



# Professional Security and Communication

SIP Intercom System



We make everyday life safer

# SIP Intercom System

Designing buildings requires the reconciliation of the many needs and interests of investors, operators and their end users. Architects and designers face an increasingly challenging task to create a bridge between the advanced systems implemented in buildings and their intuitive use.

The safety of people and property is a key element - as is the need for efficient communication and an effective flow of information. That is why it is so important to equip these buildings and facilities with intercom communication systems.

In the event of an alarm being triggered, an evacuation system will begin to warn occupants of the hazard. Intercoms then enable two-way communication, allowing for verification of the situation and for security personnel to take appropriate action.

Intercoms combined with systems such as voice alarms and CCTV create

integrated security systems (SCP). A voice alarm system is able to make automated or manual announcements in the building, while CCTV provides the operator with a visual image of the areas where there is an emerging situation in the facility.

The main advantage of an intercom system is the reduction in response time between the person in need of assistance and the facility staff or security services. This solution can prove vital during the evacuation of a building. People who cannot use the staircase or have mobility limitations can talk directly to building managers or security, to help ensure their safety and provide reassurance.

## MAIN FEATURES

- ✓ digital voice communication system in TCP/IP technology;
- ✓ remote supervision and monitoring;
- ✓ the ability to record sound;
- ✓ possibility of close integration with the following systems: Access Control, CCTV, BMS, PSIM, PBX, PA/VA.

# ISE COMM



In larger buildings and facilities, it is important to manage the entire security structure from one location.

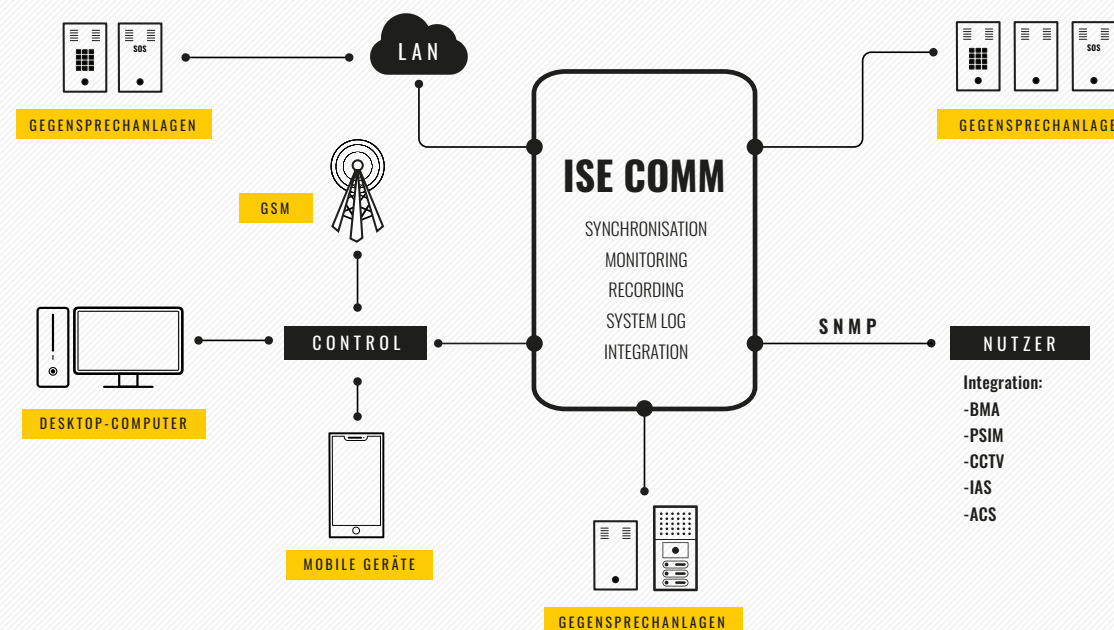
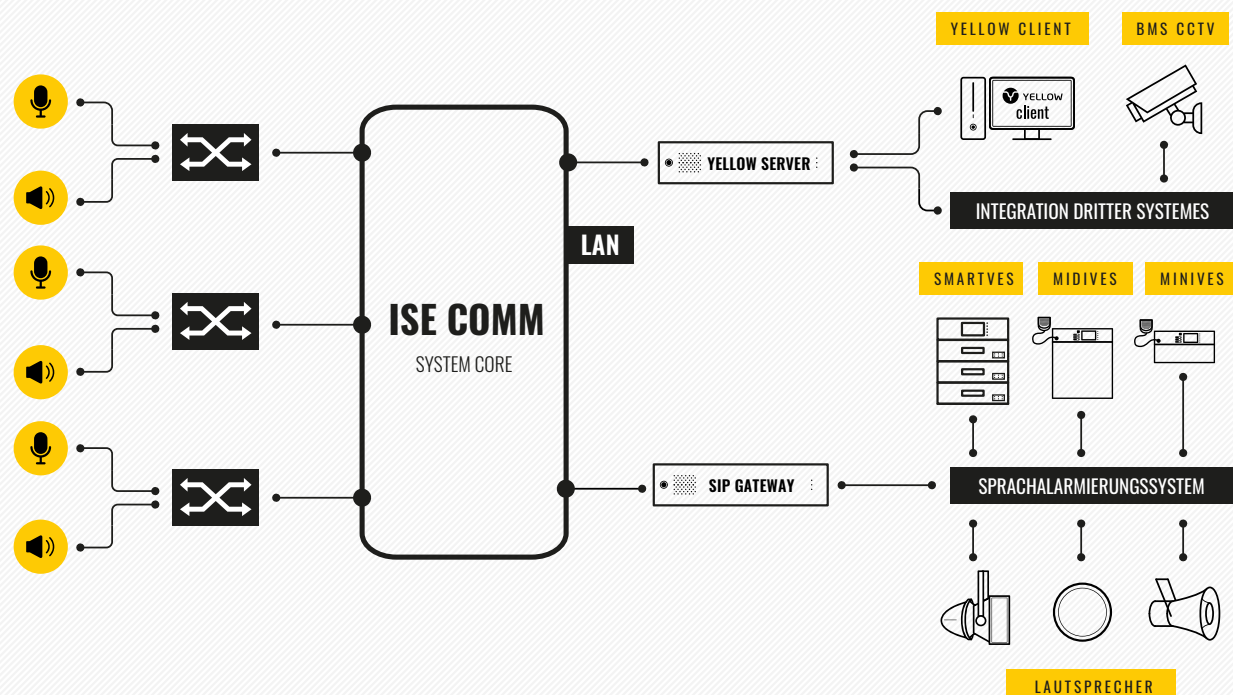
The heart of the intercom system is the ISE COMM management server. It is responsible for the supervision and synchronization of devices in the network. ISE COMM performs the functions of call handling, and digital sound processing and enables integration of the system with other communication and security systems in the building.

