



# GVAV Case Study

University of Plymouth

InterCity Place





# InterCity Place | University of Plymouth

**A former railway office tower building once mooted for demolition, InterCity Place has undergone a £33 million regeneration inside and out to serve as a new modern University facility with practical learning and meeting spaces for healthcare students.**

Opened in 1962 as part of the post-war reconstruction of Plymouth, the InterCity building was constructed as local offices for British Rail with views east to west of the adjacent railway line and panoramic vistas spanning Britain's Ocean City.

More recently, the 11 storey building had become one of Plymouth's biggest eye-sores since being vacated and left to dilapidate without an occupant. After being touted for demolition by the council in 2017, a masterplan was put together to regenerate the city's gateway including a transformed InterCity Place.

With the objective of repurposing the building as a modern learning environment for the future of its Faculty of Health, the University of Plymouth took over the building alongside its other ongoing developments, committing to further investment in class-leading facilities. As sole supplier to the client, **GVAV** were tasked with the design, supply and installation of audio visual solutions across the building working in collaboration with the University's in-house AV team.

**iiyama**

**Extron**

**onemedia**

**CHIEF**

**SENNHEISER**

**WOLFVISION**

**QSC**

**SENNHEISER**

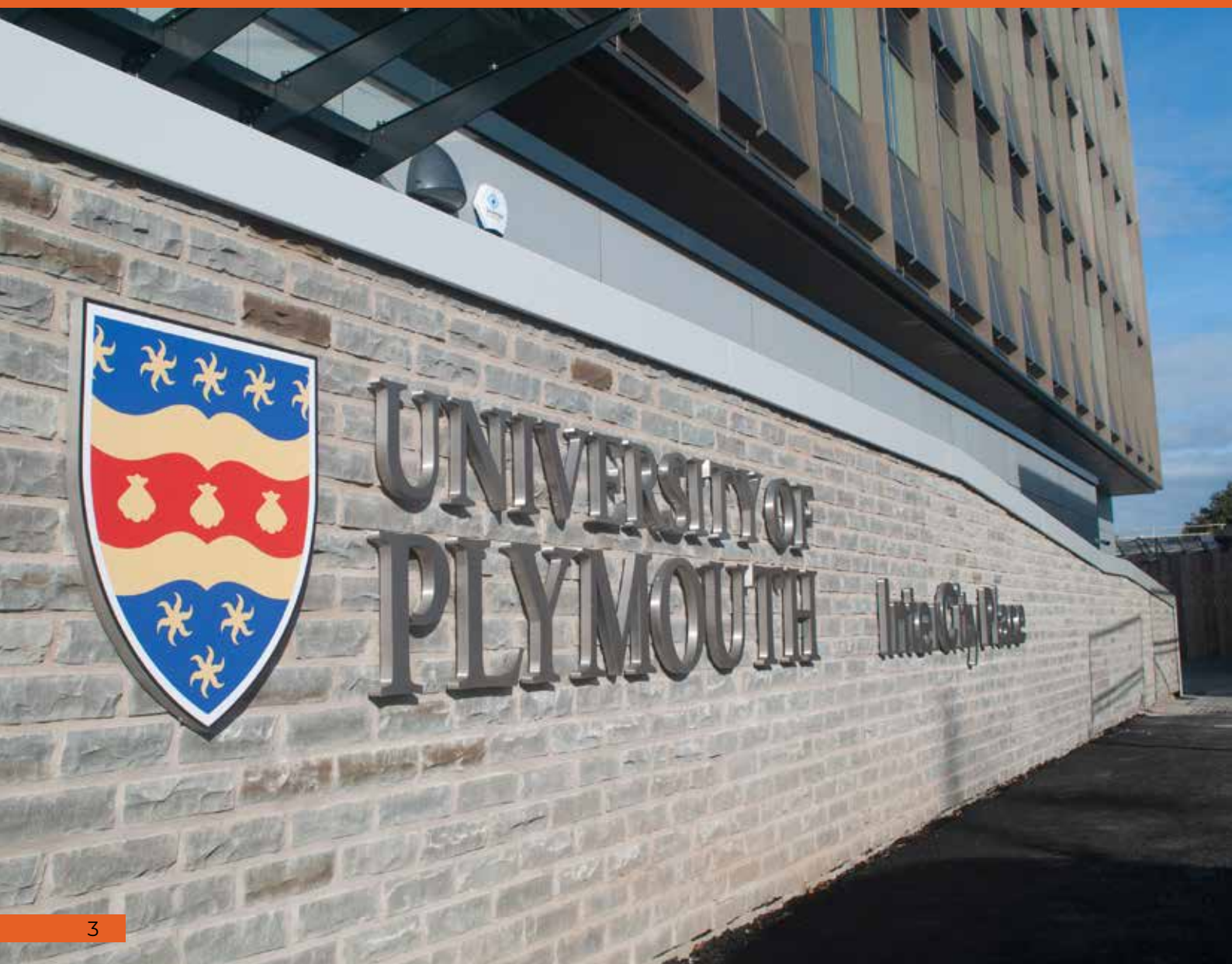
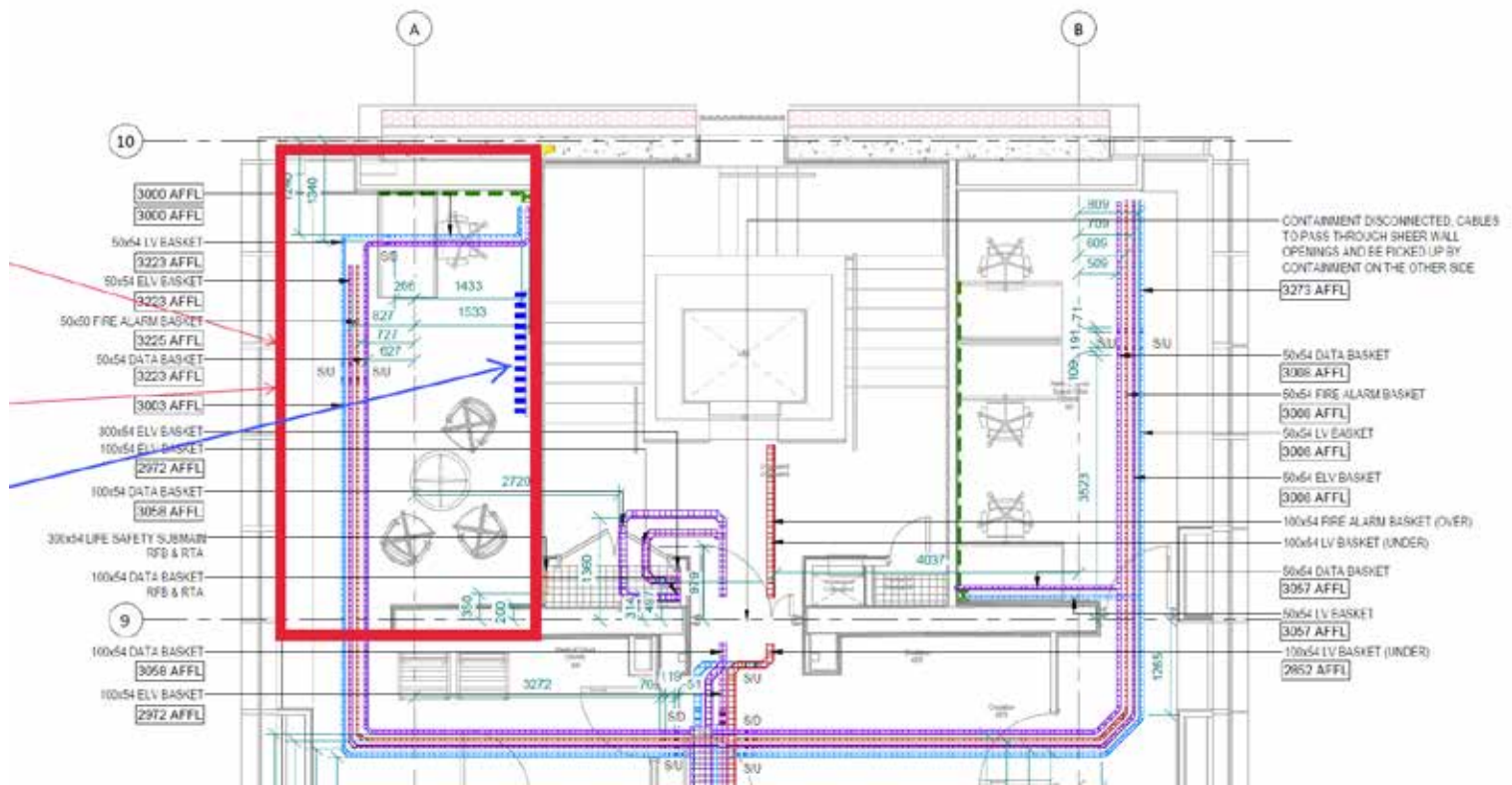
**PHILIPS**

