

Security and building management via a single platform

An integrated solution by Bosch and Genetec

Challenges

Keeping visitors safe within a large building like a shopping mall or university complex is very important. In case of an event or emergency, control center personnel must react quickly to take the appropriate action to resolve the situation.

Market requirements

A high level of security is crucial within large buildings, and immediate automatically initiated measures need to be executed when required – such as the unlocking of escape doors or the issuing of public address announcements.

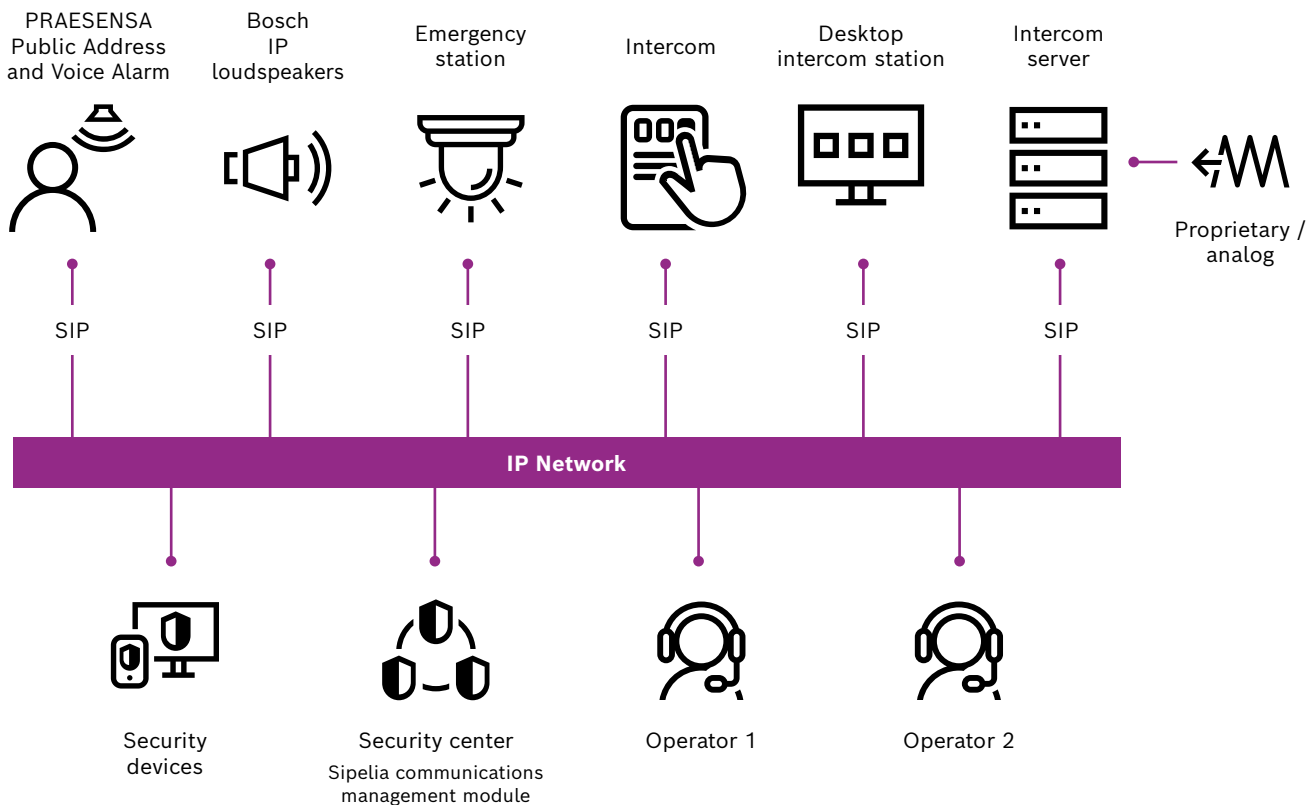
Our solution: the seamless integration of PRAESENSA by Bosch and Sipelia from Genetec

Genetec Inc. is an innovative technology company with a broad solutions portfolio that encompasses security, intelligence and operations. The company's flagship product, Security Center Sipelia, is an open-architecture platform that unifies IP-based video surveillance, access control, automatic license plate recognition (ALPR), communications and analytics.

- PRAESENSA by Bosch is an IP-based, fully featured state-of-the-art public address and voice alarm system. Designed with ease-of-use in mind, PRAESENSA offers straightforward installation and integration, delivering great audio quality with an easy-to-use interface. The combination of IP connectivity, a smart power concept and integrated redundancies add up to provide an extremely cost-efficient solution which is equally suited to centralized and decentralized topologies.
- IP-based horn loudspeakers and the IP-based amplifier module from Bosch are designed to provide superior sound quality and flexible integration for video surveillance and public address applications, supporting both two-way VoIP (Voice-over-IP) communications and pre-recorded/automated messages.
- Security Center Sipelia by Genetec is a complete communications platform. It unifies audio with core security capabilities such as video management, access control and intrusion monitoring. It significantly increases situation awareness, giving security teams a clearer picture of what's happening before they decide to act. It also streamlines the incident response and investigation process by automating tasks, keeping teams connected and providing them with greater mobility.



System example for security and building management via one single platform



Benefits for the system integrator/installer:

- Intelligent input switching, dynamic channel assignments and power-load sharing make the system extremely flexible
- Design changes possible at any stage
- Sipelia is a communication management system that centralizes SIP-based communications
- Easily upgradeable to any new technology releases in the future

Benefits for the owner/operator:

- Linking public address zones to the security center user interface enables operators to broadcast an announcement quickly
- With pre-defined rules, there's no need to look for associated zones – simply dial the number sent by the system and make the announcement
- Navigate floor plans with all associated entities (e.g., intercoms, doors, cameras, IP speakers, intrusion and public addressing zones)
- Supports visualization of multi-site installations
- Monitoring of all security or edge devices via one user interface
- Scale and upgrade your system at any time with new interfaces, capabilities and sensors
- Smart power concept for a cost-efficient and energy-saving solution (PRAESENSA)
- Limited amplifier weight due to smart power concept (PRAESENSA)
- Integrated redundancies for a failure-safe solution (PRAESENSA)
- The voice alarm functionalities of Bosch PAVA systems provide clear guidance and instructions in case of emergencies

Bosch Security and Safety Systems

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For specifications and design tools visit
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