## CHARACTERISTICS

- Providing a graphical interface to the initial configuration;
- integration with third party systems;
- audio call recording;
- schedule of events;
- web-based configuration and management.

## MAIN FEATURES

- ✓ monitoring the status of devices on the network;
- ✓ intercom synchronization;
- ✓ queuing and forwarding calls;
- ✓ conference call support;
- ✓ broadcasting automatic messages;
- ✓ system log.



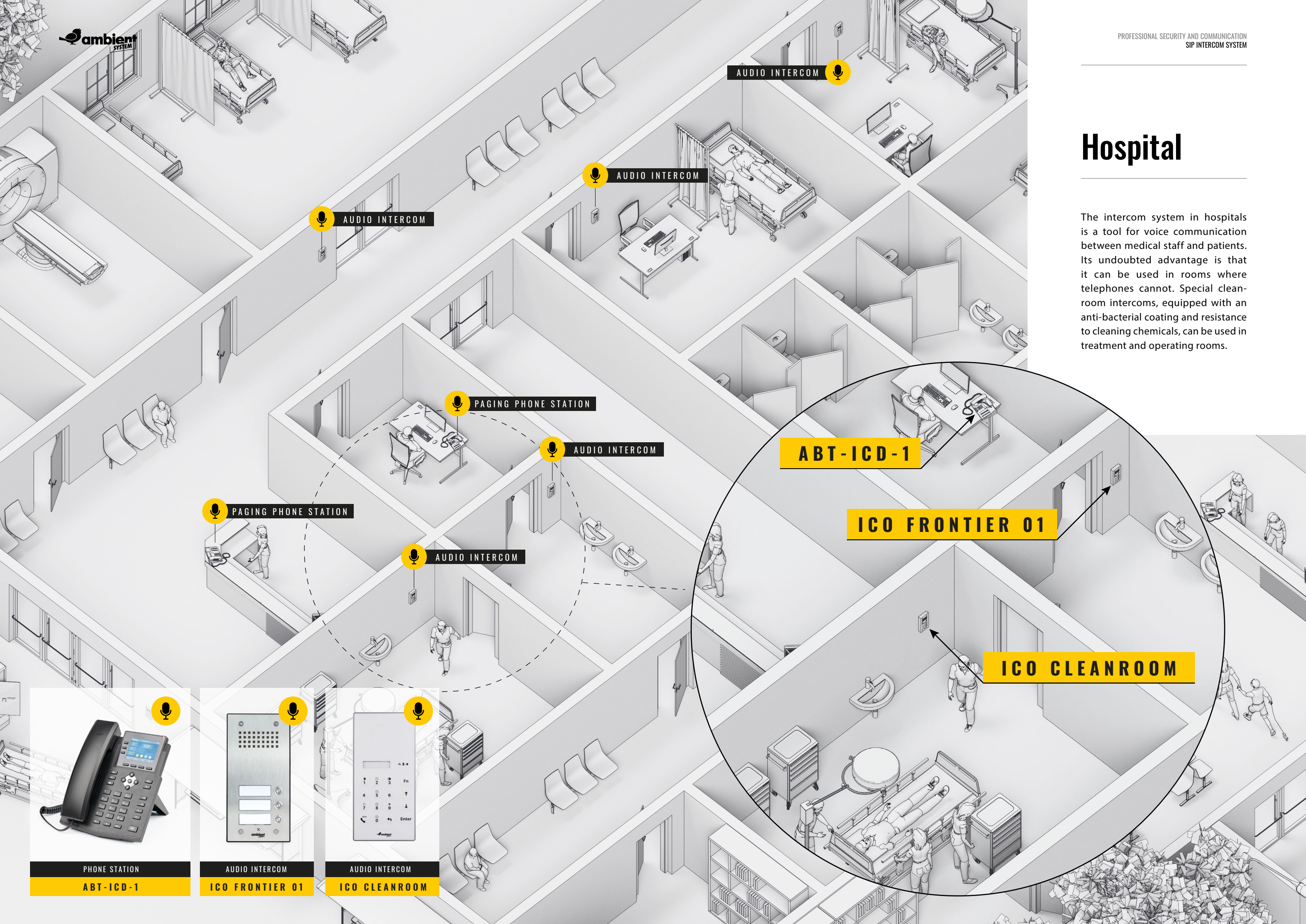






# Hospital

The intercom system in hospitals is a tool for voice communication between medical staff and patients. Its undoubted advantage is that it can be used in rooms where telephones cannot. Special cleanroom intercoms, equipped with an anti-bacterial coating and resistance to cleaning chemicals, can be used in treatment and operating rooms.







## YELLOW

Yellow is a platform for visualization, integration and management of security systems.

The software offers graphical presentation of the status of devices across a site. Devices and zones in the facility are represented in the form of icons and vector graphics.

The appearance of the icons allows you to quickly identify the type and current status of the device. The change of appearance occurs automatically. The use of YELLOW does not require any special operator skills.

The Yellow software allows you to create an interface for monitoring and managing PA/VA systems and intercoms installed in many locations.

## VES SIP Gateway



ABT VES-SIP GATEWAY is the VoIP interface between systems supported by SIP and the PA/VA solutions manufactured by Ambient System.

The interface enables the creation of broadcast groups within the PA/VA configuration, to which it will be possible to send messages via VoIP. Thanks to the support of the PA/VA system protocol, the interface also allows you to control a number of its advanced functions.

