FLIGHT INFORMATION SYSTEM (FIS)

We have more than 10 years experience in computer-based IT systems for airports. Flight Information System (FIS) is a solution designed to meet the increasing demands of a modern airport! Continuous integration of improvements is our future outlook.

Our aim: remain up-to-date and future oriented!

CHARACTERISTICS

Open as well as flexible system

Common, easy to learn, and flexible software components

Resilient solutions - modular and scalable structure

Extensibility - support for very large databases

Optimized and Secure performance

Multi-level user security (Users management / Management of access rights)

Reliability - architectural redundancy

Featuring full redundancy, the system configuration guarantees operation 24 hours a day, 7 days a week

FIS STRUCTURE

For global design of flight plan the Schedule Flight Plan (SFP) is used. The input data is transferred to the Daily Flight Plan (DFP), while the Daily Operational Plan (DOP) is being created simultaneously which is supervised and edited on a daily basis. The necessary information are supplied to all operational services, passengers and other interested parties through internal and public information monitors, internet/intranet, wap, telephone answering system, TXT,... etc.

BENEFITS

A consistent and accurate operational system

Effective control of the operational process

Better planning, productivity and performance measurement

Improved (passenger/cargo/aircraft) handling

Flexible reporting

More accurate information, better quality information

KEY FEATURES

Web based clients/ 3-tier architecture

Manage airport operations in real time, efficiently and securely

Parameter-driven-the data access rights and processes are parameter-driven

The system can be customized to meet operator's specific organizational and functional requirements

An advance and flexible design

Safe and reliable

Highly configurable graphical user interface, variety of management reports

Powerful administration tools

Interfaces to external and internal data providers

Communication with other airport IT systems

Supports open standard interfaces such as XML

User friendly interfaces allows smooth navigation between all functions

Multi-lingual support

FUNCTIONALITIES

Provides airport staff with all accurate operational information; fully integrated views of key processes and functions

The Oracle based Airport Operational Database (AODB) is foundation for all FIS modules. AODB stores all operational data including airport/airline codes, aircraft types, aircraft registration, resources and logistics; delay codes, sunrise-sunset time, users data,... etc.)

Seasonal flight schedule ('one-time' schedule input!) and daily flight schedule management;

Daily Operational Plan management(dynamic management of flights, logistics and resources – consistency checking and validation of all data input and corresponding resources; instant overview of the airport's activity)

Flight data search, filtering, ad-hoc flight entry, support for code-sharing, flight delays management, color coded status representation,...etc

Compliance with IATA, ICAO standards and also with other regulatory requirements

On line data validation

Data auditing - detailed audit trail

Graphical data representation

Comprehensive analytical and reporting tools (detailed passengers and load reports, variety of daily/monthly/annual reports, traffic analysis, delayed flights, busy hours, customized statistics,..).

System administration (Access Management / Image Management / Monitoring& Error Management / Users Management)

TECHNICAL BRIEF

The system uses a fully integrated, distributed, open systems architecture

FIS runs on most leading platforms as reliable operating system

The system is configurable regarding computer hardware and software components

Development languages: Oracle Designer, Oracle Developer, Oracle RDBMS, Oracle OAS

Supported system software: all Oracle supported OS

Supported database software: Oracle

Abakus ®plus

Dobitnik srebrnega priznanja za inovacije pri GZS-Območni zbornici za Gorenjsko 2005