

Your Airport's Business Card

Customized Information Display

The comprehensive, accurate, and aesthetically pleasing display of flight and advertising information has become a key factor in streamlining airport operations and enhancing the experience of passengers and other airport visitors. The information requirements of multiple groups must be considered. Fortunately, advances in technology have created opportunities for location independent displays and information access points.

As airports migrate to a common use and shared tenant services environment, directional signage at the terminals, check-in desks, gates, and baggage carousels must be distributed in a dynamic format to accommodate the changing operational environment.

The Flexible Solution for All Types of Displays

AirIT's *Flight Information Display System (FIDS)* is designed to provide airport management with automated control to distribute and display critical information to the traveling public, airport tenants, and airport operational staff. As a key component of an airport's integrated operational systems, FIDS is directly connected to the Airport Operational Database and Resource Management System. The integrated system allows for the automated display of critical information to those who need it in a timely manner -- with little or no manual intervention. **FIDS** also provides visual paging for the hearing impaired and supports the display of weather, promotional, and advertising information.

FIDS is comprised of a control center, distribution servers, input terminals, and display technology. The FIDS control center is responsible for storing, processing, and transferring all data including, flight and general information.

The processed information is sent by **FIDS** via LAN to the connected distribution servers – in real-time to ensure consistency and accuracy. This information is then processed and transferred to the corresponding display devices by the distribution server. AirIT's **FIDS** communicates with and supports most types of display devices such as CRT monitors, LCD flat panels, plasma displays, split flap boards, and LED signage.



This function operates automatically and independently of the **FIDS** center for as long as the necessary information is available. Individual driver modules control the display devices on the system. One of the primary advantages of this method is that the integration of new display devices requires only the installation of a new device driver rather than a new display system.

A key advantage of AirIT's **FIDS** is the system architecture. Benefiting from the unprecedented reliability of Sun Solaris as the Operating System and Oracle as the RDBMS, FIDS leverages and represents the most advanced technological multimedia functionality. The Video Digital Controllers (VDC) run Windows XP OS and the JAVA application (DJACO) that provides airports with state-of-the-art multimedia functionality and flexibility.

This concept affords the opportunity of controlling a large number of display media, including those of different manufacturers. Currently, drivers are available for the following display media:

- Various LAN Monitor Controller Types
- LCD-Board via serial TTY Interface
- LCD-Board via LAN
- Split-flap boards via RS-485
- Intranet via LAN
- Teletext/Btx/...
- Interface to CUTE

Benefits

By virtue of the automatic transfer of flight event related data directly from the central database, standard operation does not require user intervention. Decentralized data storage allows short response times in the selection of information pages. A real-time update service ensures a consistent body of data in the **FIDS** control center and on the distribution servers. The open Client-Server architecture facilitates smooth expansion of the entire system.

System administrators are provided with a familiar Windows-based graphical user interface equipped with the necessary tools and dialogue boxes for configuration and maintenance on **FIDS**. Supported by **FIDS**, you can establish interfaces to external systems seamlessly to display non-flight data such as advertising or meteorological information and, where applicable, video sequences. The system is highly scalable to include an unlimited number of terminals, and control of all data is initiated from the **FIDS** control center.

Flight **Departing to** **Scheduled**

NW 95 Osaka, Japan 9:10am

Weather



109° F / 42° C

Partner

 AS 5095
 CO 5095

 CA 8016

Dinner served on todays flight

NW 127 from Los Angeles, CA will arrive at 9:30am

debi's Systemhaus								Mo 04/20/98 16:29	
DEPARTURES									
FLIGHT No.		TO	VIA	SCHED.	EST.	GATE	CHECK-IN COUNTER		
✓ LH 0234		MUNICH		15:00					
✓ BA 0221		LONDON		15:20					
✓ SK 0226		OSLO		16:00					
✗ SU 0102		MOSCOW		16:25	16:35				
● OS 0255		VIENNA		16:45					
● AF 0257		PARIS		17:00					
OU 0233		ZAGREB		17:15					
SK 0100		OSLO		17:30					
AF 0256		NICE		18:05	18:10				