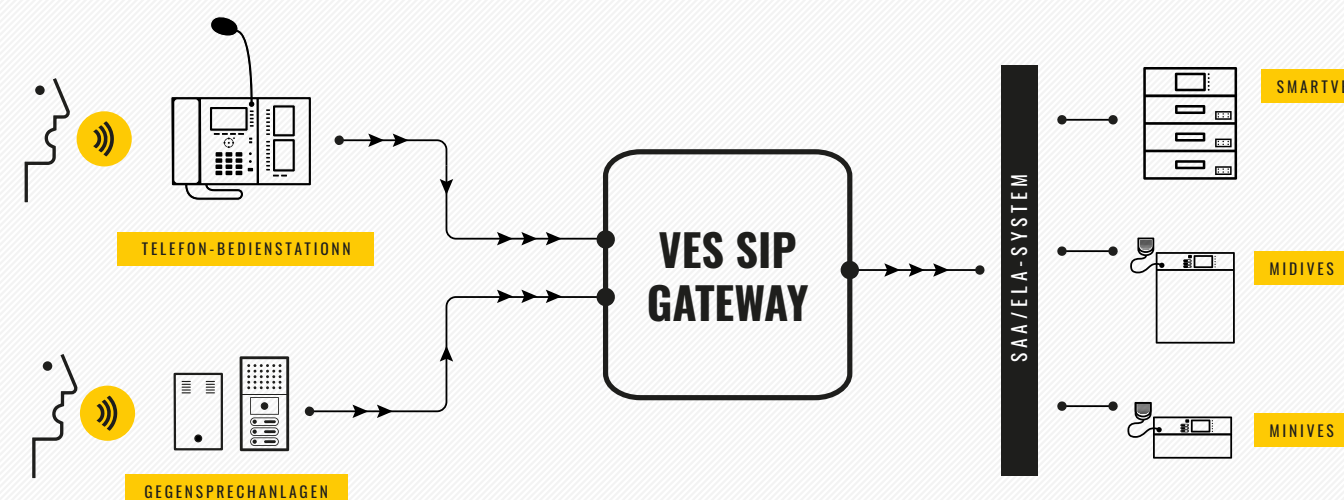
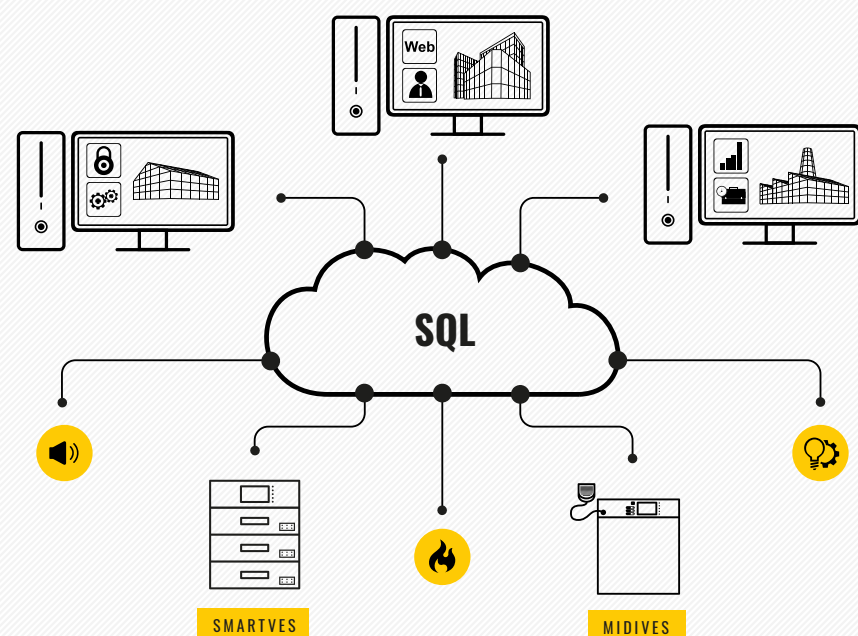
ABT VES-SIP GATEWAY is also a network player of voice messages with a schedule function. This player can be managed in a simple and intuitive way via a web browser, eliminating the need to program the schedule of general messages from the PA/VA configuration software.

### CHARACTERISTICS

- Providing a graphical interface to the initial configuration;
- integration with third party systems;
- audio call recording;
- schedule of events;
- connection setup with VES systems via SMS protocol;
- the basic supported codecs are G.711u and G.711A.

