

Flughafen Nürnberg GmbH



Background

Nürnberg Airport has been experiencing constant growth during recent years. One of the reasons for the constant increase in the number of passengers and baggage passing through the airport is Air Berlin's heavy winter schedule. This situation caused the airport operator to invest in a well functioning infrastructure in recent years. Until recently, a real DOS host system was used to control baggage handling at the terminals and in the baggage sorting hall set up for the requirements of Air Berlin. For various reasons, the airport operator decided in 2005 to modernize/replace this system. A modern, tried

and tested control system was required, preferably on Solaris. Additionally, the supplier would ideally already have experience of replacing software systems during live operation. PSI Logistics GmbH's *PSIairport/BHS* was quickly selected as the best option. The operating system-independent basic software is already being used successfully at many other airports. PSI Logistics also has the advantage of being experienced at retrofit projects (replacing old systems during live operation).

The new control system went live on May 1st 2006, with all its functions working smoothly.

Project definition and requirements

The *PSIairport/BRS* reconciliation system was implemented in addition to the *PSIairport/BHS* software package for sorting baggage.

Both systems are already in use at several national and international airports.

Standardized IATA messages in accordance with RP 1745 (BSM/BPM) are used for exchanging data between connected airlines and the PSI Logistics systems.

PSIairport/BHS helps baggage handlers to carry out their everyday tasks using a user-friendly graphical planning table. Flight plans that recur on a cyclical basis are accounted for by the creation and storage of daily profiles. This allows the amount of daily planning for operational processes to be reduced to a minimum. The special workplace dialogs are optimized to endure efficient process flows. *PSIairport/BHS* also provides comprehensive statistics and information and is integrated with the existing Office environment (Word, Excel, and so on).

The *PSIairport/BRS* system connects seamlessly to the rest of the system landscape. RF scanners help with tasks such as recording the loading of baggage items. *PSIairport/BRS* is also responsible for maintaining and printing freight lists.

The integration of baggage sorting and reconciliation makes baggage processes as transparent as possible for all concerned. This benefit is particularly important at airports with significant peaks in service ("hub" problems).

Configuration

The airport's IT department provided a Fujitsu-Siemens cluster on Solaris 5.9 with Oracle 9. The control workstations use Windows 2000 Professional.

The high-availability system receives baggage data from BSM clients via a PSI Logistics gateway host. The BSM clients receive the data from the connected airlines.

RF scanners from Datalogic were used for the baggage reconciliation system. The Dragon M101/D radio frequency scanners are light, robust, and easy to use. The clear display panels allow users to concentrate on what's really important. It's practically impossible to make a mistake.

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