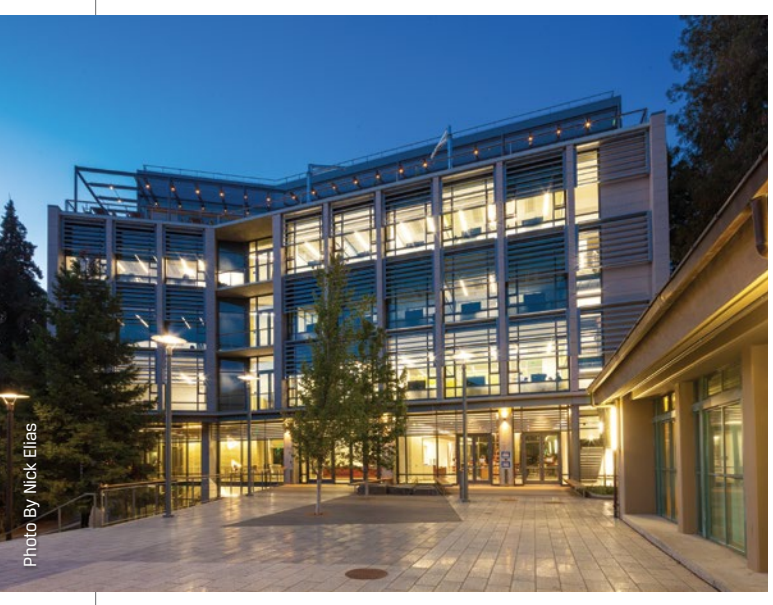
ICS-Integrated Communication Systems Installs AV At UC Berkeley Haas School Of Business To Support Digital Learning

ICS installed all of the audio visual in the tiered classrooms, including projectors, speakers, video conference capability, as well as lecture capture and screen sharing technology.

Photo By Nick Elias

ICS-Integrated Communication Systems recently completed the installation of innovative AV technology for a new building on the Haas School of Business Campus at UC Berkeley.



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ICS installed the innovative AV technology for a new building on the Haas School of Business Campus at UC Berkeley.

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ICS wired the event control room, which enables the AV system and facilitates the transfer of content to any other lecture space within the building.

The installation for the Connie & Kevin Chou Hall, a just-built student-centered academic building, is designed to enhance learning and foster collaboration and demonstrates how technology can work to support digital learning. The new academic building will serve as a learning laboratory featuring state-of-the-art technology and flexible spaces aimed at transforming the student experience.

The six-story AV project includes an ICS-installed 10g fiber network which handles all video, audio, and control. The AV systems supports eight tiered lecture spaces; seven flex classrooms; 31 breakout rooms (for impromptu collaboration); a café and a large event space that seats 180. The building is located on the northeast edge of the Haas campus.

"ICS is proud to support Berkeley-Haas in its focus to advance the learning environment for higher education through these forward-thinking AV installations," said Aaron Colton, CEO of ICS-Integrated Communication Systems. "This project has been identified as a technology and learning model for other business schools on the UC and Cal State campuses."

The project architect is Perkins+Will. TEECOM is the technology consultant. The ICS project manager is Mark Berlo.

ICS expedited collaboration among students and faculty members through the installation of a Solstice wireless presentation system in all the classrooms and breakout rooms (used for group study). Solstice, manufactured by Mersive Technologies Inc., enables multiple users operating a range of devices to connect simultaneously to a shared display over a Wi-Fi or Ethernet network by entering their access code.

With a Solstice-enabled display in the room, up to eight simultaneous users can instantly connect, share, and control the display, which fosters collaboration and decision making. The content is projected onto the screen and microphones (equipped with touch LED rings) capture student interaction as well as the entire classroom's feedback.

The system incorporates an Optex® Redscan tracking device, an infrared laser system that uses cameras in two corners of the room to track teachers recording their interactions with students during lectures. The Evertz® IP video records the lecture, using the new HDMI IP switching and distribution system.

The tiered lecture spaces are also equipped with video conference capability and lecture capture technology. A feature rich Panopto® video conference system is installed in the tiered lecture spaces. It has the ability for students

The event space is equipped with a 22' x 9.5' Primeview LED video wall, which uses LED video tiles.

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to remotely access past and present lecture content. The Panopto records all of the metadata information for the video capture automatically, based on the teacher log in, the scheduling of the room, and the content for the class. The students can then go back and review the lecture online at their own convenience.

The event space, located on the top floor, is equipped with a 22' x 9.5' LED video wall manufactured by Primeview that transmits clear, crisp bright images. This large format display was created using LED video tiles. The space is designed to accommodate a variety of uses, such as student meetings, presentations, and entertainment.

The video wall features an RGB Spectrum windowing processor, which can receive multiple live video streams in different formats, and convert them to be seen on the video wall in any one of four different windows that can be created.

Most of the video wall operations are set up through presets on a Crestron touch panel. The event space uses the Evertz® video transmission/distribution system, which is patched into the control room.

ICS installed a QSC QSYS audio redundant Core DSP system using Dante IP audio for transport. The entire AV system is interconnected to a matrix of centralized control rooms which facilitates the ability to transmit the activities in any teaching space to any other lecture spaces within the building.

