



# Security Communication Platform

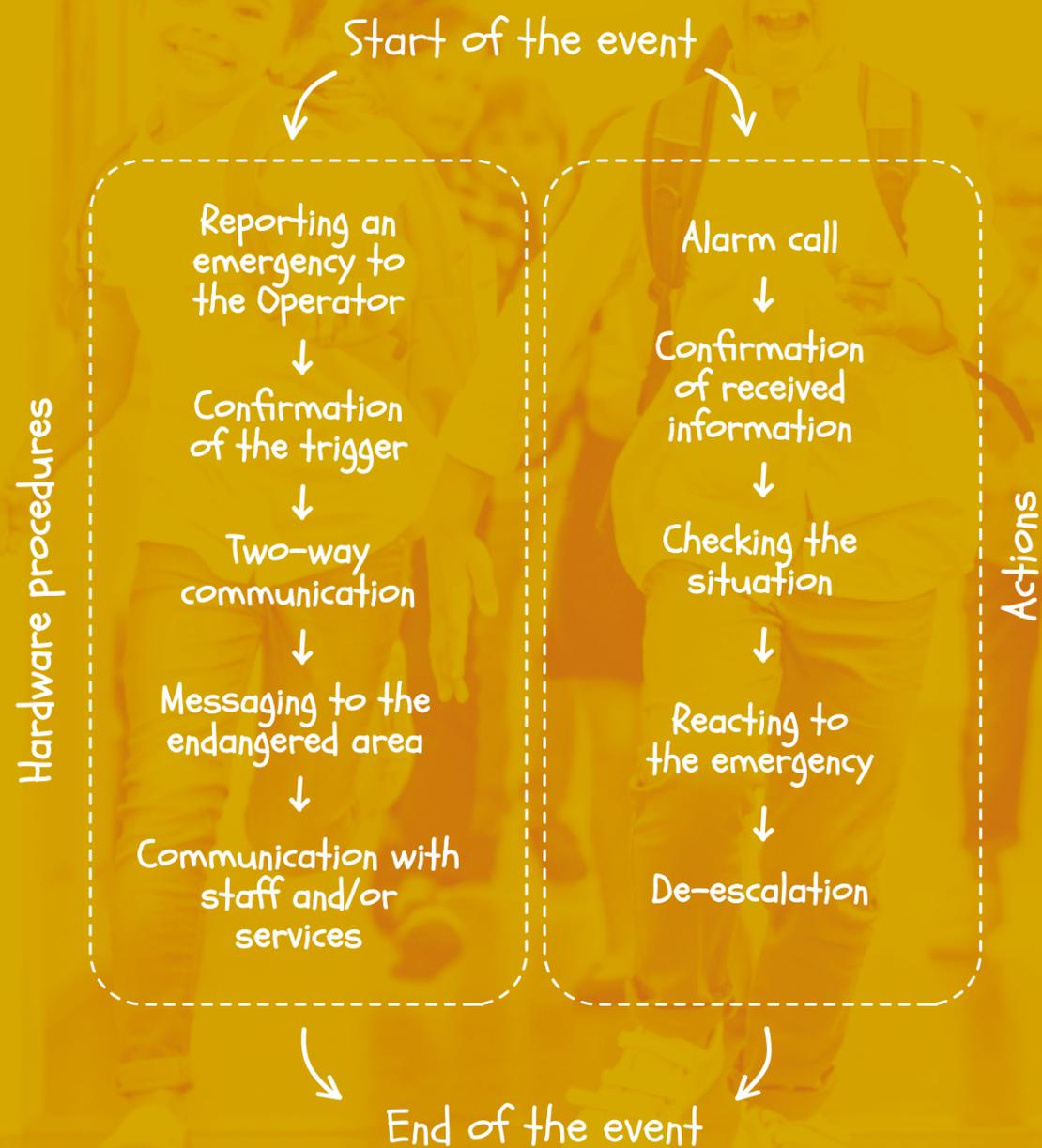
For school applications



We make everyday life safer



## Crisis management in accordance with DIN VDE V 0827



## Security Through Communication

The school is a place where security is essential. At the same time, it is a place extremely prone to health-threatening events and many other emergencies. In a crisis situation, the presence of children and adolescents will often result in disorder, or even panic.

