



Security and management via one single platform

An integrated solution by Bosch and Entelec

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 required action to resolve the situation.

Market requirements

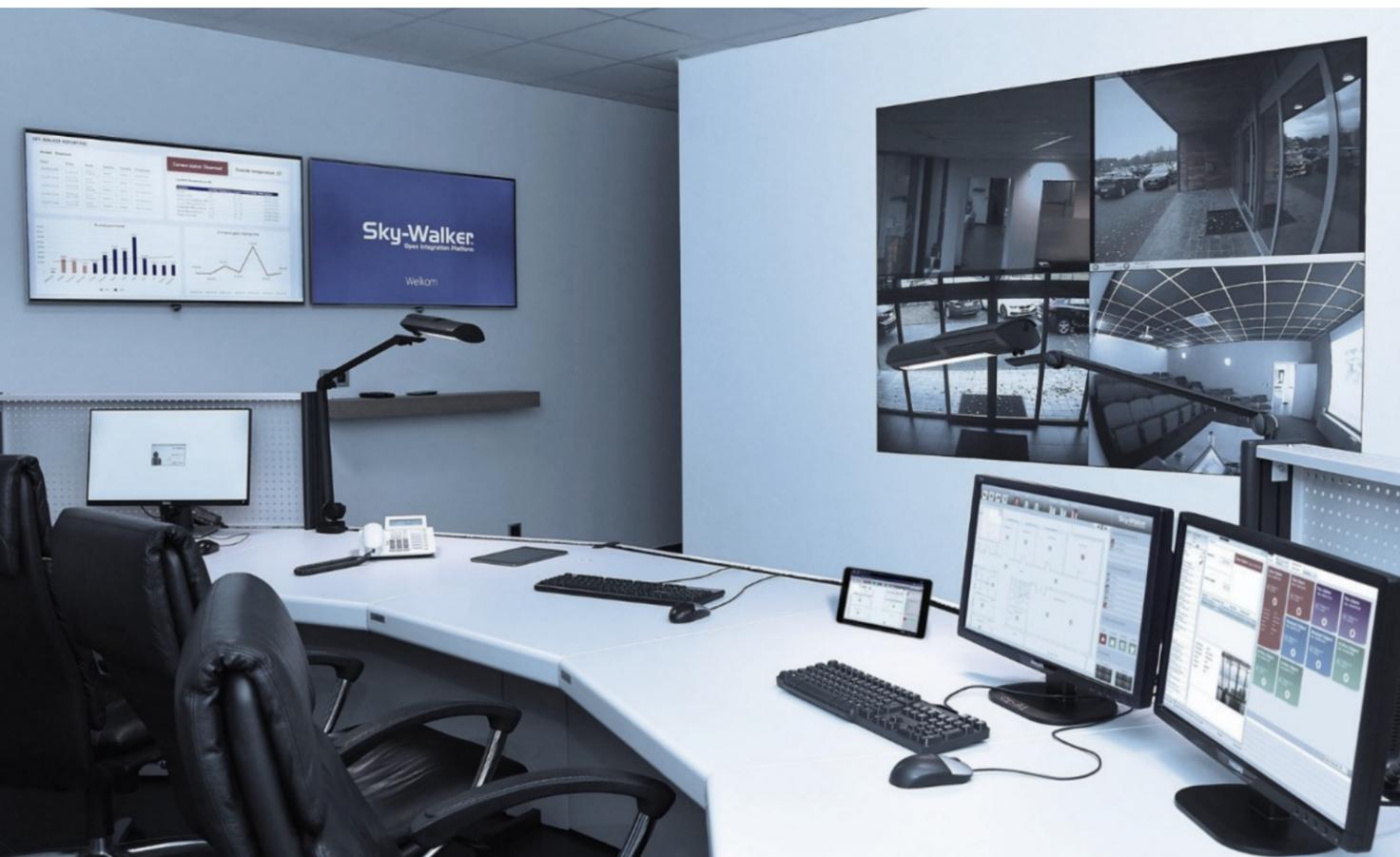
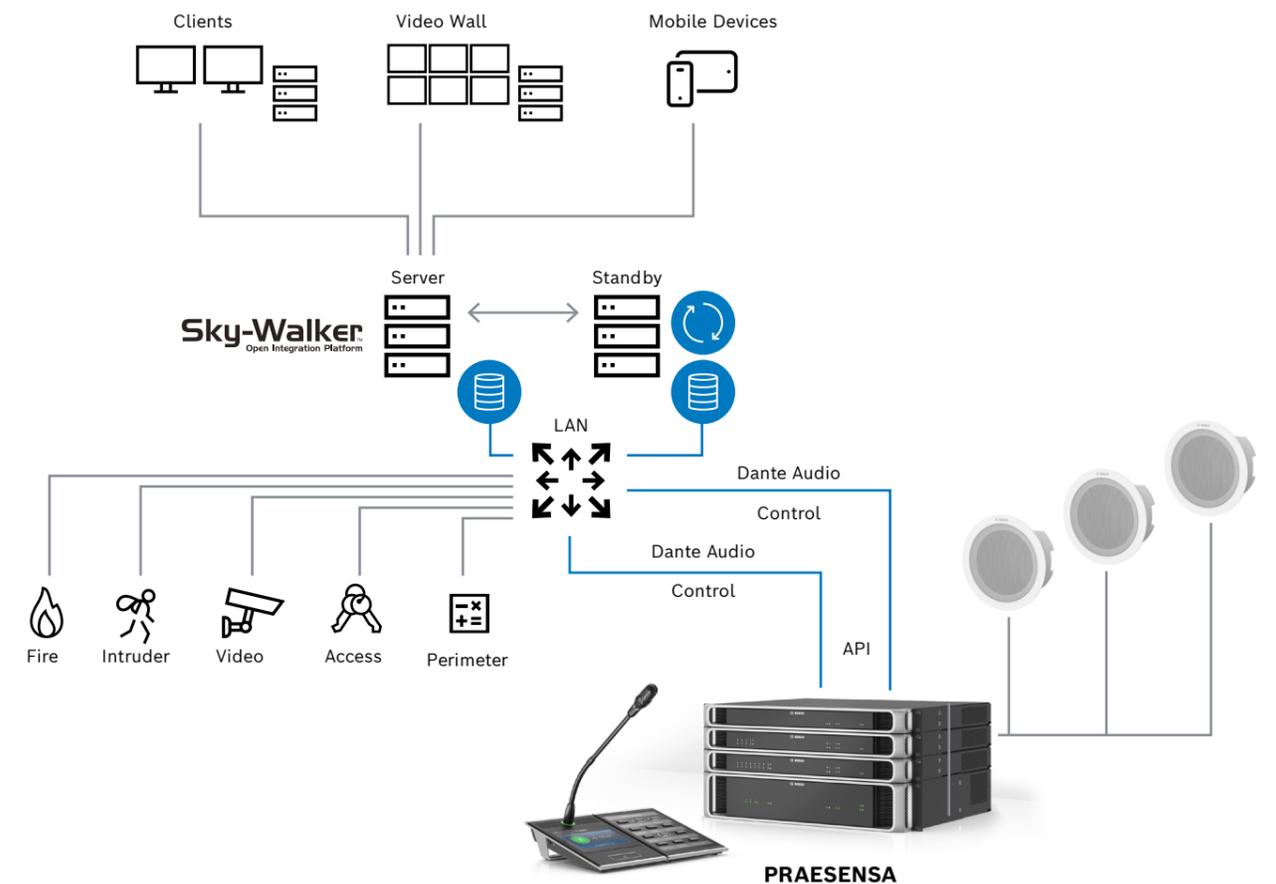
A high level of security is crucial within larger buildings, where immediate automatically initiated measures need to be executed when required, such as the unlocking of escape doors and the issuing of public address announcements, etc.

