

Security for financial institutions that pays off

The Building Integration System



BOSCH

Invented for life



To meet your responsibility to provide reliable protection for employees, customers and assets, you need an integrated security solution. Many financial service providers around the world already bank on innovative, certified technology from Bosch.

The Building Integration System merges high-performance software applications for monitoring buildings and controlling security systems. Small bank branches in particular benefit from the ease with which the Building Integration System can be integrated into networks – no expensive structures need to be maintained.

High-level interfacing with all security systems optimizes event management to flexibly meet the needs of financial institutions: burglar alarm systems, access control for administrative areas, intrusion systems and video surveillance of ATMs and other publicly accessible areas.

Hold-up functions: let's say that a bank employee is taken hostage by a robber when arriving at work one morning. He enters a special access code, and the door opens as usual. But at the same time – and unnoticed by the assailant – an alarm is also triggered on the BIS operator's workstation. Video surveillance, including DVR systems, in the Building Integration System provides additional security.

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 financial institutions



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

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

- Support for building evacuation; basis for communication between firefighting units.

2 Intrusion alarm systems: control panels, motion detectors, panic button, transmission units

- Various arming options: by key switch, block-type locks or code entry; scheduled arming Video recording automatically starts if there is a burglary.

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

- Monitoring of equipment, service and business areas for smoke, excessive temperatures and water on the floor; automatic fire containment by activating systems and separating burning areas from unaffected ones.

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

- Individually definable access authorization for each employee; special areas for certain personnel; biometric checks for accessing where money and valuables are kept.

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

- Networking of head office with branches via a corporate network without expensive distributed IT systems; recording of events before an alarm is triggered, e.g. when a bank robber puts on a mask; clarification of the causes of events by recording what is happening when an alarm goes off.

The BIS also integrates conventional building systems and processes including building automation, electrical functions, HVAC and others.