



Compact and scalable PAVA solution based on the midiVES compact platform

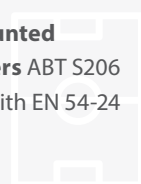
Kuortane Olympic Training Center is a leading multidisciplinary sports and training complex in Finland, supporting professional athletes, sports teams and international training programs.

As part of the modernization and expansion of the Kuortane Swimming Center, the facility required a reliable upgrade of its safety critical communication infrastructure. Ambient System delivered a new Public Address and

Voice Alarm System (PAVA) with a dedicated loudspeakers, designed to ensure clear communication and effective voice evacuation in a demanding aquatic environment.

Delivered equipment

- » midiVES compact PAVA system compliant with **EN 54-4** and **EN 54-16**
- » **Zone microphone**
ABT DMS for controlled announcements
- » **High power loudspeakers**
ABT HP200 for acoustically demanding areas
- » **Ceiling mounted loudspeakers** ABT S206 compliant with EN 54-24



WHAT WAS THE CLIENT'S OVERALL GOAL?

The client's primary objective was to improve safety and communication standards throughout the modernized swimming facility. A key requirement was the implementation of a dependable PAVA system capable of supporting both daily announcements and emergency voice evacuation. The solution needed to provide clear, intelligible messages in all areas of the venue, ensuring safe operation under normal conditions as well as in critical situations.

WHAT WAS THE SCOPE OF PROJECT?

The project scope covered the delivery of a compact, EN 54-compliant Public Address and Voice Alarm System tailored to the specific acoustic and safety requirements of a swimming pool facility. The system combined a certified PAVA platform with dedicated microphones and loudspeakers, forming a complete solution for everyday communication and emergency evacuation.

WHAT WAS THE DELIVERED SOLUTION?

Ambient System delivered a compact and scalable PAVA solution based on the midIVES compact platform, providing a reliable foundation for safety critical voice communication. The system was designed to address the challenges typical for swimming pool environments, such as high background noise and reverberation. Carefully selected loudspeakers and zone control microphones ensure that messages remain clear and intelligible, supporting efficient evacuation procedures and overall user safety.

HOW DOES THE SYSTEM WORK?

- » The system supports both routine public address announcements and emergency voice evacuation scenarios.
- » Voice messages can be broadcast to selected zones or the entire facility, depending on operational needs.

- » Zone microphones enable precise control over announcements and evacuation messages.
- » The PAVA system is designed for reliable operation in safety critical situations, supporting fast and organized evacuation.

SUMMARY

- » A modern swimming facility within Kuortane Olympic Training Center required an upgrade of its safety and communication infrastructure.
- » Ambient System delivered a compact,

EN 54-compliant PAVA solution tailored to the specific needs of an aquatic environment.

- » The system ensures clear, intelligible communication for both daily operation and emergency evacuation.
- » Dedicated zone control and appropriate loudspeaker selection support safe and efficient facility management.
- » The project highlights Ambient System's capability to deliver reliable PAVA solutions for complex sports and swimming facilities.

