X2O | media

OneRoom

CASE STUDY

Project in partnership with GVAV

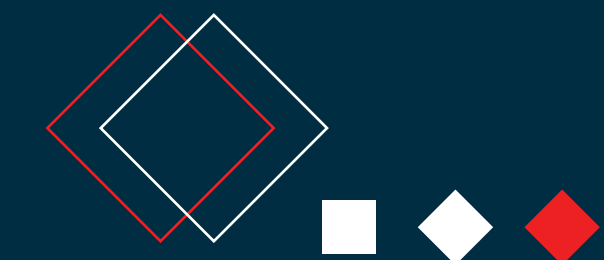Cardiff Business School Launches New Virtual Executive Teaching Suite Using X2O OneRoom

Project Overview

Within Cardiff University's Aberconway Building, is a recently launched Virtual Executive Teaching Suite (VETS), featuring pioneering new technology that will revolutionize the way Cardiff Business School are able to teach, meet and collaborate online.

X2O Media were delighted to work with GVAV on this OneRoom installation. The conception of this project arose from the requirement for an innovative learning space that could transcend the classroom in a post-pandemic world.
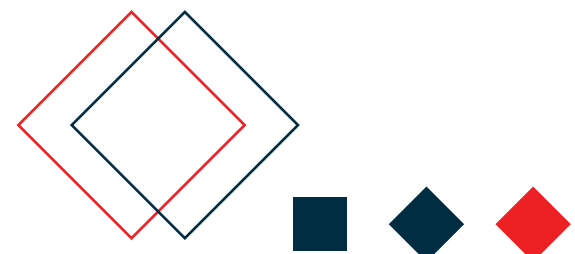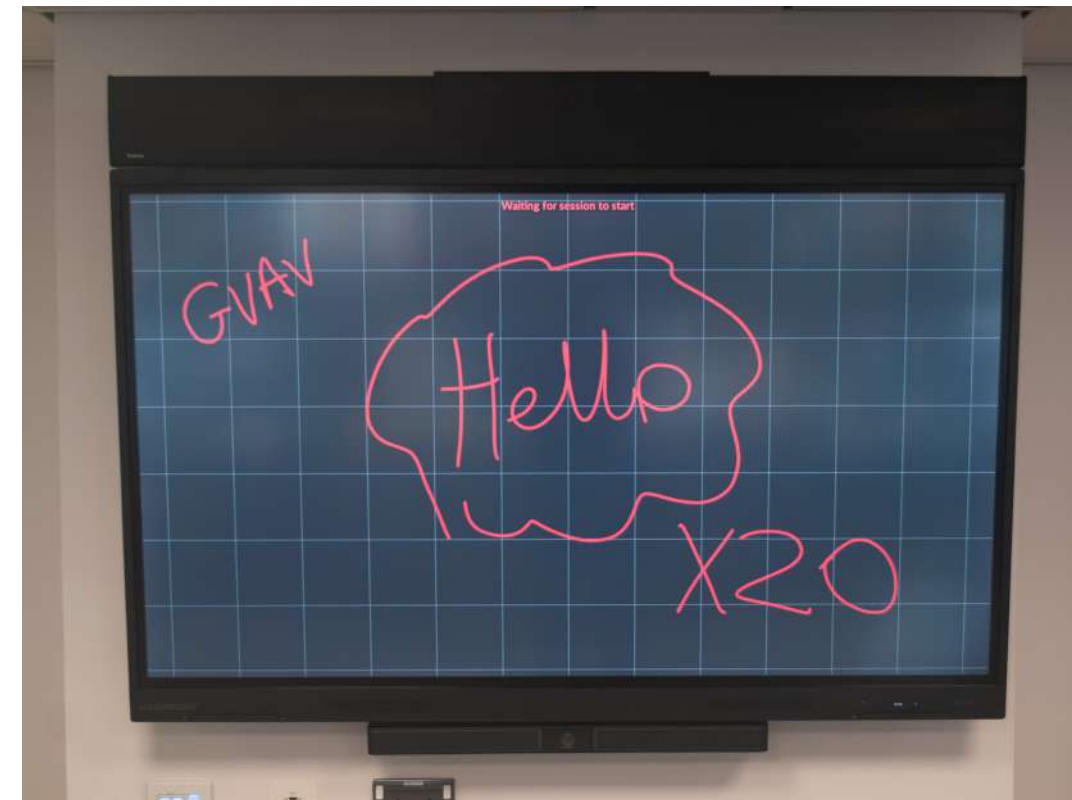
Project Overview

