



Interactive web-based system for managing airport operations and terminal management



What is iAirport?

iAirport is an interactive web-based system for managing airport operations and terminal management. The system manages airport resources such as aircraft parking stands, departure gates, check-in desks and baggage reclaims. The system tracks with a high level of accuracy and quality, all arrival departure flight and ground movements, using a variety of automated interfaces from airlines, handling agents, air traffic control and other airport users. The system also allows manual operation thereby enabling control of operation from central system.

The system fully operational at London Heathrow and Gatwick airports where airport and airline staff, Handling agents, passengers, and “meters and greeters” all depend upon the AODB system to provide the information they need. It tracks the complete arrival and departure flight process, as illustrated below, from the initial scheduled stage right through to post departure billing.

Key Benefits

- 👍 At a glance status of all airport resources
- 👍 Efficient management of resources
- 👍 Thin client allowing flexible easy deployment, adaptable and feature-rich
- 👍 Proven high reliability
- 👍 Better customer service to all airport users, airlines, handling agents, air traffic control and passengers
- 👍 Highly configurable to the requirements of airport users
- 👍 Airport performance management in areas such as baggage delivery, aircraft turn around etc.
- 👍 Wide variety of user options, desktop PC, laptops, Tablets and smart phones
- 👍 Interfaces to all the airport stakeholders to enable the provision of A-CDM
- 👍 Central hub - Interfaces to all systems at an airport
- 👍 Accurate and quality operational information through data validation and data prioritization enabling only information from trusted sources to be receive

The system has a highly resilient feature that ensures the system availability of 99.999%.

Improve operational efficiency

- iAirport provides real-time alerting to relevant stakeholders for timely decision making.
- iAirport dashboard helps in optimizing performance and revenues with key performance indicators that are highly configurable, indicates any disruption or irregularities that are about to occur.
- iAirport integrates and simplifies data and infrastructure by interfacing with a variety of external systems.

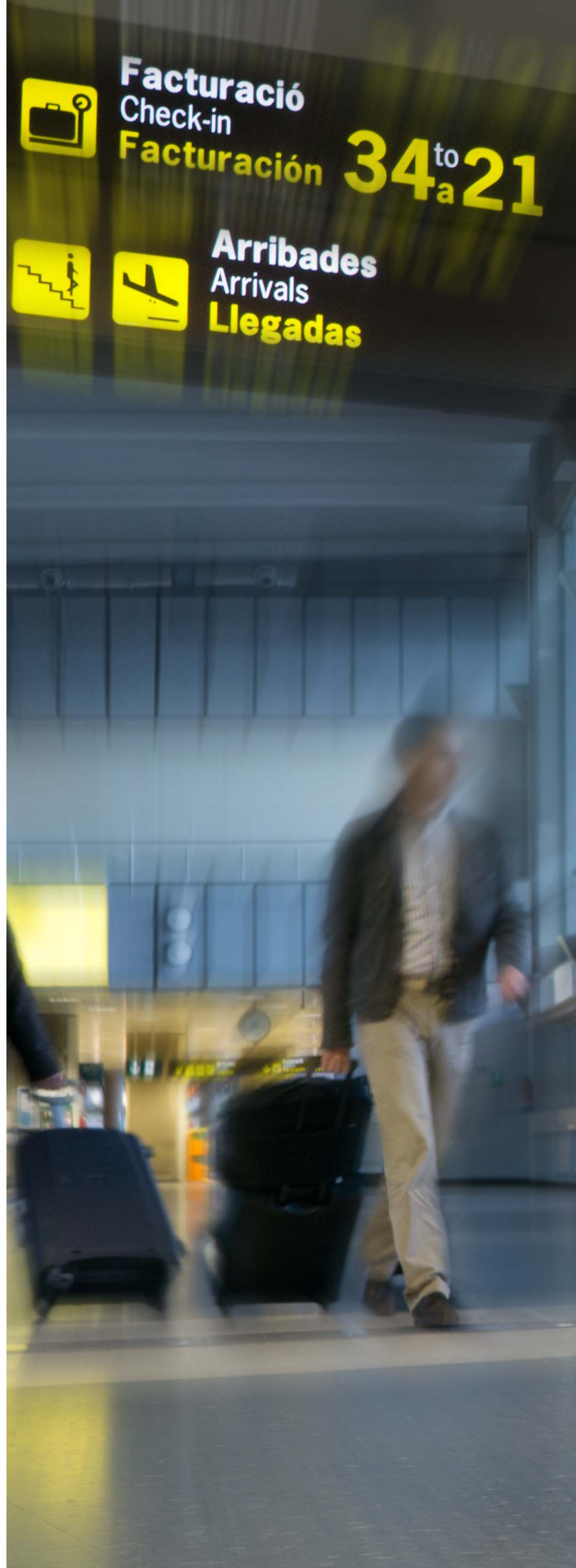
The system processes over 400,000 database transactions and 2, 25,000 messages per day.

Aviation Message Server

IBS Aviation Message Server (“AMS”) is a configurable message brokering solution tailored specifically to the needs of the modern aviation industry. With AMS, Airports are able to collect and validate a wide range of Aviation-specific message types in both modern and legacy formats and distribute them on a publish and subscribe basis using a variety of communications technologies and transport mechanisms.

Check in Display

iAirport Check-in manager a common use software application that gives airport operators greater visibility and governance of the use of passenger check-in desks whilst at the same time devolving appropriate local control to their handling agent and airline customers.





Departure Gate Display

iAirport Gate manager a common use software application that gives airport operators greater visibility and governance of the passenger departure process whilst at the same time devolving appropriate local control to their handling agent and airline customers.

Gate operations provide informed passenger process so passengers know how long to wait. This provides more opportunity to use the retail facilities.

Gate operations works on configurable rules that help control the boarding process.

ACDM

London Gatwick airport has enhanced efficiency with IBS ACDM solution. IBS has successfully implemented a series of Airport Collaborative Decision Making (ACDM) tools at London's Gatwick Airport. These tools will improve collaboration between all the airport partners which will in turn maximize capacity and service, while reducing emissions and operating costs. The tools that have become operational include intelligent alert generator, alert distributor, DPI message generation & processing and flight monitor.

Billing

iAirport provides daily delivery of accurate and fully validated actual flight movement data to the airport billing system. iAirport also provides provision for correcting operational information before it is presented for charging. The information in iAirport is validated against a set of configurable rules, users are alerted on error data with reason for error.

Mobile Solutions

IBS has developed mobile solutions to support many functions at the airport such as controlling the boarding process at a departure gate.

Reporting

Instant reporting functionality allowing web based and mobile user's information on what is happening anyway at the airport.

Functional overview

