



PDC Aviation Suite

Commercial Scheduling
Operations Control
Crew Management
For Airlines

PDC-Aviation

PDC Aviation Suite

for airlines



PDC Aviation Suite offers an integrated and cost-effective software solution for Schedules Planning, Operations Control and Crew Management. We deliver specially designed solutions requested by airline operators and the suite is offered in both on-site and hosted versions to ensure fast implementation and high customer satisfaction.

As a component of flight operations management, the applications provide extensive functions to take care of every aspect of both flight scheduling and flight following. Thus, PDC Aviation Suite offer substantial cost savings via improved aircraft utilization, increased productivity and better on-time performance.

The applications streamline all aspects of operations control and schedules planning into a cost-effective and easy-to-use procedure, available company-wide from a single source of information.

Crew Management

PDC Aviation Suite streamlines the entire process of managing the cockpit and cabin crew assignment.

The applications cover pairing creation, roster construction and control, crew tracking and crew records.

The crew schedulers are relieved of tedious work while ensured that the right crew with the right qualifications is in the right place at the right time.

PDC Aviation Suite assures that a schedule satisfies various kinds of constraints and that it complies with laws and regulations.

Short Term Operational Control

All airlines experience ad hoc changes which often occur a few weeks, days or sometimes hours before departure. PDC Aviation Suite is particularly efficient at manipulating last minute changes, using a graphical display. Each schedule change is analyzed to ensure schedule consistency, and details of the changes are automatically distributed to all internal and external agencies.

PDC Aviation Suite improves on-time performance by providing operations controllers with timely alerts of any possible schedule disruption and by providing the tools needed to avoid or minimize delays. The display is automatically updated on receipt of movement information and a color code indicates the progress of each flight.

Short Term Maintenance Planning

Changes in the flight pattern requires changes in the maintenance. However, poor or delayed communication leads to expensive, and avoidable flight delays. PDC Aviation Suite eases the flow of information between maintenance and other departments, and adjust the ground time available to comply with the maintenance check schedule.

If the current schedule does not comply with the maintenance check schedule, this is automatically displayed graphically and warnings are generated if problems are not handled in a timely fashion.

Accurate Information

PDC Aviation Suite receives a constant supply of surface weather information which is analyzed against aircraft landing limits and planned flight schedules in order to provide graphical alerts of deteriorating weather.

A simulation mode allows controllers to assess the effects of changes and calculate the cost prior to implementing them necessary instructions, so that the most cost-effective and efficient solution is selected in the event of unavoidable delays.

Slot management is also fully integrated. Requests and responses to and from airport coordinators are formatted and distributed and all slot information is maintained automatically.

PDC Aviation Suite records passenger loads, departure and arrival times and details of any delays, creating extensive management reports which assist in performance analysis and future planning.

I am very satisfied with the functionality and the features that are included. I also appreciate PDC's support and skilled staff as well as the responsiveness they have to suggestions from customers. When I have a problem or a query, then I easily and quickly get in contact with PDC's supporters or developers. They take all feedback seriously and act on the inquiries. I see that in the program development - and there is much development all the time.

Kenneth Norling, Operations Controller at NextJet

Modular Design

PDC Aviation Suite is modular by design, providing potential users with the ability to select those modules relevant to their particular operation. The modules together cover the fundamental areas of the network and schedules planning phase through to the operations control process beginning with schedule creation and validation up to six years in advance through to real-time flight progress monitoring on the day of operation.

The main applications include:

- PDC FlightTime (schedule creation)
- PDC FlightOps (operations control)
- PDC FlightCrew (crew management).

All applications are fully integrated as they share the same database, however they can be used as standalone products or interfaced with existing in house and other vendor applications.



Benefits

- Better on-time performance and increased productivity
- Substantial cost savings via improved aircraft utilization
- Streamlined operations control and schedules planning from a single source of information

Who we are

Since PDC's founding in 1984 we have worked closely with airlines, airports, ground handlers and slot coordinators on utilizing their scarce resources as effectively and economically as possible.

We have developed a unique technology that allows us to deploy rules and AI methods for resource optimizing and efficient decision support. This gives companies a competitive advantage when applying our planning and scheduling solutions. PDC has a highly trained team of developers and consultants with substantial experience within resource optimization, planning and scheduling.

Last but not least, we have a dedicated and capable team of supporters with a broad domain experience from working many years in the aviation business.

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