



PAVA solutions for office buildings: Safety and efficiency

- ✓ Phased **evacuation management**
- ✓ **Distributed** architecture
- ✓ **System scalability** and flexibility
- ✓ **Increased reliability** and safety
- ✓ Efficiency and **energy saving**

Why Ambient System solutions are the right choice for your project?

Public Address and Voice Alarm (PAVA) systems are fundamental for safety and crucial for effective evacuation management in modern buildings, especially multi-story ones. Due to the risk of large numbers of people gathering and limited evacuation routes, office buildings above 4 floors are legally obligated to have certified PAVA systems (compliant with EN 54 standard). These systems go beyond traditional alarm bells. They deliver clear, understandable voice instructions that are critical in emergency situations – be it a fire, bomb threat or other danger. What's more, they are excellent for daily operational communication within the facility, increasing its functionality.

PHASED EVACUATION MANAGEMENT

In high-rise buildings, preventing congestion on evacuation routes is key. Our systems enable phased evacuation by broadcasting messages to selected zones simultaneously. This ensures that only a few floors or areas evacuate at a time, significantly increasing safety and the fluidity of the process.

DISTRIBUTED ARCHITECTURE

We rely on fiber optic connections, which revolutionizes installation. We significantly reduce the amount of copper cabling and minimize voltage drops, allowing for the use of thinner wires. The result? Lower installation costs, shorter working times, and higher overall system reliability.

SYSTEM SCALABILITY AND FLEXIBILITY

Biurowce często powstają w koncepcji „Shell & Core”. Nasze systemy – smartVES, miniVES i midiVES – są modułowe, skalowalne i w pełni kompatybilne, co pozwala na tworzenie jednej, spójnej sieci audio. Niezależnie od tego, czy liczba głośników podwoi się w trakcie adaptacji wnętrza, nasze rozwiązania automatycznie dostosują się do zmiennego obciążenia w strefach. Eliminuje to potrzebę ręcznego doboru wzmacniaczy. To idealne dedykowane rozwiązanie, które odpowiada na potrzeby dynamicznych projektów.

INCREASED RELIABILITY AND SAFETY

Systemy DSO muszą działać bez zarzutu. Nasze rozwiązania oferują zaawansowane funkcje redundancji, takie jak zwiększony stosunek wzmacniaczy rezerwowych do operacyjnych oraz dynamiczne przydzielanie wzmacniaczy zapasowych. Dodatkowo, własne zasilanie bateryjne gwarantuje działanie przez minimum 72 godziny w przypadku awarii zasilania.

EFFICIENCY AND ENERGY SAVING

PAVA systems, though critical, consume energy not only during announcements but also in monitoring mode. Our fully digital Class D amplification systems feature high efficiency exceeding 80%, and for the smartVES system, over 85%. This makes them an ideal choice for “green buildings” and contributes to optimizing operating costs.

Our Projects

- » Varso Place, Warsaw, Poland
- » WarsawHUB, Warsaw, Poland
- » Warsaw UNIT, Warsaw, Poland
- » Warsaw Spire, Warsaw, Poland
- » Skysawa, Warsaw, Poland
- » Olivia Star Top, Gdańsk, Poland
- » Wave, Gdańsk, Poland
- » Brain Park, Krakow, Poland
- » Olszynki Park, Krakow, Poland
- » Santander Bank Headquarters, London, United Kingdom
- » Sky Office, Düsseldorf, Germany