Financial Theory Using Distinctive, State-of-the-art Techniques

 Messiah College Main campus located in Mechanicsburg Pennsylvania, just a few miles away from the state capital Harrisburg. Located on the main campus is Frey Hall which was initially completed in 1991, Frey Hall houses classrooms, a large lecture hall, art studios, computer labs, engineering and physics labs, and faculty offices. A new 18,442 square-foot addition, which began in April 2014, was completed in early February 2017. Architect for the project was Greenfield Architects which is located in Lancaster Pennsylvania.

Ralph S. Larsen Finance Lab
To prepare students for exciting careers in finance, the Ralph S. Larsen Finance Lab will equip students with state-of-the-art technology and market data in a Wall Street trading floor atmosphere. Students will become proficient with how to use a Bloomberg terminal to research historical and real-time data on stocks, bonds, economic indicators, foreign currencies, commodities and options.

The Ralph S. Larsen Finance Lab contains 26 computer workstations with dual monitors and instructor podium; 10 Bloomberg Professional terminals; three large-screen televisions showing CNBC, Bloomberg and other financial markets media; and a stock ticker continuously displaying market information.
An Extron Electronics DTP CrossPoint 84 was chosen to be the core matrix and distribution signal backbone since it would meet the demanding needs required by this teaching environment and layout. An Extron DTP HDMI 4K 230 Tx was installed at the main pc to feed the system and one DTP T UWP 232 D two input DTP transmitter for HDMI and VGA with audio embedding wall plate was placed near the teacher for guest laptop connectivity.

Finance Lab
Photo of the three flat screens for viewing live financial markets within the lab. A closeup picture also shows the Vaddio Conference SHOT 10 PTZ camera used during connected class experiences. And a view of the live financial data on the ticker being displayed outside of the lab.

The primary display is an 80-inch Sharp LED touch enabled display located behind the teacher station and three 55-inch LG LED flat screens are located on the exterior wall pillars for student collaboration. Each display is receiving content via an Extron DTP HDMI 4K 230 Rx DTP receiver via HDMI connection.
Additional video sources for the lab include a Mersive Solstice Pod which enables multiple users to connect simultaneously to the system and share content, fostering collaboration and decision-making. And four Premier digital TV tuners providing media from broadcast financial markets with realtime data to engage the students.

For the heart of the audio within this space, the QSC Core 110f was the clear answer. Room audio is feed to the core using a Shure MXA910W ceiling microphone array. Eight Bose Free Space 16 ceiling mounted speakers were installed to provide distributed audio within the space.

The Extron Pro 720T a 7” Tabletop TouchLink Pro touch panel was chosen to manage this teaching environment making the workflow and function user friendly.

“The Ralph S. Larsen Finance Lab and its technology has revolutionized the classroom experience. The Mersive Solstice pod allows the students to engage with the course content by displaying their screens on one of the classroom monitors while the professor can alternate what’s displayed on the remaining three monitors. The Touchpanel at the teachers station allows me to seamlessly introduce new content on each of the monitors in a way that stimulates student learning which enhances the educational experience”

- Dwayne Safer, Assistant Professor of Finance

About Messiah College
Messiah College is a nationally ranked, private Christian college with a student body of 3,305 undergraduate and graduate students. Located in Mechanicsburg, Pa., Messiah is just 12 miles from the state capital, Harrisburg. The College was founded in 1909 by the Brethren in Christ Church.

For more information, visit https://www.messiah.edu

About Greenfield Architects
Greenfield Architects Ltd. was founded in 1990 and is an affiliate of High Real Estate Group LLC. As part of an organization that also develops, owns, and operates a portfolio of more than 9 million square feet of commercial, industrial, hospitality, retail, and multifamily properties, we bring unsurpassed experience and expertise to facility design, construction, and energy performance.

For more information, visit http://www.greenfieldarchitects.net
About JP Lilley & Son, Inc.
Established in 1928 as one of the nation's first audio visual companies and a founding member of NAVA (National Audio Visual Association) the predecessor to INFOCOMM International who recently became AVIXA (AudioVisual and Integrated eXperience Association).

JP Lilley has been providing rental & staging solutions and audio visual sales since it was established in 1928, of course at that time period it was 16mm film and projection being transported by horse and buggy throughout the streets of central Pennsylvania. Our rental and staging offerings have evolved into a full service AVL live event production company which elevates our clients' experiences with a creative twist.

In 1988 our audio visual sales transformed into a complete design, system integration and control system programming department which continues to offer state-of-the-art solutions to our clients throughout Pennsylvania and surrounding states.

Our staff continue to carry association and manufacturer certifications which include AVIXA, Chief, Extron Electronics, Crestron Electronics, AMX, ClearOne, SMART, Polycom, Cisco, and Columbus McKinnon just to name a few.

For more information, visit http://www.jplilley.com