



PAVA solutions for hotels: safety, comfort and efficient communication

- ✓ **Phased evacuation** and guest safety
- ✓ **Distributed architecture** and fibre optic installation
- ✓ **Scalability and flexibility** for complex hotel facilities
- ✓ **High reliability** and 24/7 operation
- ✓ **Energy efficiency** — essential for “green building” hotels

Why choose Ambient System solutions for hotels?

Hotels are multi zone facilities where the priority is to ensure guest safety, protect infrastructure and maintain smooth operational communication at all times. Public Address Voice Alarm Systems (PAVA) are a key element of safety management in hotels — from guest room floors, through the lobby and restaurants, to SPA areas, parking zones and large conference centres.

Ambient System solutions ensure **intelligible voice announcements, automated evacuation, full BMS integration and complete scalability** — which is crucial in buildings with fluctuating occupancy levels and diverse functional zones.

Modern hotels require systems that combine safety functions with everyday guest service. PAVA platforms — **smartVES, midiVES, miniVES** — provide:

- › Clear and intelligible voice messages during emergency situations
- › Phased evacuation, essential for multi storey guestroom areas
- › Integration with fire alarm systems, BMS and access control
- › High operational reliability through redundancy and battery backup
- › Support for hotel specific announcements (events, conferences, VIP routing, daily messaging)

PHASED EVACUATION AND GUEST SAFETY

Hotels require a tailored evacuation strategy — multiple floors, high room density and guests unfamiliar with the building layout. Phased evacuation enables the evacuation of the most endangered zones first, followed by subsequent floors, preventing overcrowding and panic.

DISTRIBUTED ARCHITECTURE AND FIBRE OPTIC INSTALLATION

Fibre optic connections used in Ambient System solutions eliminate voltage drop issues and reduce the need for thick

cabling. As a result, installation in hotels — often located in existing or renovated buildings — is faster, cheaper and more reliable.

SCALABILITY AND FLEXIBILITY FOR COMPLEX HOTEL FACILITIES

Hotels expand, undergo refurbishment and add new areas such as conference rooms or SPA zones.

Modular smartVES/midiVES/miniVES systems allow:

- › easy addition of new zones,
- › increased loudspeaker load,
- › system adaptation without extra amplifiers.

HIGH RELIABILITY AND 24/7 OPERATION

Hotels operate continuously. Ambient System solutions use redundant amplifiers, dynamic power allocation and battery backup for up to 72 hours, ensuring uninterrupted operation — even at night, during events or in case of power outages.

ENERGY EFFICIENCY — ESSENTIAL FOR “GREEN BUILDING” HOTELS

Highly efficient Class D amplifiers (80–85%) minimise energy consumption and support compliance with environmental building standards (e.g., BREEAM).

References

- » Mercure Szczyrk Resort, Szczyrk – Poland
- » Granaria, Gdańsk – Poland
- » Radisson Blu Hotel, Sopot – Poland
- » Grano Hotel Solmarina, Gdańsk – Poland
- » Raffles Europejski Warsaw, Warsaw – Poland
- » Hotel Crystal Mountain, Wisła – Poland
- » Nosalowy Dwór Resort & SPA, Zakopane – Poland
- » Hôtel Novotel Abidjan, Abidjan – Ivory Coast
- » Hotel SkyBay, Santorini – Greece