This ambitious project represents the first GVAV integration of the cutting-edge OneRoom system, establishing a new standard for virtual meeting and learning. Cardiff University's new VETS facility aims to bridge the gap between in-room staff and remote participants through cohesive, real-time interactive sessions to enrich the shared experience for both students and faculty.
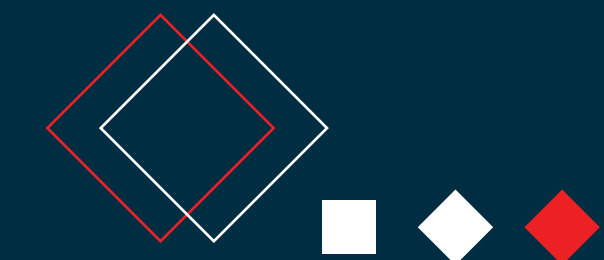
Solution

Through a suite of sophisticated built-in features, X2O OneRoom is designed to facilitate engagement and collaboration through real-time tools like interactive whiteboards, breakout groups, polls, quizzes, and a permanent content repository. The system also incorporates a chat functionality, enabling written communication between participants. By providing a platform that supports rich, interactive content and collaboration in this way, participant engagement and productivity are improved.

One of the standout features of the X2O OneRoom system is its scalability. The platform can accommodate a variable number of participants, as well as flexible room configurations to cater to varying requirements, making this the right solution for Cardiff Business School's new virtual classroom.
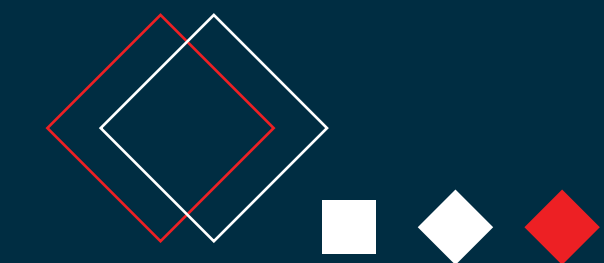
Seamless Remote Learning

Each remote participant is provided with a unique login by the platform's automated system, ensuring security for each session. Once logged in, the user-friendly interface can be accessed via a laptop browser without the need for additional software installations, simplifying access.

Within the software, each virtual participant is assigned a space on the room's video wall. Directional audio inside the room and unique perspective views provided by cameras located at each screen location create an immersive and personal connection between participants and in-room teaching staff. This bridges the gap between physical and virtual interactions, breaking the barriers presented by traditional video conferencing systems. This blend of advanced technology and intuitive design positions the X2O OneRoom system as a leading solution in the evolving landscape of virtual education and collaboration.

Implementation

Alongside the software, in-room technology plays a crucial role in creating this immersive hybrid teaching space.

AUDIO & SOUND

The centerpiece of the room is a 6x2 video wall consisting of 12 Panasonic TH-55EQ2 55" displays mounted to a bespoke curved B-TECH "System X" mount. Marshall cameras are built into the custom mount to provide each virtual participant with a unique perspective view of the presenter. For immersive sound, Extron SB 33 adjustable-width soundbars are positioned under each column of screens to deliver directional sound, tying the audio to the remote participant.

INSTRUCTOR TOOLS

For the benefit of the in-room presenter, a Panasonic confidence monitor has been mounted on a floor cart, displaying content such as camera streams, participant chat, and whiteboard views to ensure staff remain connected with all aspects of the virtual session.

The main teaching base in the room is a TOP-TEC Messenger lectern with an innovative sustainable worktop, crafted entirely from 100% recycled plastic.
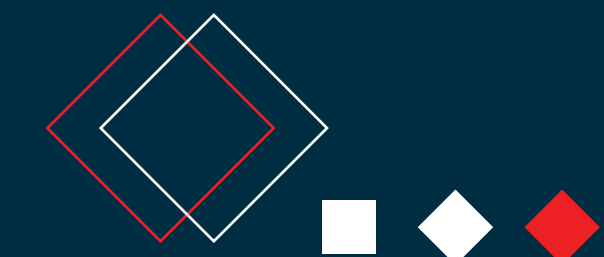
Implementation

INTERACTIVE DISPLAY

An 86" Clevertouch interactive whiteboard display is located at the back of the room, allowing staff to illustrate and annotate shared content, as well as making use of the whiteboard function within the X2O system.

