Indra has a wealth of experience in the Airport IT systems, providing solutions across airport operations: ATC-Tower, Ramp/Airfield and Terminal.

Indra solutions provides modularity, operability and scalability. These solutions are adaptable to different requirements, offering solutions for Greenfield, expansion, existing airport projects, as well as multiple airport networks.

Indra’s Terminal systems include Integrated Security System (ISS) comprising all security related systems.

**ISS general description**

The purpose of the ISS system is to identify potential risk situations in order to avoid intrusions. In case of unauthorized access, the system analyzes causes, mistakes and intruder identification. ISS provides security and operations surveillance coverage through video recording cameras and intelligent surveillance systems. The integration and coordination of the security systems includes: Closed Circuit Television (CCTV) surveillance, Access Control (ACS) and Perimeter Security (PS).

ISS is a modular system, allowing the airport to acquire strictly the required modules facilitating the systems architecture simplification and reducing investment.

**Monitoring and Control Video System (CCTV)**

Provides Image capture in diverse environments and presentation in the established clients. Including CCTV cameras, recorders, video monitors, etc.

**Access Control System (ACS)**

Provides access control for the staff and vehicles to the airport restricted areas. Includes different types of magnetic cards, readers, sensors, etc.

A differentiating factor of Indra Security systems is their independence from particular models or suppliers of HW, whilst being compatible with any and in compliance with market standards.

**Perimeter security**

Control of critical security area between Air-side and Land-side.

**Features and Benefits**

- **Adaptability to any COTS HW through an Indra proprietary abstraction layer able to interface and deal with the complexity of the different vendor devices** (i.e. eases integration of legacy devices with new interfaces for pure IP HW or HW add-ons for old analogical HW).
- **Centralized events collection for the System but distributed CCTV & ACS management and control** (i.e. a failure in one single element does not affect the rest of the system).
- **Complete information system**: events on one system can generate actions on the other (i.e. a door forced event in ACS may start a recording of a specific camera in the CCTV).
- **Users profile capabilities through the definition of grants, blocks and privileges** (i.e. each operator has its own profile, defining devices to be controlled and operations to be done).

**ISS Deployment Advantages**

- **A single supply integrating the most common devices for the airport control security environment**, guaranteeing compatibility and cooperation, taking advantage of the latest technical tendencies in individual components, as well as integration.
- **Central environment management combined with zone segmentation, to local control and monitoring**. Each zone has sufficient autonomy to ensure its function even when totally isolated from the rest of the installation.
Servicios Asociados

• Design and consulting services
• Product adaptation, product can be customized and adapted to fulfill any specific airport requirements
• Integration with external systems
• Deployment
• Testing & Commissioning
• On-site, Off-site Support and Maintenance
• Product new versions updating service, with no additional cost if Indra is maintenance provider.

Referencias

Security solutions have been deployed by Indra in many sectors during the last decade. These systems range from ACS systems to complex integrated systems combining all security areas. This experience is summarised in the following points:

• CCTV at new Terminal 1 in Barcelona airport for security, operations and maintenance. This project includes Intelligent Video Surveillance System for security and queue control purposes at Barcelona airport.
• ISS (CCTV + ACS + Perimeter Security) at Castellón, Alguain (Leida), Lubango and Luanda Airports.
• Installation and maintenance of the Comprehensive Security Systems in European Commission Offices and Embassies.
• Installation of the video surveillance and recording Security System in the Barcelona underground stations.
• Installation of the video recording and surveillance Security System of the Damietta chemical plant in Egypt of Union Fenosa.

Indra reserves the right to modify these specifications without prior notice.
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