Invented for life

BOSCH

Delivering travelers intelligible, current info in real-time

An integrated solution by Bosch and Simpleway

Challenges

When travel announcements are difficult to hear, it can cause stress and confusion for passengers. The same happens whenever important travel information is announced too late, or, even worse, when there are no announcements at all. The entire boarding process can be delayed when passengers arrive late at their gates or platforms, potentially resulting in costly schedule disruptions. It is therefore essential for announcements and travel information to be communicated clearly and at the correct time.

Market requirements

At airports, train stations and metro stations, public address announcements must be up-to-date and highly intelligible in every part of the premises. Good sound quality is important to keep passengers informed, which in turn helps to create a more relaxed ambience by minimizing stress and mix-ups. Targeted announcements to specific zones or groups can reduce sonic clutter in other parts of the premises, because relevant information is only audible in areas where it needs to be heard. This all contributes towards making travel hubs less noisy, lowering passenger stress levels, and significantly improving the overall atmosphere – all at the same time.

Today's public address systems must deliver superior sound, offer the flexibility to select and group certain zones for announcements and be administered with ease by the staff. And, in addition to offering tamper-free and failure-safe operation, a public address system that is IP-based can fully interface with various digital information systems to relay the latest travel info with a high degree of automation, reducing response times and increasing efficiency for the operator.