**SAMSUNG**

## AV Installed

- iiyama displays
- Extron processing, controlling and switching
- onemedia PCAP displays
- ONELAN players
- Marshall cameras
- t.bone mics
- Audac speakers
- Chief mounts
- Sennheiser mics
- Turning leaf lecterns
- WolfVision visualisers
- WolfVision Cynaps
- Philips digital signage
- Samsung stretch display





## 11 storeys of dynamic spaces

First impressions of the new tech-infused InterCity come in the form of 55" onemedia all-in-one PCAP signage displays in both the Foyer and Social Learning Suite, integrated with ONELAN players to display University information and media content.

With 11 floors featuring dynamic practical spaces for different purposes as well as meeting rooms and office areas, the requirements for each floor were detailed and bespoke. As such, the planning stage was crucial to the success of this project, with effective communication essential between other contractors, key stakeholders at the University, **GVAV** and suppliers.

Emerging from the pandemic, the education industry has turned its attention to flexible and accessible hybrid learning spaces. For many of the spaces within InterCity, the ability to

capture video and audio for Panopto, monitoring and training was an essential requirement, allowing students to dial into sessions remotely.

To achieve this, a variety of equipment was chosen to suit each of the building's room types. Marshall CV506 Mini Broadcast Cameras are mounted to the ceiling in many of the rooms alongside the t.bone EM700 microphones for audio capture. These inputs are fed into a PC which means that students are able to access remote recordings of sessions and get multi-streaming access from Panopto's video CMS, adding value to the student experience while boosting productivity.

Room sizes and requirements were taken into consideration when choosing display equipment for each of the rooms. With rooms ranging from small meeting rooms to larger teaching spaces, different types of kit were required.







Throughout the building, 55" iiyama displays are used for presentation and signage, as well as a mixture of 65" and 86" iiyama touch displays fixed with Chief wall mounts or on TOP-TEC trolleys depending on the requirement.

These touch displays allow staff to present teaching content in 4K UHD with accurate annotation capability for engaging, interactive learning sessions.

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***...the requirements for each of the 11 floors were detailed and bespoke***

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These displays can be fed by a number of input sources, controlled using Extron touch controllers integrated into Turning Leaf lecterns. The control panels allow teaching staff to intuitively

select input controls with simplicity and minimal training for a seamless presenting experience from the University PC, the user's own device or via a VZ-3neo visualiser for ultra-high definition document imaging.

10 Turning Leaf lecterns across the building are fitted with 24" iiyama multi-touch monitors by NewStar desk mounts, acting as a second extending display alongside a client-supplied monitor. Amongst other functions, this can allow staff to preview the next slide of a presentation before it gets shown on the main teaching display.

Across InterCity's teaching rooms, a total of 100 pairs of Audac ceiling speakers provide high-quality audio for students to hear the presenter or media playing through the teaching display.



