

Integrated Airport Management System

AIS Integrated Airport Management System



AIS is a leading supplier of Integrated Airport Management Systems, successfully providing solutions for 30 years.

Our products represent the very latest in airport management software and consist of a set of integrated modules to fully provide for an airport's operational and financial data management needs.

Our prime mission is to work in true partnership with our airport customers, through the ALDIS User Group (AUG) and to continuously strive to enhance our products and services to ensure we meet our customers' evolving requirements.

Available Software Systems

ALDIS – Airport Landing Dues Information System

ALDIS is an Airport Management System with the capability of **Aeronautical Billing**.

ALDIS functionality includes configuring multiple discounts and surcharges as well as commercial target incentives and the system has been successfully implemented in over thirty airports worldwide.

Static Information

ALDIS contains data in ICAO, IATA and UK CAA formats including:

- Airports
- Aircraft Standards
- Operators
- Operator Aircraft
- Names and Addresses

Billing Engine

The invoice period is user-definable, with facilities provided by the ALDIS software to calculate and credit invoice:

- Landing and Parking fees
- Passenger tax
- Services provided to an aircraft including Jet A1, AVGAS and De-Icing Fluid
- Miscellaneous fees attributable to a movement
- Ability to invoice in a foreign currency and in the local currency including EUR and USD
- Offers up to 9 levels of sales tax
- Provides a pre-invoicing and invoicing function as standard
- Capable of emailing invoices

A range of discounts/surcharges including target incentives are available

Audit

Full audit routines are contained within ALDIS

Reports

A wealth of useful reports can be generated quickly and simply by users, available in PDF and CSV formats and in combination with Power BI, PPT format.

Excel Movement Data Extract

This is a simple-to-use and very powerful function that can be used for generating ad-hoc reports and used for additional statistical analysis.

Financial Management System Interface

ALDIS interfaces with standard financial management systems.

Currently available interfaces are as follows and the system is designed to easily allow interfaces to other accounting systems:

- SAP
- SUN Accounting
- Sage Line 50
- Sage Line 200
- Exchequer
- Access Accounting
- Pegasus

Government Statistics

- CAA AVSTATS
- NATS Stats

AFIDS – Airport Flight Information Display System

This system is the front-end to the ALDIS Airport Management System. Data is gathered in real-time to support Management functions, Aeronautical Billing as well as displaying passenger information throughout the airport, staff information and uplifting flight information to the airport website. AFIDS includes the following capabilities:

- Air Traffic Control Administration System
- Handling Agent/Airline System
- Passenger Information System
- Apron Management
- Cash Payments on demand
- Fuel System

FIDSnet

FIDSnet offers the latest in display techniques using state-of-the-art 4K LCD TV's with built-in Android Smart Boxes, reducing cost and complexity.

FIDSnet can be used on existing display units offering Full HD resolution, or with mini Android Smart Boxes.

FIDSnet uses structured cabling, Wi-Fi, Power-over-Ethernet or a separate power supply connection.

Display colour schemes can be selected using the full Microsoft palette of up to 256 colours.


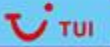






Staff Information System via connection to the airport LAN.

Web Uplift of arrival/departure information to airport website.

A typical example of a FIDSnet display can be seen below:

Note that as the following images are static:

- Logos and flight numbers fade in/out for up to 3 code-share flights
- Up to 6 multi-sector origin/destination airports with information scrolling as required
- Bilingual remarks by flight with scrolling as required
- Banner Advertising or Airport Messages are displayed with scrolling as required

| 14 March 2019 | | DEPARTURES | | 15:30:09 |
|--|---------|------------|-----------------------|-----------------------|
| Airline | Flight | Time | Destination | Remarks |
|  flybe | BE654 | 13:15 | MANCHESTER, JERSEY, F | Departed 1320 |
|  TUI | TOM9888 | 15:00 | GIRONA | Departed 1459 |
|  BRITISH AIRWAYS | BA2070 | 15:05 | LONDON GATWICK | Departed 1507 |
|  AirEuropa | UX3424 | 15:15 | IBIZA | Departed 1517 |
|  RYANAIR | FR2358 | 15:35 | LANZAROTE | Go To Boarding Gate 3 |
|  RYANAIR | FR6674 | 15:45 | LIVERPOOL | Go To Boarding Gate 1 |
|  CROATIA AIRLINES | OU1869 | 16:15 | PALMA | Final Check-In Call |
|  LOGANAIR | LOG9876 | 17:30 | PRESTWICK, GLASGO | Check-In Desk 10 |
| Please do not leave your baggage unattended at any time | | | | |

Security Sentinel

With the advent of IATA's 2D Barcode Resolution 722C/792 covering the use of PDF417 barcodes on boarding passes an ever increasing number of airlines are now allowing passengers to print their own boarding passes which allows them to bypass the normal check-in process and proceed directly to security.

The major benefit is to business travellers with only carry on luggage thus speeding up the check-in process and allowing this class of passenger to move more quickly through the airport.

All of the above means that the airport security staff require a system to thoroughly check the e-boarding passes to ensure the following:

- The point of origin is valid
 - The flight number is valid
 - The sequence number has not been used previously
 - The seat number has not been used previously
 - The date of the flight is the current day
 - The door or gate is still open
 - The flight has not been cancelled
-

Gate Guardian

With the advent of IATA's 2D Barcode Resolution 722C/792 covering the use of PDF417 barcodes on boarding passes an ever increasing number of airlines are now allowing passengers to print their own boarding passes.

All of the above means that the airport/airline staff required a system to thoroughly check the e-boarding passes at the gate to ensure the following by flight:

- The point of origin is valid
- The flight number is valid
- The sequence number has not been used previously
- The seat number has not been used previously
- The date of the flight is the current day
- The flight has not been cancelled

Source: <https://www.airport-suppliers.com/supplier/airport-information-systems-ais/>