This display serves a dual purpose, also functioning as a standalone display for Microsoft Teams calls, allowing the client full flexibility in how the room is utilized. For Teams conferencing through the Clevertouch, a Bose VB1 video bar has been mounted underneath the display, with an Extron SB 33 soundbar above for room-filling audio.

Mounted below, an Extron button panel allows easy switching between the OneRoom system, or input via HDMI for a laptop connection.
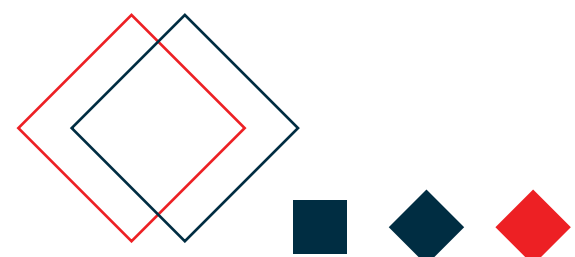
The End Result

Since handing the space back over to the University during the summer, GVAV and X2O Media have been proactive in offering system training and support to ensure a seamless transition at the beginning of the new academic year.

Alongside initiating bespoke training with X2O Media's dedicated support team, a comprehensive user guide has been produced by GVAV outlining the simple steps to operate the room and the system within.

The implementation of the new VETS facility at Cardiff Business School underscores the University's latest commitment to leveraging cutting-edge technology to enhance the student and teaching experience and reaffirm its position at the forefront of modern higher education.
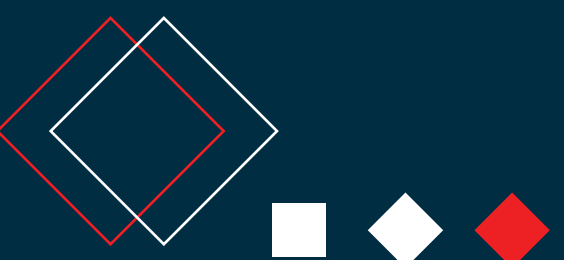
Testimonial

"

Both X2O Media and GVAV coordinated in an excellent manner with University IT and stakeholders to help achieve this definite solution. Both attention to detail and positivity was present throughout - from installation to programming and delivery, including consideration for rack cooling, ambient noise levels, and room aesthetics. The successful execution of this project will provide the school with a truly unique teaching and learning experience."

Pete Dunsire
Senior Project Manager AV/IT
Cardiff University

X2O media

About X2O Media

X2O Media provides technology to build remote and hybrid teaching and learning spaces for forward-thinking global corporations and higher education institutions. Its X2O OneRoom solution creates engaging hybrid and remote collaboration spaces to connect in-room and remote attendees in one equal learning experience.

X2O Media, part of the STRATACACHE family of marketing technology companies, is headquartered in Montreal, Canada with teams across the EMEA and APAC regions.

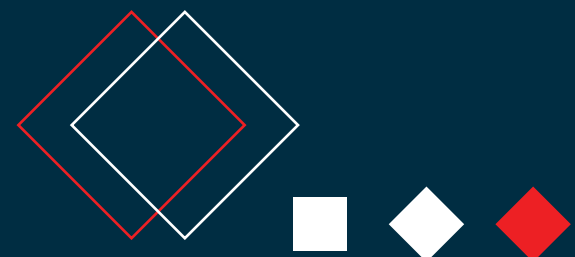**For more information:**

sales@x2omedia.com   x2omedia.com

About GVAV

GVAV is a leading provider of integrated audiovisual (AV) solutions in the UK, specializing in designing, installing, and maintaining advanced AV systems for various sectors, including education, corporate, healthcare, and public spaces. GVAV delivers tailored solutions that enhance communication, collaboration, and engagement with cutting-edge technology. Their expertise encompasses AV integration, digital signage, interactive displays, video conferencing, and support services, ensuring seamless user experiences and long-term reliability. GVAV partners with clients to transform spaces into dynamic, technology-driven environments.

About Cardiff Business School

Cardiff Business School, part of Cardiff University in the UK, is a leading center for business education, research, and innovation. Renowned for its commitment to public value and social responsibility, the School delivers world-class undergraduate, postgraduate, and executive education programs designed to equip students with the skills and knowledge to excel in a global business environment. With a diverse community of students, faculty, and industry partners, Cardiff Business School fosters collaboration and innovation to drive positive change in business and society.