In this situation, trained staff and the use of communication systems in an integrated security concept will play a key role, allowing staff to:

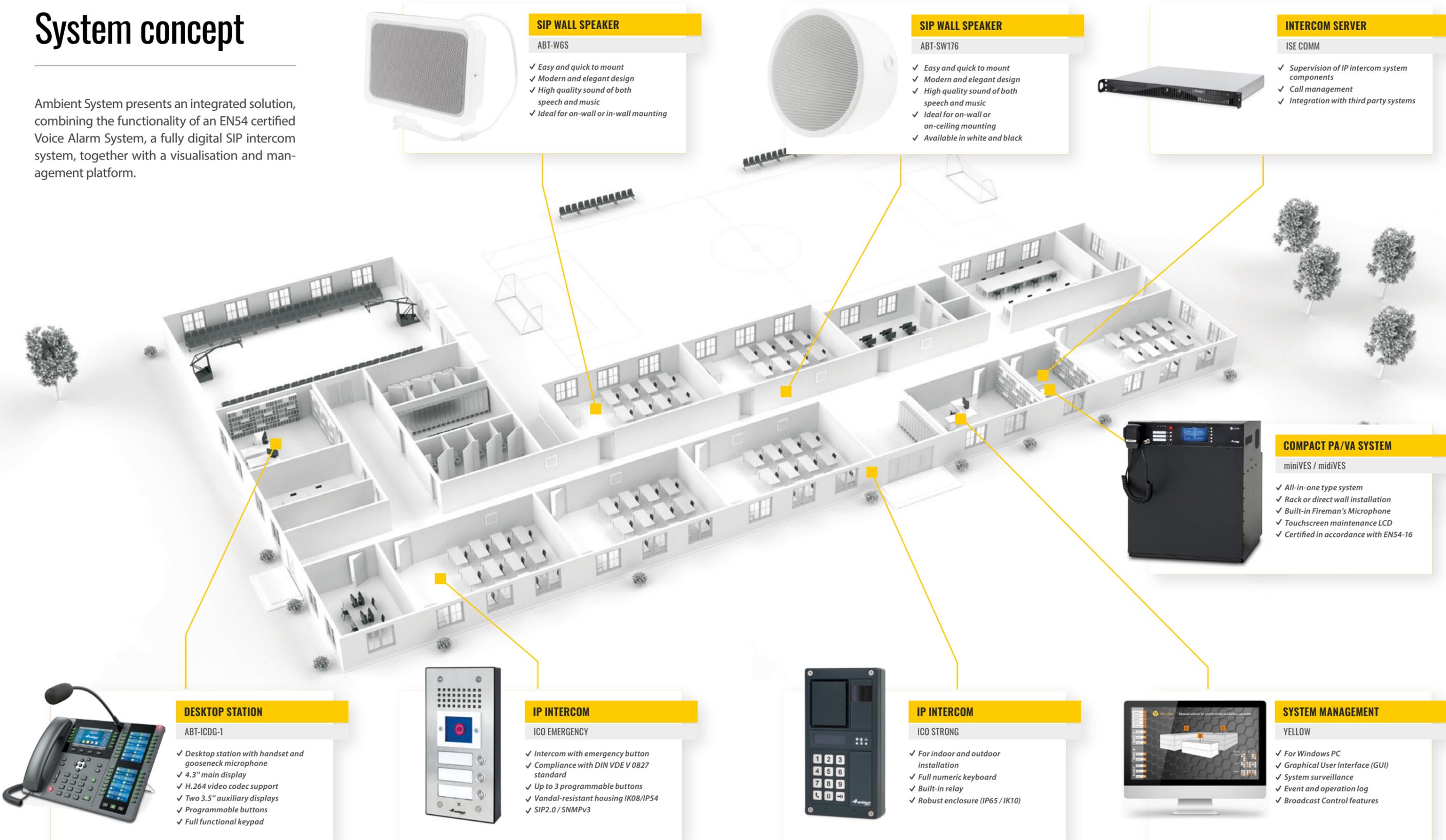
- implement crisis management procedures;
- provide fast information flow between school staff and the students;
- shorten the emergency reaction time;
- better react to the nature of the emergency.