For more information about ICS-Integrated Communication Systems (ICS) and its audio video services, contact Justin Gamble, Director of the AV Division (justin.gamble@ics-integration.com) or call (408) 491-6000.

ICS-INTEGRATED COMMUNICATION SYSTEMS TEAM LIST

HAAS SCHOOL OF BUSINESS CAMPUS, CONNIE & KEVIN CHOU HALL, UC BERKELEY:

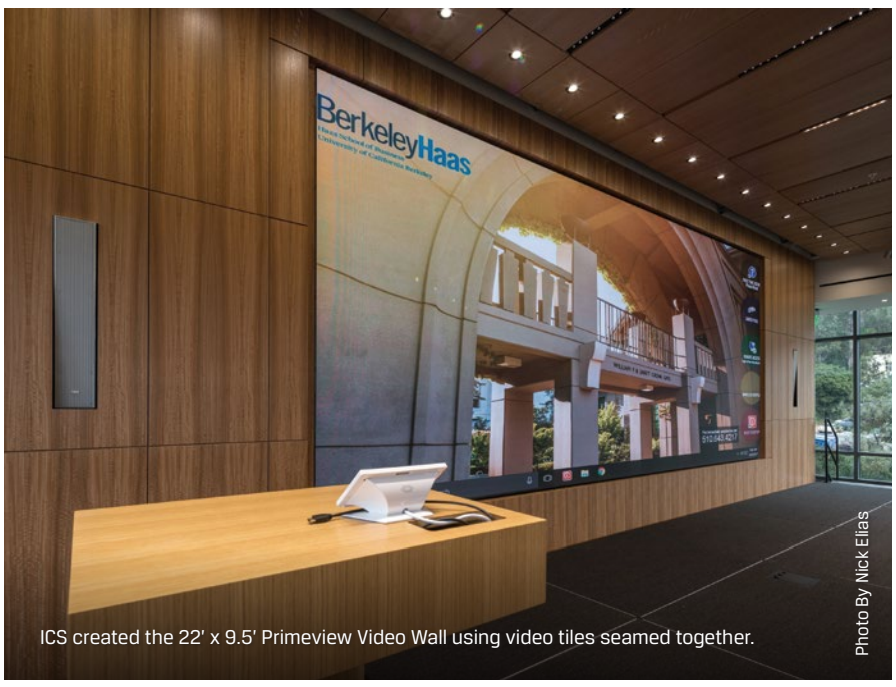
OWNER:
University of California, Berkeley, gifted from the Partnership for HAAS Preeminence

ARCHITECT:
Perkins+Will

GENERAL CONTRACTOR:
Vance Brown Builders

AUDIO VIDEO CONTRACTOR:
ICS–Integrated Communication Systems, San Jose
Mark Berlo, Project Manager

AV TECHNICIANS-INSTALLERS:
Members of the International Brotherhood of Electrical Workers(IBEW) Local 332, San Jose
David McKinnon, Lead Senior Technician
Jarod Fontaine, Co-Lead Senior Technician



ICS created the 22' x 9.5' Primeview Video Wall using video tiles seamed together.

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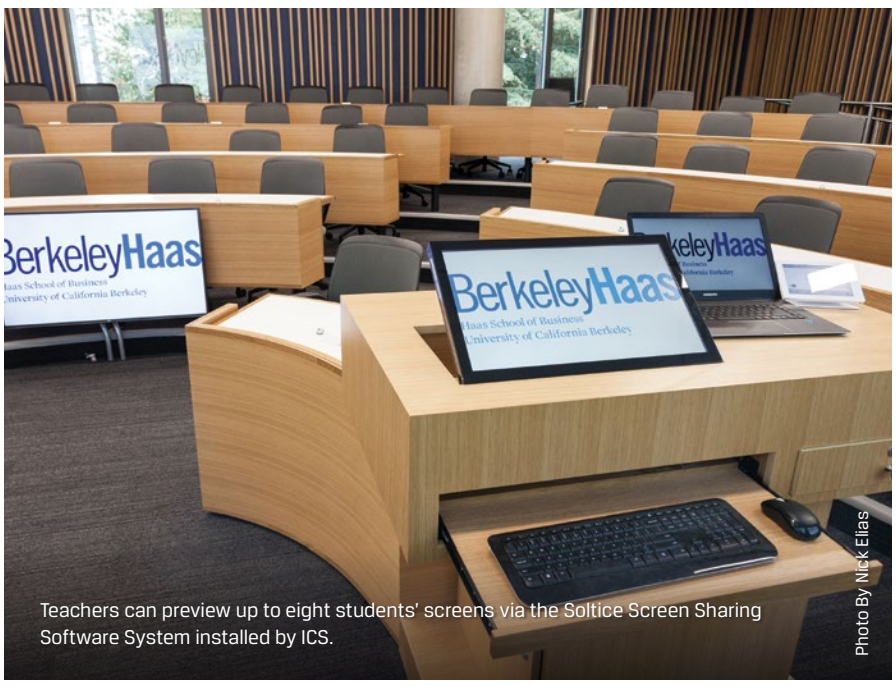

Teachers can preview up to eight students' screens via the Soltice Screen Sharing Software System installed by ICS.

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