### MAIN FEATURES

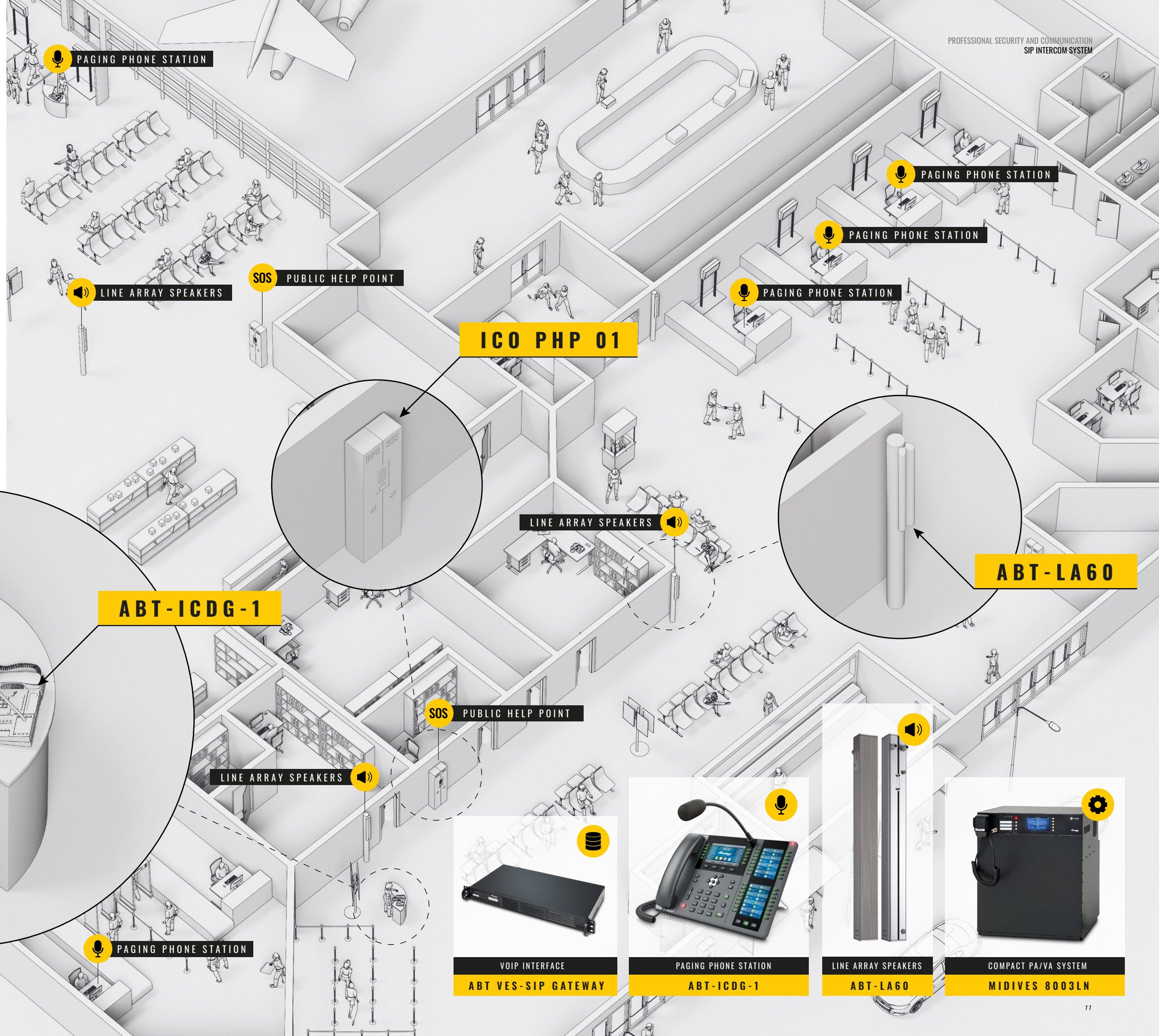
- ✓ digital integration of PA/VA and VoIP systems;
- ✓ integration with mobile devices;
- ✓ player with schedule function;
- ✓ recording the audio content of messages;
- ✓ queuing and buffering of messages.





