

Case Study

Järvenskolan
in Katrineholm,
Sweden



From challenging acoustics to future-ready accessibility

How do you make a 75-year-old auditorium accessible to more people without compromising its historic character?

At Järvenskolan in Katrineholm, Univox deployed its first hybrid assistive listening solution in partnership with AB El & Säkerhet Sörmland, combining induction loop technology with Auracast. The result is a discreet system that supports telecoil-equipped hearing aids, cochlear implants and Auracast-compatible devices.

Background

Originally built as Tallåsskolan in the 1940s, today's Järvenskolan underwent extensive renovation between 2022 and 2024, including the construction of a new extension. During the project, Univox supplied induction loop systems for several shared areas of the school.



The original auditorium, formally inaugurated on Pentecost Eve in 1949, remains a central gathering space for students and the wider local community.

Challenge

The auditorium has long presented acoustic challenges, and the existing sound system did little to support people with hearing loss.

As the building is heritage-listed, the assistive listening system had to be installed without major structural changes.

Solution

A hybrid solution combines induction loop technology with Auracast.

The induction loop supports widely used telecoil-equipped hearing aids and cochlear implants, while Auracast streams audio to compatible devices, including hearing aids.

Portable receivers with headphones and neck loops ensure access for users without compatible devices.



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Implementation

A Univox SLS-7 loop amplifier drives the SLS system.

With no access beneath the front floor, the loop was installed in the rear tiered area, covering approximately 60% of the seating capacity. To keep it out of the way and protected from damage, the loop cable was surface-mounted on the vertical riser faces.

To complement the loop, the Auracast transmitter was mounted high on the auditorium's front wall, providing wireless streaming throughout the space.

Equipment used

Univox® SLS-7 loop amplifier

Bettear® B-Caster

Bettear® B-RTX Receivers with headphones and neck loops

Bettear® B-SmartHive smart charger

Key takeaways

Järvenskolan now has a more accessible auditorium without compromising its historic character.

By combining induction loop technology with Auracast, the project supports existing hearing aid users while introducing the next generation of assistive listening.

The project marks Univox's first hybrid assistive listening solution.

Project Credits

Client: Katrineholm Municipality

System design: Univox

Installation and commissioning: AB El & Säkerhet Sörmland

