

New security for penitentiaries. The Building Integration System.



BOSCH

Invented for life



Security between the inside and outside of penitentiaries is essential. However, internal security is no less important: prison officers, support personnel and others must be protected against accidents and assaults, just as inmates must be safe from the risk of fires.

Penitentiaries are a particular challenge when it comes to security measures. This is because the frequent changes in occupancy and risk of escape demand absolute reliability in all areas: security technology, cell communication, key management and network technology.

With experience in equipping numerous penitentiaries, Bosch Security Systems is the partner who can meet your highest standards. The innovative Building Integration System is the solution that stands for reliability and flexibility in day-to-day routine in a penitentiary and guarantees cost effectiveness and protection of your investment.

With the Building Integration System, all technology in the building is monitored, controlled and administered from a central location. All subsystems, such as fire detection systems, video technology, perimeter protection or cell communication right through to individual detectors are clearly linked. This enables the organization structure to be tailored to specific requirements. What's more, thanks to the clear presentation, people can respond to notifications and alarms more quickly and more efficiently.

Security in practice:

The Building Integration System in use

With the Building Integration System, fire protection, cell communication, fence and wall perimeter protection and video surveillance are always under control. What's more, the system offers unprecedented versatility. As such, cell communication with tamperproof intercoms enables direct speech between guards and inmates – without the risks associated with opening doors. An early fire detection system with partly tamperproof fire detectors and clear site plans provides the means for targeted intervention in the event of emergencies. What's more, light and facilities such as cable TV can be controlled from a central location.

The Building Integration System. More options, more security for prisons and penitentiaries.

The Bosch Building Integration System gives penitentiaries more options for greater security.

And the appropriate application for every requirement.

Prevention of escapes through surveillance of fence and wall perimeters

- ▶ Integration of perimeter protection systems with accurate containment of alarm location through seismic detectors
- ▶ Camera assignment to alarm locations with automatic image recording, panning of AutoDome camera and activation of exterior lighting in the event of an alarm
- ▶ Combination with door access control for targeted control and monitoring of fence or wall passageways and access roads
- ▶ Video motion detection with direction recognition

Protection of security staff

- ▶ Special cell doors with centrally controllable, electromagnetic high-security locks with maximum protection against assaults
- ▶ Monitoring of cell door status
- ▶ Door access control with increased security standard through use of locks or biometric identification devices
- ▶ Equipping of guards with personal emergency call systems with tracking transmitters and handheld devices with manual and automatic alarm activation

Fire protection

- ▶ Early fire detection through detectors, e.g. during an arson attempt
- ▶ Optimized alarm processing and management through display of corresponding site plans and documentation of measures
- ▶ Combined with extinguisher systems

Security management with the Building Integration System

- ▶ Uniform user interface for simple monitoring, inter-system control and combination of all above-mentioned security areas with a wide range of expansion options
- ▶ Plan of action in the event of an emergency
- ▶ Optimized overview of events through integrated site plans and additional alarm documentation
- ▶ Simple integration into existing infrastructures through use of worldwide IT standards such as OPC, HTML, CAD data and Windows-based operating system

More information on innovative security systems can be found at www.boschsecurity.com.