To meet the challenges posed for Communication and Safety Systems, especially in schools, Ambient System has implemented a design concept in accordance with DIN VDE V 0827.

The concept combines an integrated Voice Alarm and SIP Communication System, to achieve maximum safety.

# System concept

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.



### SIP WALL SPEAKER

ABT-W6S

- ✓ Easy and quick to mount
- ✓ Modern and elegant design
- ✓ High quality sound of both speech and music
- ✓ Ideal for on-wall or in-wall mounting

### SIP WALL SPEAKER

ABT-SW176

- ✓ Easy and quick to mount
- ✓ Modern and elegant design
- ✓ High quality sound of both speech and music
- ✓ Ideal for on-wall or on-ceiling mounting
- ✓ Available in white and black

### INTERCOM SERVER

ISE COMM

- ✓ Supervision of IP intercom system components
- ✓ Call management
- ✓ Integration with third party systems

### COMPACT PA/VA SYSTEM

miniVES / midiVES

- ✓ All-in-one type system
- ✓ Rack or direct wall installation
- ✓ Built-in Fireman's Microphone
- ✓ Touchscreen maintenance LCD
- ✓ Certified in accordance with EN54-16

### DESKTOP STATION

ABT-ICDG-1

- ✓ Desktop station with handset and gooseneck microphone
- ✓ 4.3" main display
- ✓ H.264 video codec support
- ✓ Two 3.5" auxiliary displays
- ✓ Programmable buttons
- ✓ Full functional keypad

### IP INTERCOM

ICO EMERGENCY

- ✓ Intercom with emergency button
- ✓ Compliance with DIN VDE V 0827 standard
- ✓ Up to 3 programmable buttons
- ✓ Vandal-resistant housing IK08/IP54
- ✓ SIP2.0 / SNMPv3

### IP INTERCOM

ICO STRONG

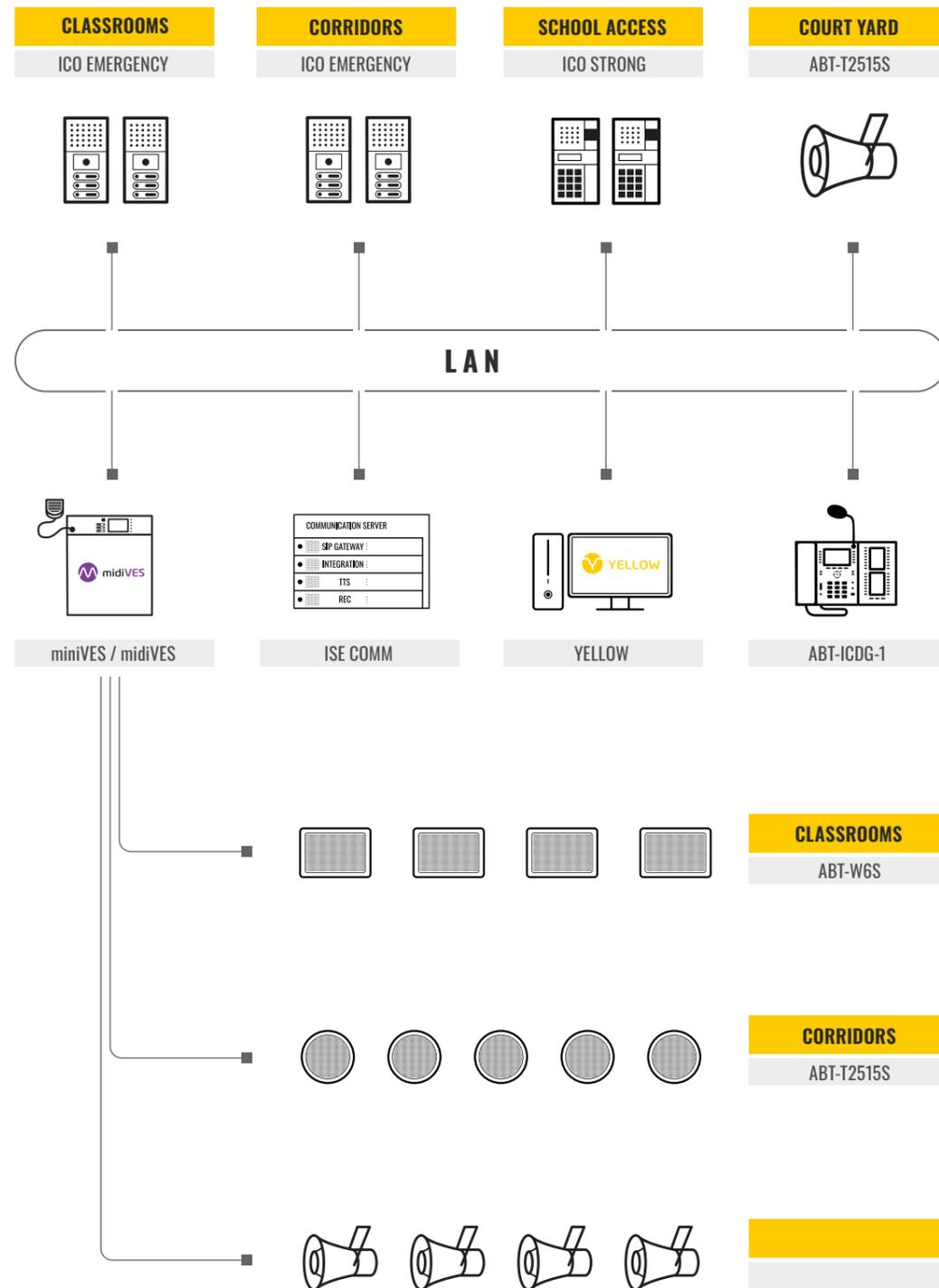
- ✓ For indoor and outdoor installation
- ✓ Full numeric keyboard
- ✓ Built-in relay
- ✓ Robust enclosure (IP65 / IK10)

