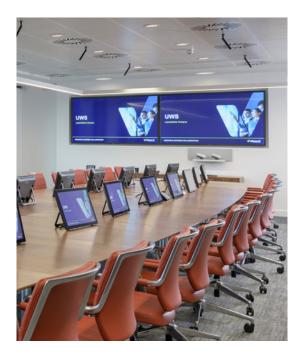# The University of West of Scotland

INTRODUCTION

The University of the West of Scotland (UWS) introduced a brand new campus designed to revolutionize learning and set a new standard for student engagement. The Lanarkshire campus, located at the Hamilton International Technology Park, features clever interior design and Crestron technology paired seamlessly to create a forward-thinking learning environment.

"THE LANARKSHIRE SITE WAS A BLANK CANVAS, PRESENTING THE IDEAL OPPORTUNITY TO INTEGRATE A POWERFUL CRESTRON SOLUTION AND POSITION THE UNIVERSITY AS A LEADER IN SMART LEARNING."

Finlay Wilson,
Technical Developer,
University of the West of Scotland

CRESTRON

THE CHALLENGE

The project had to be completed within four months to ensure it was ready in time for the beginning of term. It also needed to adhere to a strict budget. To get the job done, UWS worked hand-in-hand with York-based AV integration specialists, Visavvi, who managed the project and helped the university deliver an engaging educational facility.

"We wanted to be innovative in the way we used technology. Our spaces needed to be versatile and multi-functional, so flexibility was key when looking for a solution," says Finlay Wilson, Technical Developer at the University of the West of Scotland.

"WITH DM NVX NETWORK AV TECHNOLOGY AT THE CORE OF THIS INTEGRATION WE COULD GUARANTEE THE BEST RESULTS FOR BOTH LECTURERS AND STUDENTS."

Colin Firth,
Account Manager,
Visavvi

THE SOLUTION

Cutting-edge Crestron DM NVX™ technology underpins a powerful and multi-functional solution that connects sources throughout the campus for quick, reliable, and intuitive AV control. Crestron touch screens provide intuitive one-touch room control via a custom designed user interface. Crestron Fusion® enterprise management software provides system managers with a scalable solution to monitor, manage, and control room technology campus-wide.

CRESTRON

In total, 65 spaces including learning suites, auditorium, a boardroom, gym, and the student union needed to be outfitted with technology. The solution needed to facilitate the multi-functional use of each space, linking rooms together if required. DM NVX was selected to serve as the AV distribution backbone for the campus. Due to the scale of this integration, over 100 DM NVX endpoints were deployed to provide secure, powerful, and scalable 4K signal routing throughout campus.

"With DM NVX at the core of this integration we could guarantee the best results for both lecturers and students – with performance, reliability, and speed being key factors. The aim was to create an environment where collaboration was encouraged – a space equipped with state-of-the-art technology that everyone would benefit from and enjoy for years to come," explains Colin Firth, Account Manager from Visavvi. "We've delivered this while also ensuring that the system can accommodate new technologies in the future."

When designing the new campus, the University wanted to create a multi-purpose facility with spaces that could quickly be adapted to accommodate groups of difference sizes, from 30 to 70 students. DM NVX gives lecturers the flexibility to manipulate the technology for different classroom layouts. Crestron TSW touch screens are mounted upon lecterns using stylish Crestron table top kits. This helps to facilitate the flexible use of each space and doesn't interfere with the removal of dividing walls. The Crestron touch screens also replace the need for a telephone, saving valuable space and minimizing clutter. Each touch screen is directly linked to the helpdesk, so lecturers can instantly request help or assistance at the tap of a button.

Visavvi were tasked with delivering an intuitive user interface (UI) that would require only minimal training for lecturers. Thanks to easy customization, Visavvi adapted the new Crestron UI to mirror a UI already in use in other campus buildings. As a result, it felt instantly familiar to staff at the beginning of term.

CRESTRON

Crestron Fusion software allows the university to remotely monitor, schedule, manage, and fault find their entire teaching and meeting spaces from a simple web-based user interface, making it accessible on or off-site. Crestron Fusion adds a layer of intelligence to turn a collection of individual rooms into a high performance, smart campus. It provides all the tools that AV, IT, and facility managers need including network room scheduling, remote help desk, global device monitoring, and data collection and reporting.

RESULTS

Thanks to Crestron, students and faculty are empowered by the very latest learning technology. The innovative spaces across the Lanarkshire campus are equipped with the tools instructors need to bring a new dynamic learning style to the classroom. This project is a shining example of how technology can reinvent the way people teach and learn both in the classroom and beyond.

"We set out to create an inspirational and futuristic 'sticky campus' that would give students all of the tools they need to be successful," says Wilson. "Crestron has played a key part in helping us achieve this goal. Students and lecturers enjoy quick and reliable access to the technologies they need to help them work and be entertained. The technology also adapts easily to room switches, multi-space lectures, and helps us to be more flexible in accommodating varying student numbers each day. As a result, we've seen an increase in room usage of up to 80% compared to the average room usage of 30% on other campuses. We are delighted with the results and the students seem to love the new campus, too. They want to stay all day!"

Featured Products

DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder
NVX-350

3-Series® 4K DigitalMedia™ Presentation System 350
DMPS3-4K-350-C

1:8 HDMI® Distribution Amplifier w/4K60 4:4:4 & HDR Support
HD-DA8-4KZ-E

4K DigitalMedia 8G+® Transmitter 302
DM-TX-4K-302C

AirMedia® Presentaion Gateway
AM-101

10.1 in. Touch Screen
TSW-1060-W-S

7 in. Touch Screen
TSW-760-W-S

DM Lite™ endpoints with HDMI® over CATx Transmitter w/IR & RS-232, Surface Mount
HD-TXC-101-C-E

Crestron Avia™ 12x8 Digital Signal Processor w/ Dante™ audio networking
DSP-1283

Crestron Fusion® software

CRESTRON