



CORVINUS UNIVERSITY

CASE STUDY

At the beginning of 2018, Budapest Corvinus University asked our company to redesign the entire AV system of Building B, which is currently being built on the Székesfehérvár campus, in order to create a uniform AV system on the Székesfehérvár campus, similar to the one in Budapest. Both the university and the general contractor chose our company to carry out the project. We Participated in the construction work from early 2019 and handed over the systems in the summer of 2019.

The main function of the building is educational, with two large lecture halls for 160 and 80 people respectively, 8 seminar rooms for 20-40 people, a computer room for 40 people, a special sociological research laboratory, a conference room for 20 people, a library and two small consultation rooms.

The main criteria in the design of the systems were:

- It should be possible for each room to be operated independently with distributed control.
- With the exception of the auditorium for 160 people, the AV technology serving the rooms should be built into the instructor's table.
- Each instructor's table should include a built-in instructor PC and a cable management box with pull-out AV cables, 230V connection, and

2 USB connections for connecting a pendrive and wireless presenter.

- On each instructor's table, it should be possible to control the AV technology of the room with a push-button control panel integrated into the cable management box or, in the case of larger rooms, with a touch-screen control panel.
- For audiovisual content, a projector and wall-mounted speakers to the sides are preferred.

Large lecture hall for 160 people:

Prestigious auditorium with two frameless projection screens on side walls, and two high-brightness projectors, subceiling speakers, Crestron control center and touchscreen controller, wireless microphones, and a PTZ camera and accessories that can record and also stream the lecture.

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Large lecture hall for 80 people:

Unique-looking top-floor lecture hall with two motorized projection screens and two projectors, four wall-mounted speakers on the sides, a Crestron control center and touchscreen controller, and wireless microphones.

Seminar rooms:

Single projector classrooms with a projection screen or whiteboard for projection and dry-erase, and active speakers mounted on the sides.

Research laboratory:

Single projector lecture hall, with an acrylic lectern for the lecturer. A cable management box and a touch screen control panel were placed in the acrylic lectern. The AV technology was

incorporated into the furniture on the side of the room. A special feature of the room are the PTZ cameras in the 4 corners of the room. These can be controlled with a PTZ controller from the studio room behind the one-way mirror at the end of the room. The studio room has a Blackmagicdesign video switch and recording device with which the presentation material and the images of the cameras can be recorded. Thanks to the Crestron control system, the entire AV technology of the room can be controlled from the studio, the acrylic lectern, or even remotely. From the studio room it is possible to control a separate audio mix (microphones and video sound) for the room sound and the recorded sound material.

DEVICE LIST

- CRESTRON, KRAMER, EXTRON signal controllers
- CRESTRON and NEETS controllers
- EPSON projectors
- SCREENLINE projection screens
- AUDAC speakers and amplifiers
- PANCONNECT cable management boxes
- SENNHEISER microphones
- AVONIC PTZ cameras
- BLACKMAGICDESIGN video mixers and recorders