### SYSTEM MANAGEMENT

YELLOW

- ✓ For Windows PC
- ✓ Graphical User Interface (GUI)
- ✓ System surveillance
- ✓ Event and operation log
- ✓ Broadcast Control features

# System diagram



# ABT-ICDG-1

- ✓ Desktop station with handset and gooseneck microphone
- ✓ 4.3" main display
- ✓ H.264 video codec support
- ✓ Two 3.5" auxiliary displays
- ✓ Programmable buttons
- ✓ Full functional keypad
- ✓ Headset connection possibility
- ✓ Built-in Bluetooth module



# ICO Emergency

- ✓ Intercom with emergency button
- ✓ Compliance with DIN VDE V 0827 standard
- ✓ Up to 3 programmable buttons
- ✓ Vandal-resistant housing IK08/IP54
- ✓ Acoustic monitoring of speaker-microphone path
- ✓ DSP functions: noise reduction, echo cancellation, automatic volume control
- ✓ SIP2.0 / SNMPv3





## YELLOW

YELLOW is a visualization and integration software for management of Voice Alarm Systems.

YELLOW creates a customisable Graphical User Interface, where the status of devices is presented in the form of graphics and objects, which allows easy system diagnostics.

The user interface also allows the control of functions related to broadcasting (matrixing, loudness, etc.).

Third-party system integration is possible via SNMP client or OPC server.

2x 320W, Up to 8  
speaker lines (4 Zones)

3x 500W, Up to 16  
speaker lines (8 Zones)

