MuxLab

AV and IT Work Seamlessly to Elevate the Student Experience at Mount Royal University with MuxLab's HDMI over IP Extender Kits

Success Story

MOUNT ROYAL
UNIVERSITY
1910

"The entire system is just seamless, and we used MuxLab's ProDigital Network Controller (500811) for the system configuration so that it's really simple to operate..."

C algary-based Mount Royal University boasts a rich history dating back more than 100 years. These deep roots provide the ideal pillar on which to build better experiences for students whether they be pursuing a traditional four-year degree or moving on to post-graduate development.

The campus's intimate classes of no more than 30 students provides the unique opportunity to receive a more personalized, intellectually engaging learning experience. Key to this experience is the University's newly unveiled Riddell Library and Learning Centre, dedicated to promoting an exceptional learning and researching experience for everyone. As the intellectual heart of the campus, the new library and learning centre houses several educational and teaching areas including classrooms designed for active learning experiences.

"Several student rooms can be combined or used separately in the new facility, and the University wanted a sustainable method of moving AV around the main room or each individual room to facilitate teaching," explained Paul Alegado, a Consultant

with Engineering Harmonics Inc. *"When we began specifying this project, I was already familiar with and had worked with MuxLab's AV over IP solutions. We were able to confidently recommend the AV over IP portion of the project knowing the quality of solutions available."*

Local reseller Matrix Video Communications Corp. supplied MuxLab's HDMI/RS232 over IP Extender Kit with PoE (model 500753), which sends hi-def AV from various sources to one or more displays via a 1GB Ethernet Switch. All equipment connects to the Kit's transmitters and receivers, enabling nearly unlimited combinations of point-to-point, point-to-multipoint and multipoint-to-multipoint configurations without long-distance cabling. All transmitters and receivers support PoE, eliminating power requirements, and one more cable, at both source and display locations. In the active learning classroom, there are six student tables in a circle with the teacher's station in the center, each equipped with a display and inputs for computers, laptops and smart devices. Using MuxLab's IP Extender Kits, the teacher can send the AV on that display to all six student displays, to just one display or to just a few. Likewise, each student can

send their AV content to one or many displays in the room.

"The entire system is just seamless, and we used MuxLab's ProDigital Network Controller (500811) for the system configuration so that it's really simple to operate. Basically, there are color coded buttons that move the AV around, so nobody has to think about what needs to go where. It's just very intuitive," added Alegado.

To make sure the entire system functioned optimally, Alegado had to work with the University's IT department, illustrating the increasing collaboration of these two areas. It's biggest concern was ensuring the network security was configured properly. Once that was cleared, the system was implemented almost immediately.

"The system works perfectly," added Alegado. *"We minimized cabling and the complexity that cable runs can bring, while keeping the project parameters well-defined, scalable and still really cost-effective. With this system, AV can go anywhere."*

About MuxLab: MuxLab is a leading designer of value-added connectivity solutions for the pro AV and broadcast markets. Since 1984, MuxLab has supported its main mission to provide customers with innovative, dependable and industry leading designs that are engineered in Canada. A forerunner of the AV over IP evolution, MuxLab continues to deliver comprehensive, game changing IP-enabled systems for both commercial and residential installations of all shapes and sizes.