AIRPORT INFRASTRUCTURE MANAGEMENT

AIRPORT CAMPUS LAN INTEGRATION

SITA Airport Campus LAN Integration allows airports to use a shared IP infrastructure and to adopt new technologies as means of streamlining the airport operation.

ISSUES

Efficiency gains and new revenue streams
The new business model presents additional challenges to airport management, as a result of pressures to increase revenue, and reduce costs in order to ensure ROI.

IT and communications as success factors for Airports
By improving the airport’s operational efficiency, network and IT play a key role in the functioning of modern airports.

Expertise and resources
Because an airport must focus on running its core business, it makes sense to work with a partner such as SITA in order to deliver the design, implementation and operation of critical infrastructure.

SOLUTION

Airport Campus LAN Integration
We design, install and manage the integration, as well as configure the network and provide the equipment.

Our methodology takes into account how parts of the airport processes and systems interact with each other and we ensure the delivery of a strong design and integration capability necessary for the network. We also ensure that the communications infrastructure is adapted to the airport.

Program and project management techniques are tailored to accommodate an MSI (Master System Integration) delivery.

BENEFITS

• Integrates network and IT operation and streamlining using best practices within the airport.
• Delivers of new solutions and innovation to airlines, retailers and other airport campus stakeholders.
• Takes advantage of the SITA holistic view of system integration and operations based on its dedication to the air transport Industry for over 60 years.

30 minutes
PER PASSENGER FROM CHECK-IN TO BOARDING, COMPARED TO 90 MINUTES PREVIOUSLY (BOGOTA AIRPORT)
HOW DOES IT WORK?

This framework describes how different parts of the airport operational processes and systems interact and depend on MSI development.

Strong design and integration capability, so as to ensure that all communications solutions and infrastructure are adapted to the airport.

Program and project management techniques need to be tailored to accommodate an airport MSI delivery.

Relevant best project management practices are used in different processes.

SOLUTION COMPONENTS

MSI (Master System Integration)

- Delivery sits within the context of an overall “Lifecycle Management Framework”:
  - an understanding of the airport business drivers (low-cost or full-service; retail-driven or passenger processing efficiency)
  - a process design that achieves the business drivers
  - a technical design that supports the operational process design
  - the integration and implementation of systems according to the technical design

- Integration of:
  - communication systems
    - LAN points and switches
    - WLAN access points
    - VOIP
    - PMR terminals
  - Passenger processing systems
  - Security systems

CASE STUDY

For CFOs and CIOs running busy and/or recently privatized airports, SITA is the ATI specialist for airport campus LAN solutions.

These solutions allow airports to:

- align their infrastructure to their strategy for growth and efficiency gains.
- leverage SITA business process know-how by integrating all technologies and partners throughout the ATI.

Implemented solutions, such as those installed in Dublin and Bogota Airports, integrate unique airport campus LAN design and build capabilities. As a result of total partner and vendor management, SITA ensures rapid deployment and operational efficiencies, in order to support fast ROI.

For more information please contact us at info@sita.aero