

# Case Study: Systems Provision and Integration

## Added value

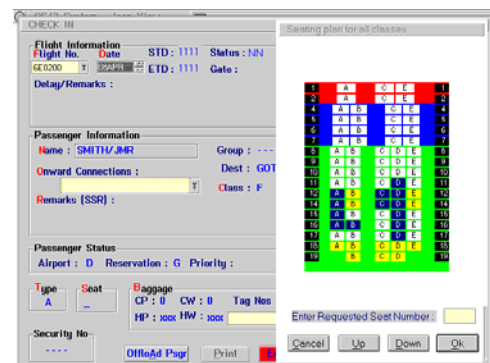
- Carried out strategic and detailed planning and implementation management of all the systems for a new terminal building at London Luton Airport.
- Carried out studies, plans and implementation for systems at other airports and for ATC and Airfield environments.

## Project Description

- Physical connection to external networks and other parts of the airport was provided through fibre and copper connection.
- Within the building a data and voice cabling system was installed from a central Equipment room to distributed communications rooms.
- A Gbit data network was installed to connect the new building with other nodes around the airport with network edge devices provided in building comms. rooms. Agreement with terminal users and service providers for shared use of the infrastructure.
- Resilience of applications was achieved by dual location of servers.
- Particular attention was paid to system integration, whilst being mindful of system interdependence and operational effect of individual system failure.



**Cost:** £2.5m  
**Programme:**  
**Start on site** 1996  
**Finish on site** 2001



- Selection, procurement, installation, test and commissioning of systems were all undertaken prior to the transition date. Transition was planned as an overnight activity.
- System operation was exercised from a temporary training room using airport, airline and handling agent staff
- Stakeholders including statutory authorities were integrated into systems provision.

## End Users

- Airlines
- Handling Agents
- Security
- ATC
- Terminal Operations
- Terminal Engineers
- Airport Administration

## IPM Roles

Development Manager  
Project Leader  
Production Integrator

**IPM**