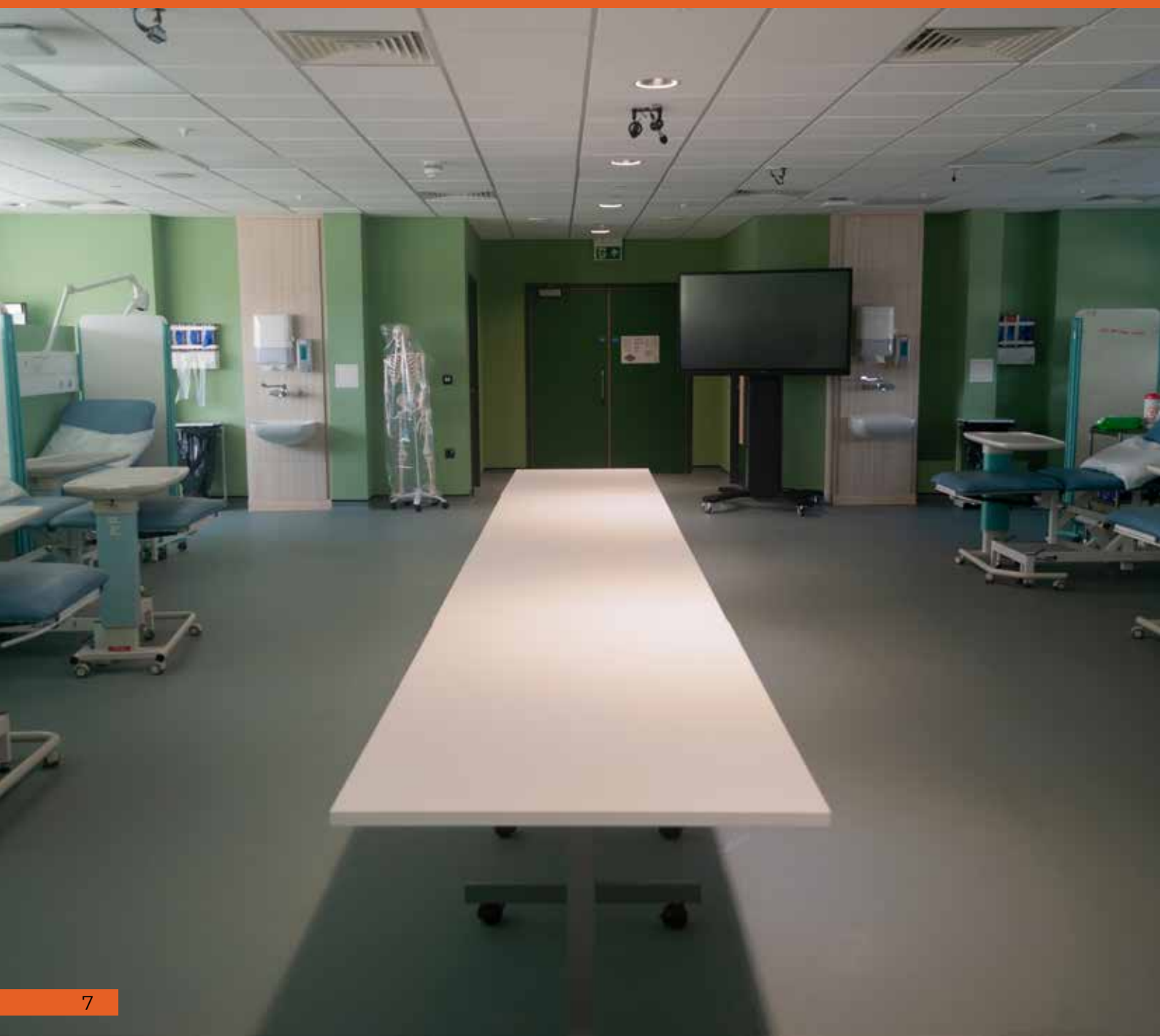
## Practical learning spaces

Being able to clearly hear the presenter was a vitally important part of the client's requirements, especially in the larger open-plan spaces such as the Hospital Simulation Room on the sixth floor.

These big, hands-on learning suites will naturally be noisier and busier than traditional classrooms, meaning an audio reinforcement solution was required to ensure the speaker does

not need to shout to be heard across the room.

Options of Sennheiser hand-held or lavalier microphones are based at the teaching stations of these larger simulation spaces, providing clear and effective voice input that is then seamlessly relayed over the system.







Further practical learning spaces come in the form of virtual dissection laboratories on the second and fifth floors.

