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## CASE STUDY

# Hall's Connected Classroom Technology Powers Istanbul University

*Aselgrup and Hall partner to outfit 38 classrooms for hybrid learning*

Name of Project/Area: İÜ BIOLOGY ENGINEERING FACULTY

Location (City, State): FATIH - ISTANBUL

Start date: JUNE 2021

Completion date: MARCH 2022

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## ABOUT

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Founded in 1453, a day after the conquest of Constantinople by the Turks, Istanbul University is one of the world's oldest universities. At present, there are more than 69,000 undergraduate, graduate, and doctoral students studying a variety of academia. The main entrance gate, in a style reminiscent of Moorish architecture, stands as it has for more than 150 years, with impressive influence from the Roman and early Byzantine empires. Not only is Istanbul a top-ranking school in Europe and Central Asia, but also has a notable faculty and alumni including presidents, prime ministers, and other political dignitaries, writers, musicians, and scientists.

Project partners Hall Technologies, and the Aselgrup were challenged with melding old-world style and modern-day technology for the university students and faculty represented.



## CHALLENGE

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Within Istanbul, a city that links Europe and Asia, lies the 500-year-old Istanbul University in the heart of Turkey. The Biology Sciences Building houses seven departments located spanning more than 27,000 sq meters of space. The building required a recent technology upgrade to provide connectivity for its classrooms for both in-person and distance learning scenarios. The Istanbul University Biology Faculty building houses 7 deans, along with hundreds of their academic teams and university students.

The challenge was to bring the building and classrooms up to speed with a fully automated solution that could control content, audio, and video without relying on DSP mixers or video processors.

## APPROACH

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Aselgrup partnered with Hall Technologies to create the first of its kind smart building at the historical Istanbul University. With a vision of a connected classroom, Aselgrup and Hall Technologies outfitted the building's 38 classrooms with Hall's EMCEE200 product connected to an Epson projector. Seventeen of the rooms were also connected with camera systems for accessible remote learning for students.

The EMCEE200 is a multi-view switching device primarily used to tile images of a PC, a teacher's laptop, and classroom cameras. It hosts via its picture-in-picture and picture-over-picture features. The faculty use Shure stage microphones and wireless Lavalier microphones that connect to the EMCEE200 to live stream the teacher's presentations with seamless audio and video.

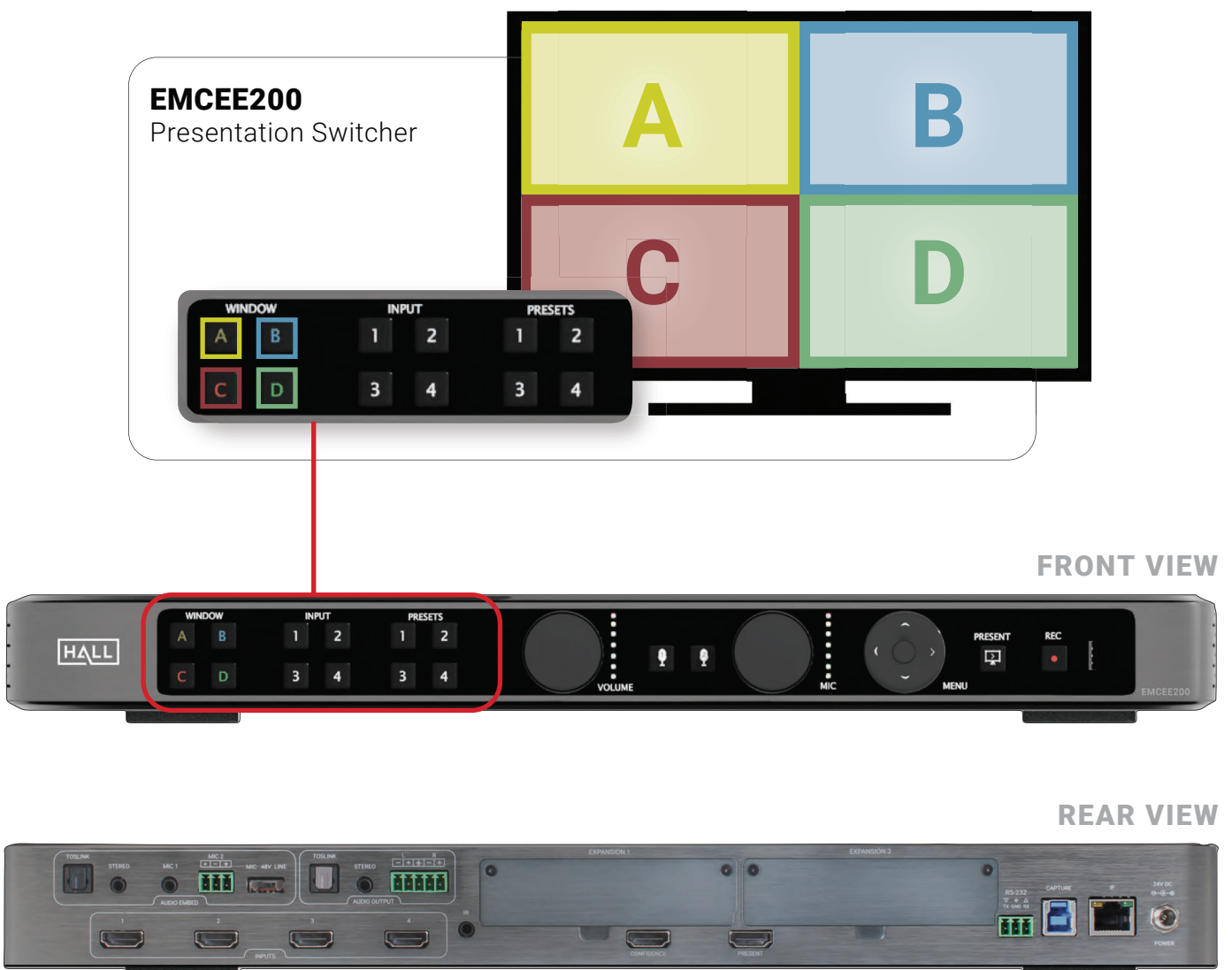


Istanbul University - Istanbul, Turkey

## RESULTS

After its' debut at ISE in 2022, the EMCEE200 emerged as the clearcut leader for the Istanbul University project. The EMCEE200's functionality for managing challenges inherent in video conferencing, collaboration, lecture and remote learning scenarios, and live streaming for YouTube, Facebook and OBS platforms, made it a natural choice. The seamless Multiview presentation switcher processes up to four 4K@60 video sources with zero latency and a built-in dual MIC mixer. EMCEE200 can not only record the teacher's presentation to an external storage device, but also provides USB3.0 4K capture to stream live with no additional hardware needed.

The EMCEE200 delivers the powerful and flexible technology that this iconic institution deserves. This solution ensures that faculty, students, and guests will all experience the control, audio and video needed to maximize the learning experience for everyone.



## PROJECT PARTNERS

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Integrator: **Aselgrup Sound Light and Visual**



Aselgrup, operating in 3 countries and consisting of seven companies, has been designing and delivering solutions in Smart Building and AV technologies for 23 years. Our only goal is to provide the most reliable product and service solutions for our partners and dealers. We work to fulfill the requirements of our valuable partners in the AV sector and to their end-users, whether large or small.

About [Aselgrup](#)



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