

FRAPORT AG



*from 0 to 100 % in
five days*

In April 2002 after a concept - and realization time of a few days the first version of the flight plan management system by PSI logistics was put in operation. It matched with the particularly needs of the FRAPORT AG. After further three weeks the system was completely in use.

For the daily operation of its operational units the FRAPORT AG uses a large number of complex systems, which communicate partially with each other. In March 2002 the demand to establish a flight plan management system appeared at short notice, with which the so-called DAILY could be easily created. That DAILY forms the basis for human resource planning of the operational personnel around the passenger dispatching. Basis for the creation of the Dailys are various master data tables, which are

*"DAILY" for
Resource plan-
ning*

maintained with the help of the flight plan management system.

Beside that DAILY the processing of season flight plans got a crucial factor. Efficient processing options for recurring flight events support the operator with the construction of the season flight plans. About 70 airlines at the airport Frankfurt are supported today with the handling of their processes with assistance of this flight plan management system.

Task and realization

The major task what should have been mastered was especially the very short specification and realization time. The advantages of the standard software developed by the PSI Logistics paid off in an impressive way during the implemen-

tation. The standard software forms a stable software foundation for the modular body of individual applications. It put the software developers into the position to concentrate exclusively to the business processes of the FRAPORT AG. The requirements of the necessary techniques slipped strongly into the background. Only in such a way the taut time schedule could be kept by the PSI Logistics. Apart from the administration of the actual flight plan data also the administration of master data played an important role. Among others, the following master data are administered by the flight plan management system:

- Airport: For all airlines which can be dispatched both the source airports, and the target airports are administered.
- Types of aircraft: For the processing of the flight plan the system holds relevant information ready concerning the types of aircraft which can be dispatched.
- Airlines: The airlines are likewise deposited with the appropriate information in the flight plan management system.
- Flightcharacteristic indicators and traffic types: The management of flightcharacteristic indicators and special traffic types supplies important information concerning the each flight event.

The clearly arranged representation of the flight plans in a tabular additional in a graphical timetable shape (gant diagram) supports the operators with their daily work. Special dialogues and functions also make the processing of special cases

possible like they are of importance for the operational personell, for example the concatenation of inbound and outbound flights (building a flight chain) as well as splitting up those concatenated flights.

Configuration

The operation of the flight plan management takes place in Java programmed clients on personal computers under the operation system Windows NT 4.0 (resp. Windows 2000 or Windows XP).

The clients communicate with a UNIX server under the operating system UnixWare ® 7.1.1.

The data are held in a Oracle data base. Communication between servers and client is made by Ethernet TCP/IP.

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