

GENELEC®

CASE STUDY

**Performance and
critical listening
is enhanced by
Genelec at Lumit**

GENELEC DELIVERS
PROFESSIONAL-GRADE
SOUND FOR MUSIC
STUDENTS IN FINNISH
HIGH SCHOOL





LUMIT, SENIOR HIGH SCHOOL FOR ARTS IN KUOPIO,
RELIES ON GENELEC TO ENHANCE CREATIVITY



Established in 2015 in the thriving city of Kuopio in Central Finland, [Lumit](#) is the product of a merger between two senior high schools — Kuopio High School of Music, Finland’s first specialised high school for music and dance, and Minna Canth Senior High School whose speciality was the performing arts. In 2022, Lumit — now numbering around 600 students

from all across Finland — moved into a new, state-of-the-art building with high-tech facilities dedicated to the learning and practice of the performing arts. Earlier this year, the building witnessed a further upgrade, this time to its sound system with a range of [Genelec](#) smart active loudspeakers — which power the facility’s four music classrooms and studio.

” THE RESULTS ARE STUNNING. VISITORS TO THE SCHOOL ARE ALWAYS IMPRESSED WITH OUR AUDIO SYSTEMS!

Ville Heikkinen is a music lecturer and coordinator of the music studies department at Lumit, teaching band playing, music technology, music production, staging and lighting. In addition to teaching in the school's dedicated music rooms and studio, he is responsible for the maintenance of these spaces and also works closely with the school's in-house AV engineer on the upkeep of the three stages in the school. Indeed, Heikkinen was Lumit's planning lead for the music classes, studio and stages during the development of the new building, so the quality of the offering in these spaces is a subject very close to his heart.

“We were looking for an audio system that would provide high quality listening and also act as a great band PA,” explains Heikkinen. “I knew of Genelec, and had already used their loudspeakers in a studio environment, but I wasn't aware that they could be used

as a band PA. I was in touch with Henri Ulmanen from Genelec anyway, and when he heard about the new school project he got in touch, and we discussed what I was hoping to achieve with the audio system in the new building. Henri told me about Genelec's [S360](#) loudspeakers, and offered to provide us with a system for testing in our band class in the old premises — so that we could properly evaluate their performance as a band PA system.”

Ulmanen provided a pair of S360s and a subwoofer for a full month, enabling Heikkinen and his students to test the system with numerous bands and musical styles. “Frankly, it worked out great across all genres,” he confirms. “Initially I was a bit nervous about the short-term max SPL of 118 dB for the band — but in reality, even pushing it as hard as we could during our rehearsals, we couldn't make it peak out — and we tried pretty hard!”



” WE CAN NOW HEAR ALL THE TINY DETAILS AND NUANCES — IT’S AS THOUGH A VEIL HAS BEEN LIFTED FROM OUR EARS!

The S360 is an astonishingly versatile two-way loudspeaker that has found its way into studios worldwide thanks to its combination of high-SPL performance and compact size — and with a subwoofer, as was the case for Lumit, it becomes a formidable system that easily satisfies the demands of electronic dance music (EDM) playback. For this reason, the S360 has been embraced by clubs and live music venues, including the renowned Finnish [G LiveLab](#) in Tampere.

For Lumit, Heikkinen and his colleagues opted for a pair of S360s plus a [7380](#) subwoofer in the band rehearsal class, as well as the largest music classroom. In both instances the S360s are wall-mounted, while the subwoofer is in its own designated position on the floor beneath the wall furniture. In the main band room, they are connected to the rackmount mixer — and to a desktop mixing console in the second rehearsal space. “The Genelec

systems work fantastically well in the music and band classes,” enthuses Heikkinen. “The sound is perfect for listening to music, and at the same time we have an amazing sounding audio system for the bands. We also save a huge amount of floor space by having a single system that performs both roles, and having it mounted on the wall.”

In the other two music rooms that are more dedicated to listening — rather than playing and performance — there is a combination of wall-mounted [8330s](#) and the slightly larger [8340](#) two-way loudspeakers — complemented by a [7370](#) subwoofer in each room. Finally, in the studio, Heikkinen selected a pair of [8361](#) three-way coaxial studio loudspeakers — flagships of ‘The Ones’ range, which offer arguably the best acoustic performance of any studio loudspeaker in the world — combined with a 7380 subwoofer for a truly premium critical listening experience.



Heikkinen is thrilled with the results overall. “My colleague and I pretty much did the installation and all the wiring ourselves. However, Henri Ulmanen calibrated all of the loudspeakers for us via Genelec’s [GLM software](#), and the results are stunning. Visitors to the school are always impressed with our audio systems! We’ve virtually eliminated any feedback issues with the microphones, and all the keyboards sound amazing — we rarely require any EQ. Additionally, even though I was warned that the S360s don’t have a particularly wide dispersion, I’m amazed at how good and detailed the sound is everywhere in the class. Finally, speaking of detail, we get so much more information out of the music compared to listening through regular band PAs. We can hear all the tiny details and nuances that we never heard before — it’s as though a veil has been lifted from our ears! It’s made a real difference to both the teaching and learning experience.”



THE KIT

- 4 x S360A
- 3 x 7380A
- 2 x 8361A
- 2 x 7370A
- 4 x 8340A
- 2 x 8330A
- 1 x GLM Software

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