# Terminal

Broadcasting at an airport terminal can be complex as there is a need to manage a large number of messages. These are generated by the gate service and the travel information system. The messages are often addressed to the same or adjacent zones in quick succession or at the same time. Unlike ordinary broadcasting systems, intercom is equipped with mechanisms for buffering and queuing messages that will be automatically announced in the zone when it becomes available.



**ABT-ICDG-1**

**ICG PHP 01**

**ABT-LA60**

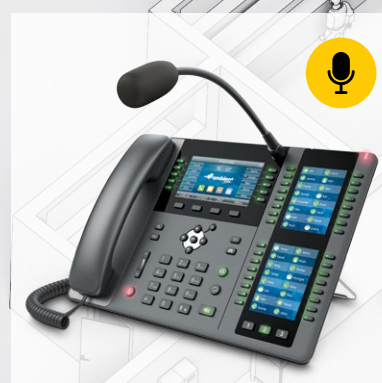
**PAGING PHONE STATION**

**LINE ARRAY SPEAKERS**

**SOS PUBLIC HELP POINT**



VOIP INTERFACE  
**ABT VES-SIP GATEWAY**



PAGING PHONE STATION  
**ABT-ICDG-1**

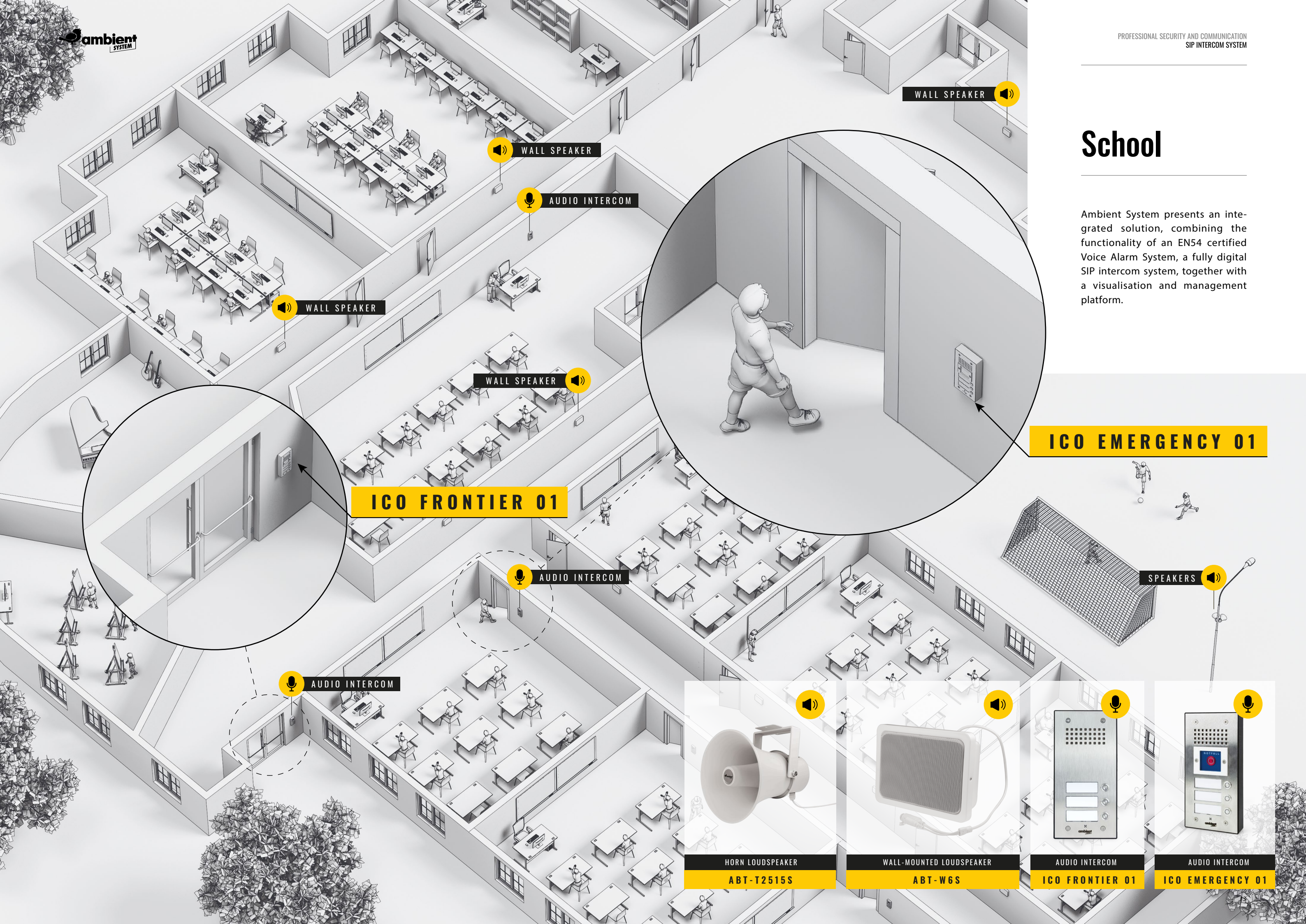


LINE ARRAY SPEAKERS  
**ABT-LA60**



COMPACT PA/VA SYSTEM  
**MIDIVES 8003LN**





WALL SPEAKER

WALL SPEAKER

AUDIO INTERCOM

WALL SPEAKER

WALL SPEAKER

ICO FRONTIER 01

AUDIO INTERCOM

ICO EMERGENCY 01

SPEAKERS



HORN LOUDSPEAKER  
ABT-T2515S



WALL-MOUNTED LOUDSPEAKER  
ABT-W6S



AUDIO INTERCOM  
ICO FRONTIER 01



AUDIO INTERCOM  
ICO EMERGENCY 01

# School

Ambient System presents an integrated solution, combining the functionality of an EN54 certified Voice Alarm System, a fully digital SIP intercom system, together with a visualisation and management platform.



# Intercoms for Industrial Applications

Intercoms intended for industrial applications must be adapted to work in harsh environmental conditions. In addition, the communication system should ensure voice intelligibility even in the face of extreme noise levels.

ICO INDUSTRIAL is an intercom designed to work in demanding conditions, made of coated plastic, resistant to impact and temperature. The device is equipped with advanced algorithms that improve the quality and intelligibility of the conversation. It will work wherever communication is difficult.