Anatomage tables in these rooms facilitate realistic, segmented 3D anatomical visualisations of the human body.

To supplement this experience with extra information and learning materials, large displays have been installed in these spaces, each with wired and wireless input options. On the second floor, two 49" Philips digital signage displays are coupled to form a 32:9 video wall alongside a tertiary display to show content separately. The fifth floor's Anatomage room has a singular wall-mounted LG 88" ultra-stretch signage screen as the room's primary display.





Also on the fifth floor of InterCity Place is the Community Home Suite, comprising of a mock kitchen, living space, bedroom and bathroom for simulated care training. The biggest of these spaces is the living room, which is kitted out with an 86" iiyama display, Audac speakers, Turning Leaf lectern and an Extron TLP touchpanel, as well as t.bone mics and Marshall cameras for

training and observation.

With the aid of the building's high tech integrated solutions, these brand new practical facilities will provide valuable training spaces for health and social care students and help cement the University's standing as a leader in these fields.

## Meeting rooms

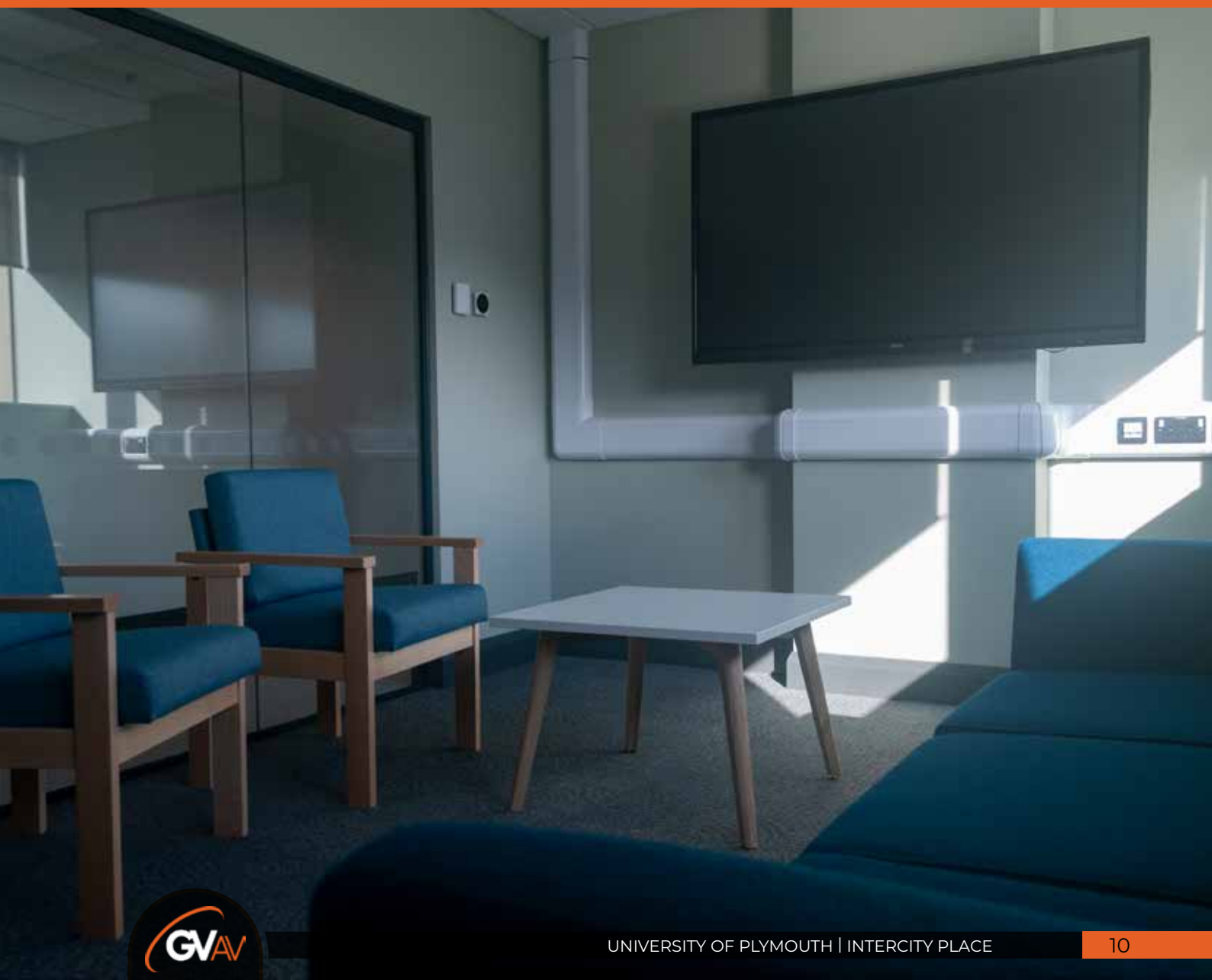
As well as learning spaces, there was also a requirement for several dynamic meeting spaces in the revamped InterCity Place.

