

## **viasAODB** – a platform for future airport growth

**viasAODB** covers all aspects of the airport operation, it can run in multi airport mode, serving independent airports or a airport groups.

**viasAODB** is in real time contact with

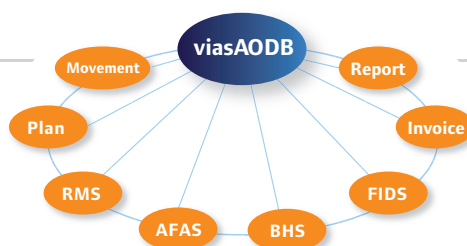
all other critical airport systems, such as slot coordination, AIMS, BHS, Docking, FIDS and AFAS systems assuring an instant exchange of information between the different systems.

**viasAODB** 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.

## **viasAODB offers**

- **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 AIMS, 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 rigid 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

## **viasAODB characteristics**

**Provides basic AODB functionality such as:** Real-time management, System Administration, Information Management and Integration with external systems based on standards and open architecture.

Operation Flow	Description	Implementation
Season Planning	A plan for all flight arrivals and departures during the whole season.	The solution supports reading of SSIM files from any source. The solution supports flights with multiple legs.
Planning of ad hoc flights	GA flights and changes to the schedule.	The frontend used by the control center can at any time create new flights for today, tomorrow and beyond.
Realtime input	Movement messages with real time status of the flight.	The solution is able to receive "type-b" messages from either SITA or ARINC on a message queue or from any other source such as e-mail on a POP3 e-mail account.
Billing	The Airport must issue invoices for the services issued at the airport to the airlines.	Invoice lines are generated by the system based upon airline individual cost tables. The invoice lines are sent to the Finance system for the airport.
Reports	Reports for statistical and economic performance of the airport.	The solution contains a set of standard reports and furthermore a third-party report tool is available for custom generated reports.

“After almost 20 years of cooperation, I would like to say that LPT IT is a supplier who fully understands the needs of the customer and has expertise that contributes to extremely good deliveries in all areas.” Flemming Hølvold, Avinor

## viasAODB 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 – on-site 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.

**vias**  
traffic info – right on time

**vias surveillance**  
**vias lounge** **vias pas**

**vias AODB**  
**vias fids** **vias gate**

LPT-IT has more than 25 years of experience of providing IT solutions for airports

The solutions have been mainly focused on Airport Operational Database (AODB), Flight Information Display system (FIDS) and Automatic Flight Announcement System (AFAS) products.

All solutions are based on an **event driven approach** giving a fast and scalable solution, that can be adapted to any size and type of airport. A high level of configurability is another key factor. Online reconfiguration is a third buzzword.

Our advanced **Airport Operational DataBase - viasAODB** is the essence of our experience from working with multiairport environments over many years utilizing the latest technology trends for building IT-solutions.

### VIAS product range

#### VIAS – FIDS

Flight Information System

#### VIAS – PAS System

Public Announcement System

#### VIAS – Surveillance

System for display surveillance and error reporting

#### VIAS – AODB

Airport operational database