schedules and flight watch

- **QuoteManager**
  Flight profit forecaster

- **ProfitSim**
  Schedule profit forecaster

- **Finance Whiz**
  Post flight invoice checking

- **InFlightServices**
  In flight item management

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