Our solution: Seamless integration of PRAESENSA by Bosch and Sky-Walker by Entelec

For over 30 years, Entelec has been active in the field of open integration with systems using its own software platforms, such as Sky-Walker. Entelec continues to leverage that experience and innovation towards realizing state-of-the-art projects for a wide range of customers.

- PRAESENSA by Bosch is a fully IP-based, fully featured 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 combine to deliver an extremely cost-efficient solution which is equally suited to centralized and decentralized topologies.
- Sky-Walker PSIM control room software by Entelec allows three types of navigation between different screens. Using the navigation button, a user can navigate in each window to a different screen, depending on the access level of the operator and the workstation. The alarm buffer allows users to automatically navigate to the screen where an alarm occurs. This is done by a simple click on the alarm row. The tree view allows the user to navigate between the different pages in each window and structures the hierarchy of the pages. The client user interface also provides the ability to navigate to a location where cameras are installed and manage these cameras using the Sky-Walker PTZ viewer (pan-tilt-zoom).

System example for security and building management via one single platform



The PRAESENSA Public Address and Voice Alarm system by Bosch and the Sky-Walker PSIM software platform by Entelec are linked via AES67/Dante audio streaming and TCP/IP control.

Benefits for the operator/owner:

- Sky-Walker enables the user to quickly identify and handle alarms and events, following a pre-defined workflow to minimize risk.
- Skywalker helps to reduce operating/maintenance costs and the cost of false alarms.
- Sky-Walker seamlessly integrates into security, safety and building systems such as PRAESENSA.
- Sky-Walker will trigger operators with notifications, flashes and sounds.
- Cost-efficient, energy-saving solution due to smart power concept (PRAESENSA).
- Limited amplifier weight due to smart power concept (PRAESENSA).
- Failure-safe solution with integrated redundancies (PRAESENSA).
- Dante-based audio interfacing offers high speech intelligibility.

Benefits for the system integrator/installer:

- IP-based technology using the existing IT infrastructure
- Seamless integration of the PRAESENSA system in the Skywalker PSIM platform, realized via Dante and TCP/IP

Bosch Security and Safety Systems

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