

Security for airports that pays

The Building Integration System



BOSCH

Invented for life



Air transportation is helping to drive global economic development, intercultural exchanges and the growth of tourism. But the increasing passenger and freight volumes are creating a need for tighter security, too. Legislation also requires airport operators and airlines to implement more thorough checks.

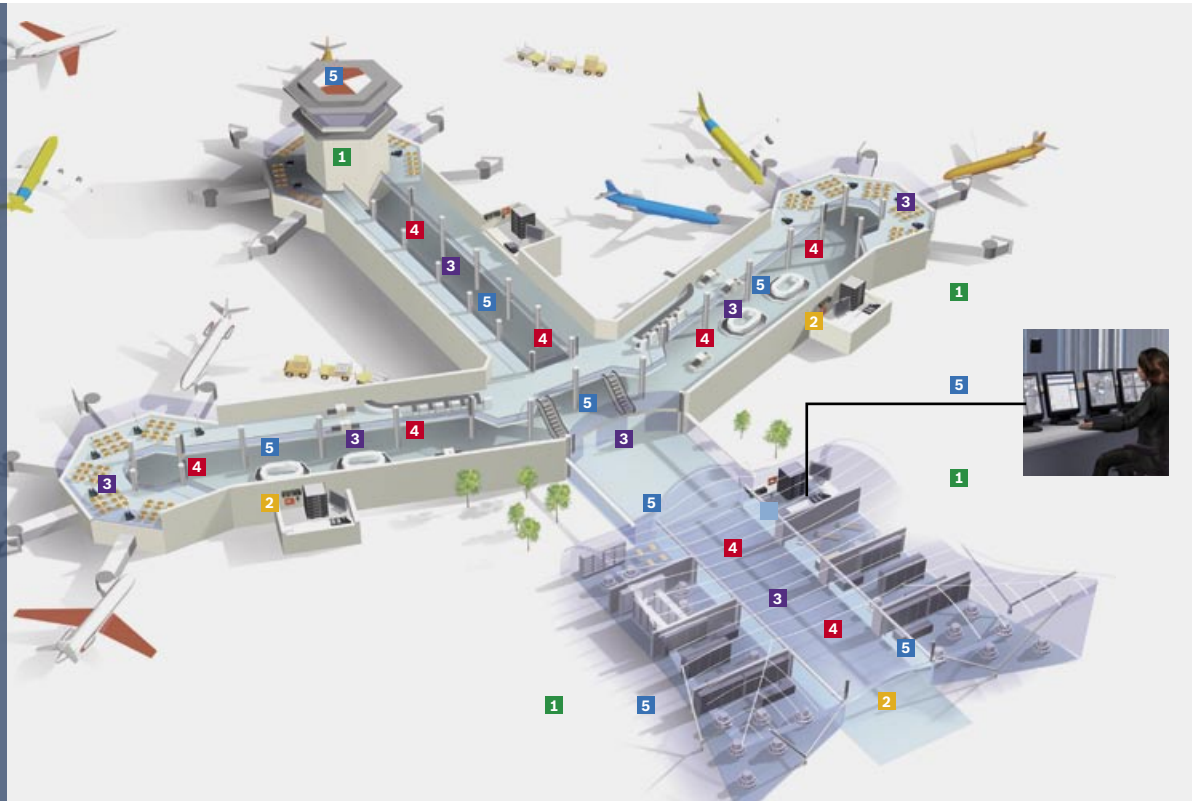
Organizations also face the additional demands of protecting open, accessible areas and large, fenced-in premises with multiple access points. But more checks slow down operations and passenger flows while incurring significant costs.

The Building Integration System delivers innovative solutions to help airports master these new security challenges. It combines data and systems in a clearly structured network, enabling smart interaction among all connected devices for personal safety, security, video surveillance, access control and building automation. The Building Integration System is also designed for straightforward, flexible integration in existing IT environments.

Security management with the Building Integration System

- ▶ A consistent user interface for easy system monitoring and control, combining all of the mentioned security applications
- ▶ Action plans for handling emergencies
- ▶ Optimized overviews of events, including site plans and alarm documentation
- ▶ Easy integration in existing infrastructure, thanks to global IT standards such as OPC and HTML, CAD data and a Windows-based operating system

High-level interfacing with all security systems to flexibly meet the needs of airports



Building Integration System (BIS): Everything controlled by the same software

1 Intrusion alarm systems: control panels, motion detectors, fence monitoring, etc.

- ▶ Various arming options: by key switch, block-type locks or code entry

2 Access control systems: control software, door controllers, card readers

- ▶ Protection of internal and security-relevant areas, systematic escape route management

3 Communication systems: public address and voice alarm, conference systems

- ▶ In ordinary everyday use, the systems help ensure clear, concise flight and passenger announcements. In emergency situations, they enable clear, understandable announcements and dynamic escape route management.

4 Fire alarm systems: fire panels, fire detectors, manual call points, interfaces

- ▶ Fire protection with early detection, alarms and evacuation, and firefighting with extinguisher systems

5 CCTV – video surveillance: cameras, IP video, digital recording and storage, intelligent video analysis (IVA)

- ▶ Electronic surveillance throughout the airport; detection of unattended luggage; continuous monitoring and recording of luggage as it is loaded, unloaded and transported on conveyor belts; luggage and freight antitheft surveillance; combinable with perimeter surveillance and protection

In addition, BIS integrates conventional building systems and processes such as Building Automation, Electro, HVAC and others.