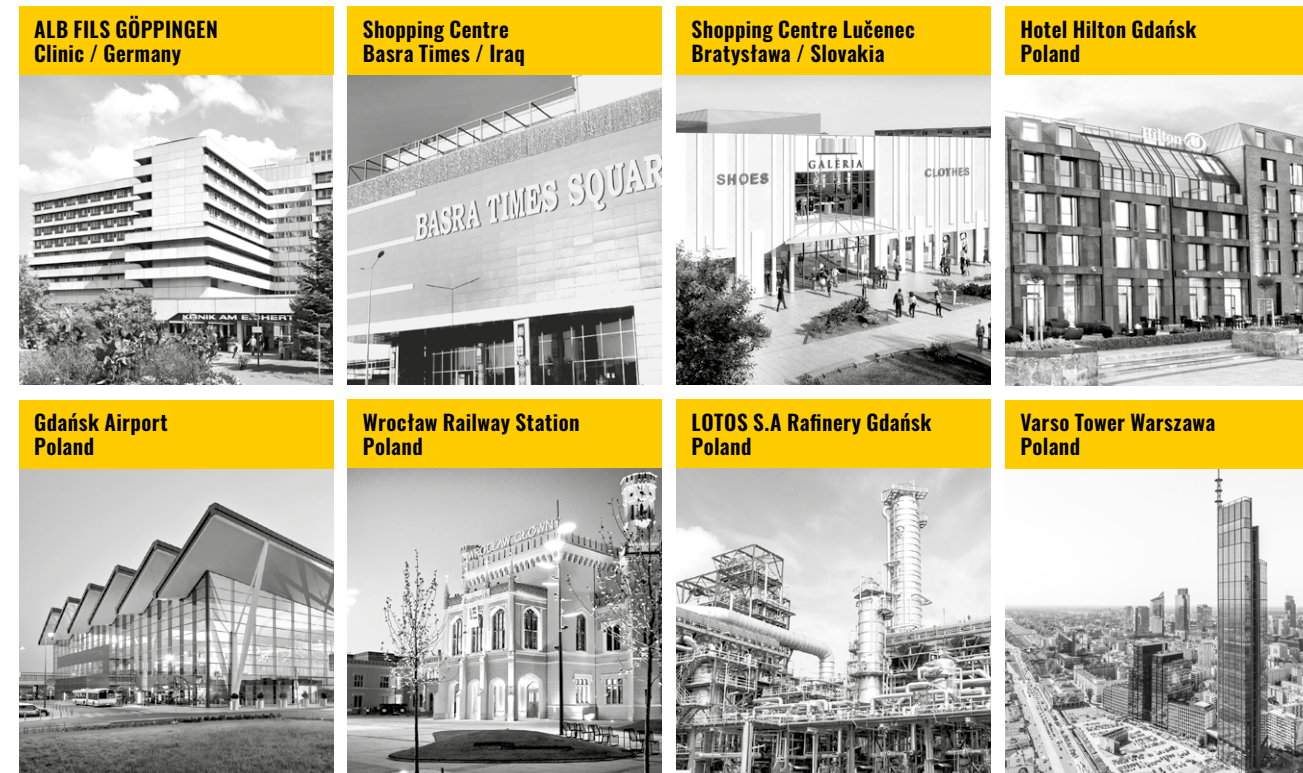
## MAIN FEATURES

- ✓ environmental resistant design;
- ✓ optional handset for acoustically challenging locations;
- ✓ advanced algorithms improving call quality;
- ✓ various colour variants;
- ✓ intuitive interface.



# References

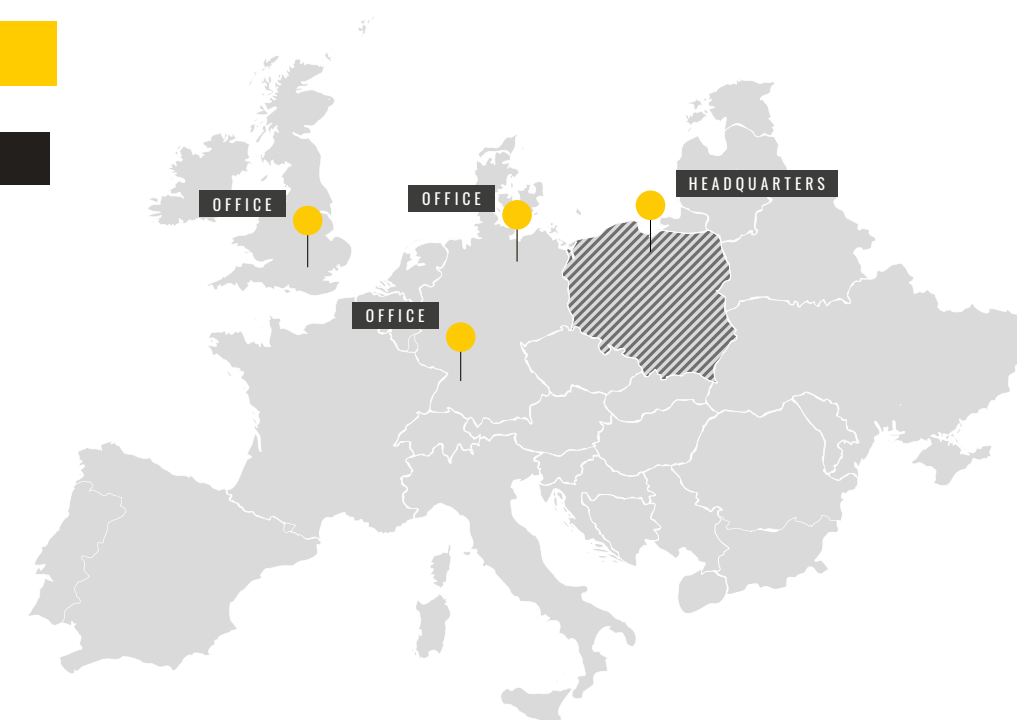
Ambient System has worked on more than 2000 objects, such as:



## CONTACT

### HEADQUARTERS

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*We make everyday life safer*

*Ambient System products are continually improved. All specifications are therefore subject to change without prior notice.* EN / 01.2023