In partnership with

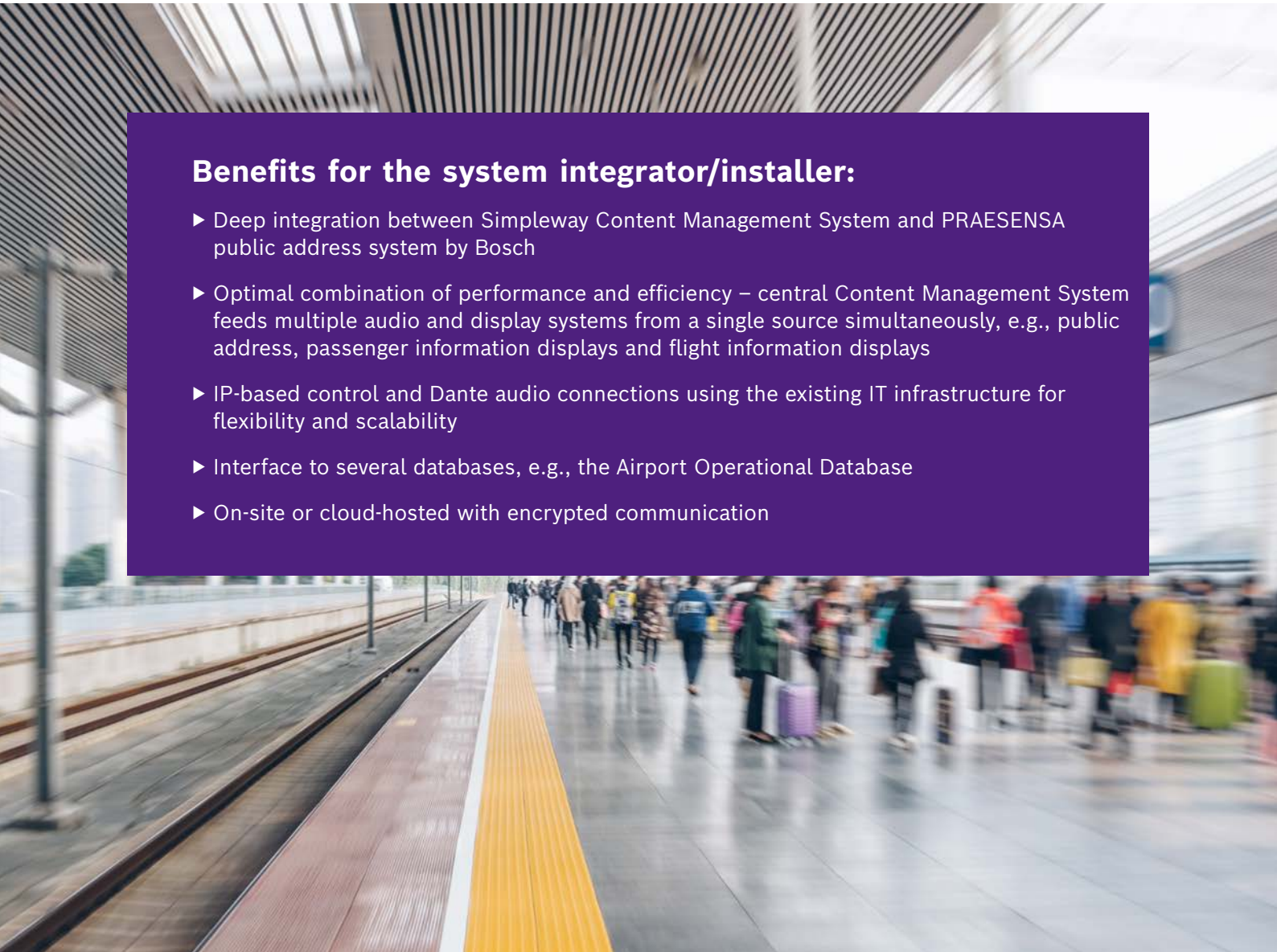
simpleway

Our solution: Seamless integration of PRAESENSA by Bosch and Simpleway's Unified Passenger Information System

The joint Bosch-Simpleway solution delivers manual and automatic voice announcements which can be triggered either by the ground staff or by the operation control center of an airport.

- PRAESENA by Bosch is a fully 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 combine to offer an extremely cost-effective solution that is equally suited to centralized and decentralized topologies.

- Simpleway offers a Unified Passenger Information System for travel hubs like airports, metros and railways. The unified information platform gathers, computes and processes real-time data from various sources, and is transferred to passengers via audio messages, displays, LED screens, information booths, smart devices, websites, social media networks, and other communication channels.

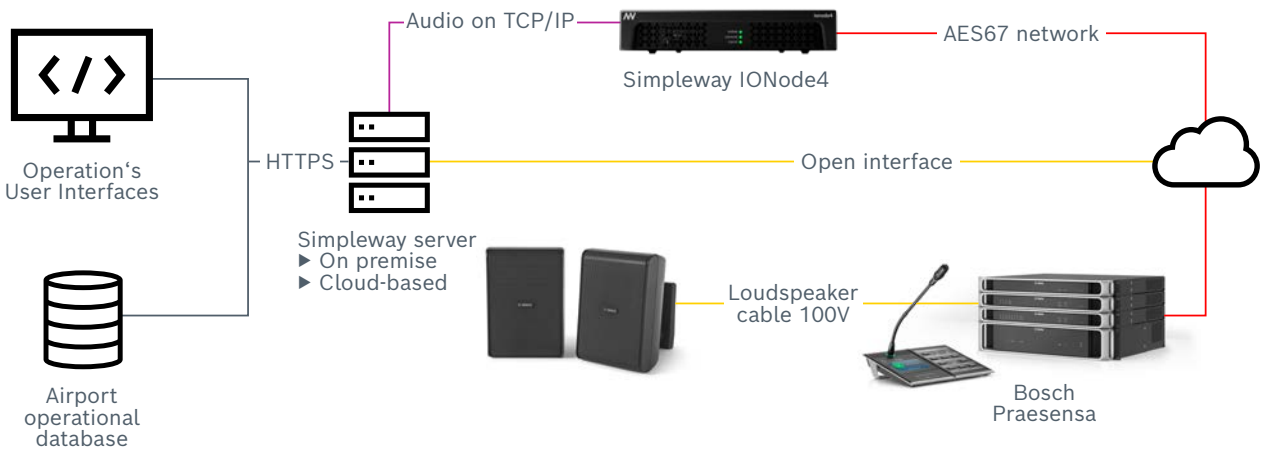


Benefits for the system integrator/installer:

- Deep integration between Simpleway Content Management System and PRAESENSA public address system by Bosch
- Optimal combination of performance and efficiency – central Content Management System feeds multiple audio and display systems from a single source simultaneously, e.g., public address, passenger information displays and flight information displays
- IP-based control and Dante audio connections using the existing IT infrastructure for flexibility and scalability
- Interface to several databases, e.g., the Airport Operational Database
- On-site or cloud-hosted with encrypted communication

System example for public transport

PRAESENSA, the public address and voice alarm system from Bosch and Simpleway's unified Passenger Information System are interfaced via AES67 / Dante audio and TCP/IP control – open interface.



Benefits for the Owner:

- User-friendly operation and extensive control options
- Intuitive user interface with role-based features
- Automatic announcements based on trip data triggers and time schedules
- Cost-efficient, energy-saving solution due to smart power concept
- Failure-safe solution by integrated redundancies and supervision of all components
- Manual and automatic announcements
- Optimization of operational processes
- Streamlining the passenger flow
- Simpleway Content Management System ensures that the information displays (PIDS) are always up to date and easy to use for the operators

Benefits for the passenger:

- Clear and understandable announcements throughout the premises
- On-time information reduces travel stress
- Audio visual support for hearing- and visually impaired passengers
- Synchronized voice and visual announcements

Bosch Security and Safety Systems

Visit **www.boschsecurity.com** for more information.

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