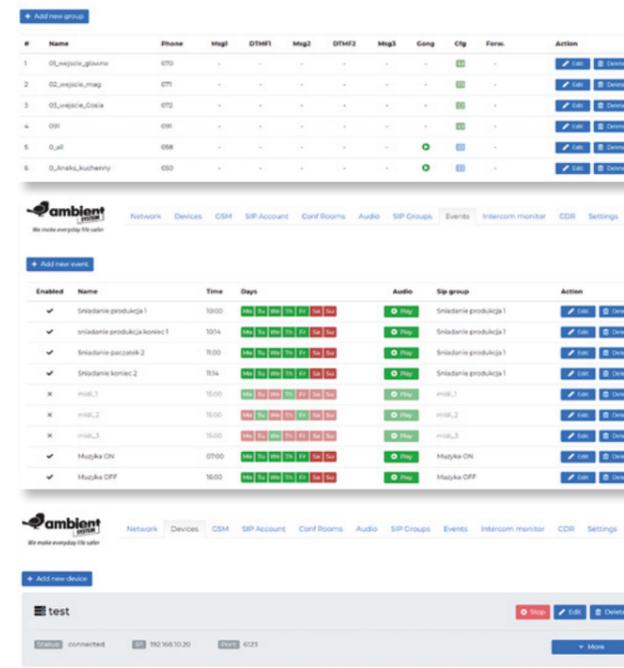


The miniVES and midiVES are all-in-one type compact networkable Voice Alarm system amplifiers.

They are designed for for small and medium facilities where there is a requirement for EN54 certified solutions. The units can also be used to create a large scale audio network.



## VES SIP Gateway



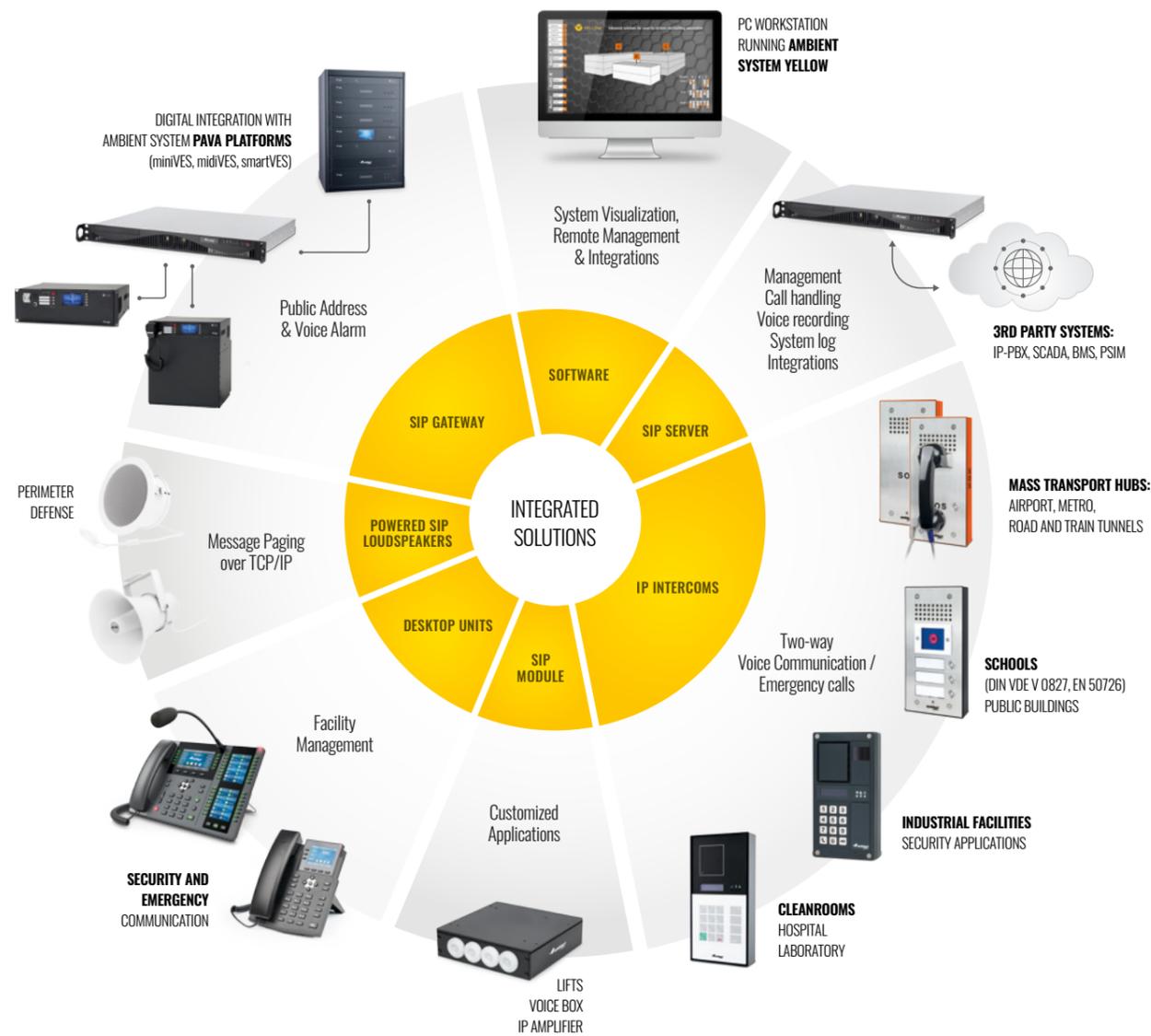
- ✓ User interface accesible by browser
- ✓ Creating broadcasting zones
- ✓ Ability to integrate with phone system via IP PBX
- ✓ Can be used in combination or without a SIP server
- ✓ Integration with Ambient System PAVA via system protocol
- ✓ Up to 16 simultaneous broadcasts
- ✓ Supports narrowband and wideband codecs

