PDC AODB
Airport Operational Database
AODB for Small and Medium Sized Airports

With demand for air travel set to increase by 50% by 2035, it is becoming more relevant for airports to look into how they can improve their processes to manage growth.

Reliable, accurate, timely and comprehensive data - whether it concerns flights, passengers and baggage, systems and equipment - is crucial to your airport’s operations.

The way you manage this information is key to your airport’s operational success.

As the central repository for all information, PDC AODB is the heart of your airport that provides all stakeholders with accurate and timely flight data, enabling better decision making and optimising airport performance.

Those of PDC’s clients that operate in countries that are slot coordinated using PDC SCORE are in a unique position. They have access to live flight data from the point of origin on a seasonal basis. This gives long-term visibility of passenger and traffic forecasts enabling you to plan and allocate resources accordingly and minimize resource wastage.

In the six years we have been running AODB and FIDS, we have never experienced downtime due to system problems. We highly recommend the system to other airports of our size.

Stig Lindahl, Finance/Quality manager in Torp Airport, Norway

A Platform for Future Airport Growth
PDC AODB covers all aspects of the airport operation, it can run in multi airport mode, serving independent airports or airport groups.

PDC AODB is in real time contact with all other critical airport systems, such as slot coordination, ATC, BHS, Billing, Docking, FIDS and AFAS systems assuring an instant exchange of information between the different systems.

PDC AODB enables all information, whether manually collected or automatically retrieved, to be exchanged between all stakeholders.

The multi airport option gives the possibility for a centralized infrastructure with a common maintenance and support team.

Key Benefits

01 Robust and proven multi-airport system

02 Fully online configurable through tables, no hardcoded parameters

03 Easy setup, small airports can be up and running in a couple of weeks

04 The data model used is aligned with the recommendations from IATA
Features

- Online (re)configuration of Database – as your airport grows the system parameters can be amended and updated accordingly.
- A true real time event driven solution with response times in the range of 1-2 seconds. Integration with important airport systems such as ATC, slot and allocation systems.
- A system that uses industry standard databases (Oracle) and a choice of exchange data formats between industry standard XML or the more compact JSON format.
- A centralized monitoring system
- A system that can interface to type-b messages providers such as SITA or ARINC or type b-messages on POP3 e-mails.
- A pricing model that reflects the size of your airport where you have access to the full package regardless of airport size.
- A system capable of informing your different staff groups, where you are in control of the filters used for each group.
- A state-of-the-art user administration where you define user profiles and apply them to user groups.
- A robust system that only needs to be taken down if the servers need to be upgraded for a hardware or software change.
- Smooth integration with economy systems

PDC AODB Extras

Test and Commissioning
During installation we can deliver onsite skills for tuning and configuration of our system. Controlled tests of all interface, layouts and devices are carried out based on an agreed test protocol.

Consulting services
We deliver consulting services in the form of general consultancy or specific IT infrastructure projects.

Maintenance and support
– onsite and offsite 24/7 We can offer a support and maintenance contract that is scaled to the customer needs.

Product updates
Customers may be part of a scheduled product upgrade program. The updates contain new features and system enhancements.

System facts
Event driven solution with a small server footprint. Based on the industry standard and reliable Oracle database and programmed in JAVA and C, depending on the task to be solved.

Exchange of data with other systems are done over publish subscribe webservices. The product can be customized and adapted to fulfil specific airport requirements.

Fig.: StandPlan resource allocation for small airports
PDC AODB
Part of PDC AirportSuite

PDC SCORE
Slot coordination and reporting for both long- and short-term airport capacity management

PDC StandPlan
Stand and gate allocation for optimised long term and day-of-operation planning

PDC ResourcePlan
Workforce and mobile resource planning, execution and follow-up for airports

PDC PAS
Passenger Announcement System for automatic generation of voice and text/SMS messages based on real time events either from FIDS or AODB

PDC FIDS
Flight Information Display System designed for multiuser environments of all operating aspects

PDC AODB
Airport Operational Database to cover all aspects of airport operations – serving multi-airport or independent operations.

PDC Billing
Invoice generation for airport services billing to airlines. Seamless integration with AODB – serving multi-airport or independent operations.

PDC OFFICES

PDC HEADQUARTERS
PDC A/S
H.J. Holst Vej 3-3C
DK- 2605 Broendby - Copenhagen
Denmark
Tel: (+45) 3636 0000
E-mail: pdc@pdc.com

PDC UK
PDC Aviation Ltd.
ViewPoint
Basing View
Basingstoke
Hampshire RG21 4RG
United Kingdom
Tel: (+44) 7921 576166
Email: london@pdc.com

PDC UK
PDC Solutions Canada Ltd.
1100-1200 West 73rd Avenue
Vancouver BC, V6P 6G5
Canada
Tel: (+1) 604-675-8411
Email: vancouver@pdc.com

PDC AODB
Part of PDC AirportSuite

CANADA

PDC Solutions Canada Ltd.
1100-1200 West 73rd Avenue
Vancouver BC, V6P 6G5
Canada
Tel: (+1) 604-675-8411
Email: vancouver@pdc.com

SINGAPORE

PDC Asia Pacific Pte Ltd
Level 04-05
51 Changi Business Park Central 2
Singapore 486066
Tel: (+65) 6701 8567
Email: singapore@pdc.com

COLOMBIA

PDC Solutions Columbia SAS
Calle 100 NO 8A – 55 Torre C, D1 207
World Trade Center
Bogotá, Colombia, 110221
Tel: +57 1 743 8319
Email: bogota@pdc.com