



COMMERCIAL CASE STUDY

£10.3 million South West Institute of
Technology (SWIOT) at Exeter College
revolutionizes education.



The South West Institute of Technology (SWIOT) Digital and Data Centre at Exeter College is a new £10.3 million building in the heart of the college, built to revolutionize digital, engineering, and manufacturing technology education. The state-of-the-art facility will provide students with opportunities in the digital sector, including courses around data analytics, cyber security, and software development.

GVAV were tasked with implementing AV across a range of spaces, including a multi-use 100-seat lecture theatre with hybrid learning capabilities, multiple classroom spaces and three video walls situated in the reception area.

HIGH QUALITY AV

High quality audio and video were a priority for this project, and specialist solutions were required to implement this. In the lecture theatre, a solid ceiling meant that the usual 'go-to' solution of ceiling speakers were not an option, GVAV engineers overcame this by implementing QSC column loudspeakers. The QSC column speakers were an ideal alternative, using 16 drivers in a line array to give consistent coverage throughout the space. Because of the loud-

speaker's directional nature, audio coverage was consistent and of high quality throughout the space as per the College's requirements.

A JM Sentinel, height adjustable lectern was fitted to meet the clients' requirements. As a result, an AV over IP system was installed as a logical solution for an easy to operate system. By utilizing WyreStorm's NetworkHD 400 Series and with Dante audio compatible receivers, end users were able to move lecture positions with only a single cable. With network infrastructure that supports 10Gbps, GVAV were able to ensure 4K video and audio would be supported seamlessly, eliminating the need for complicated patch panels, while providing the option to expand the system in the future.



TOP CLASS COLLEGE FACILITIES

A Phillips 65" 18/7 4K UHD Display features as a confidence monitor mounted at the back of the theatre, alongside the PTZ camera. The PTZ camera enables users to select from a range of pre-set positions and gives complete zoom and pan control via the Extron 7" touch panel. Screen sharing and video from the camera can also be routed. This allows users to teach in range of hybrid learning situations and be able to utilize the high-quality AV hardware within the space.



AN IMPRESSIVE ENTRYWAY

In the bright and modern reception space, three videowalls, powered by NetworkHD were implemented to give the 'wow' factor to the entrance. This consisted of one central 4x4 UHD Videowall and two smaller 2x2 UHD Videowalls on either side, with the ability to display engaging College content from Brightsign 4K Mediaplayers. The system design also allows for content from the lecture theatre to be shown on the videowall, by using the Brightsign video-input feature.

The Brightsign players suited the clients desire to play interactive content, pull video streams from the lecture theatre and pull data streams from the college network to show on the videowall, such as

information about the solar power system located on the building's roof.

CONSISTENCY FOR COLLEGE TEACHING SPACES

18 x SBID-MX275-V2 were installed into the seminar rooms with a connection to an in-room PC and a HDMI and USB wall plate for visiting presenters. These are now standard across the college estate so that teaching is consistent in all spaces.

This project is an excellent example of how AV can be designed around individual requirements. The GVAV team are pleased with the implemented systems and are confident that it will help to provide an exceptional flexible learning experience for college students.

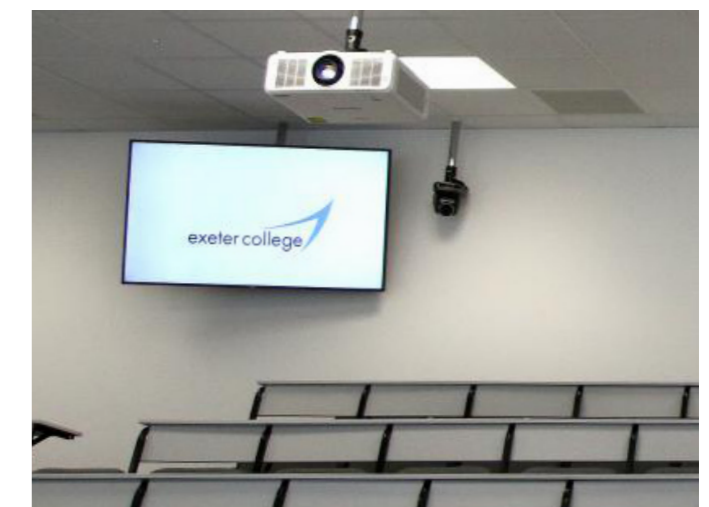
ABOUT THE INSTALLER

GVAV are a family business that started their journey more than 45 years ago. As quickly as technology has advanced, they have been at the forefront – embracing it and striving for excellence and driving innovation to provide extraordinary solutions for their customers.

With their Head Office in London and regional offices in Exeter, Coventry, Manchester, and Newcastle, GVAV are strategically placed to serve customers across the UK. They embrace 'the family' and the caring values that have been with them since the start.



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