## ISE COMM

- ✓ IP Intercom system supervision
- ✓ Call management
- ✓ Integration with third-party systems



# Compatibility with other ABT solutions



The IP Intercom System is a modern and reliable tool for voice communication. Intercom integrated with the building's security systems enable the

streamlining of information flow and a reduction in response time to events. As a key element of communication and security, the system monitors

the operational status of connected intercoms, logs system events, and enables audio recording, ensuring comprehensive operational support.

# About Ambient System



More than **30 years** on the market.



More than **10000 references** in Poland, Europe and Middle East.



Manufacturer of **Voice Alarm and IP Intercom Systems.**



Supplier of **Fire Alarm Systems.**



**Professional support** with system design, acoustic simulations and system start-up.

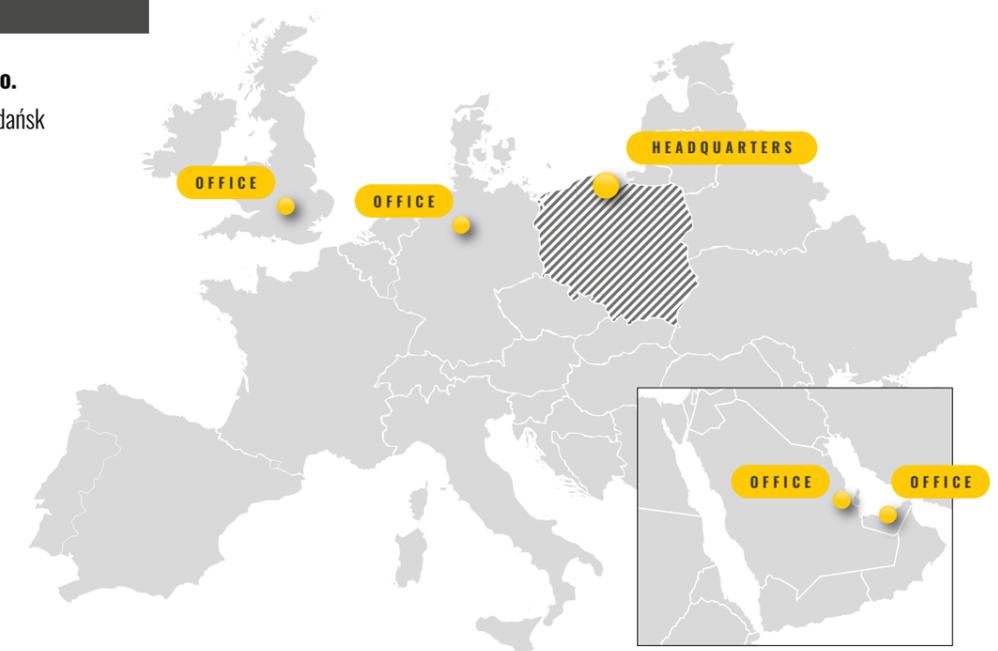


**Innovation and high quality products** with comprehensive support.

## CONTACT

### HQ

**AMBIENT SYSTEM Sp. z o.o.**  
ul. Bysewska 27 | 80-298 Gdańsk  
T: + 48 58 345 51 95  
ambient@ambientsystem.pl  
www.ambientsystem.eu





*We make everyday life safer*

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

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