Across the building's 11 floors, meeting rooms in a variety of sizes and specifications have been installed for small in-person gatherings and presentations. Users are able to bring their own device to present on the room's iiyama display through HDMI or wirelessly via an integrated WolfVision Cynap Pure Mini for screen mirroring up to 4K supporting AirPlay, Miracast and Chromecast.

Having both wired and wireless

connectivity options in these shared spaces was an important requirement in the modern age of personal technology. Users are able to arrive with mobile phones, tablets or laptops and share content simply and seamlessly using the highly compatible WolfVision device.

Extron MLC Plus 100 panels give the end user intuitive, comprehensive control of the display system with on and off buttons, input selection and a volume dial.







## Training the future of the NHS

Equipped with simulation spaces for a multitude of scenarios, NHS standard equipment and medical manikins, students can use the new space to gain vital experience before they go on their placements. Alongside the University of Plymouth's other ambitious projects, investment in AV in InterCity Place enhances students' learning experiences, allowing them to dial in to sessions remotely, observe and review their contemporaries, and conduct training exercises.

Amidst nationwide NHS staff shortages, InterCity Place will become a vital long-standing and attractive high-spec practical learning environment for future generations of health professionals, not only bringing together the University's Schools of Nursing, Midwifery and School of Health, but also attracting new talent to Plymouth and into the health service





## Don't forget to check out our other recent case studies...



### **IROHMS Laboratory, Cardiff University**

A new Command and Control centre featuring an LG video wall and Blustream AVoIP solution.

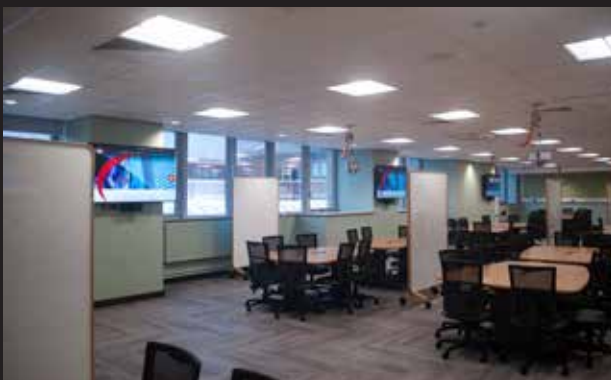
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### **The Forum Theatre, University of Hertfordshire**

The University's new flagship space featuring a 9-meter 4K Sharp/NEC LED video wall and Crestron AVoIP.

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### **Queen's Engineering, Cardiff University**

Collaborative learning facility including scalable AVoIP systems and more than 20 displays.

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## Systems Integration

**Acknowledged in the industry for providing top quality integrated solutions. We develop systems that are easy to use and offer a great user experience.**

Working efficiently on site alongside third parties and contractors, we seamlessly integrate cutting edge technologies into legacy systems.

And, with our commitment to uncompromising Project Management, we've got the experience needed to smoothly integrate into any construction or refurbishment scheme, no matter the size.

With technical teams continuously receiving the latest training and development, we ensure they have the most up-to-date skills and product knowledge.

With GVAV you can be confident in gaining a beautifully designed and robust AV solution.

## Rack build

**At GVAV, we don't just excel at systems design...**

Our highly skilled engineers build AV racks in-house to the highest quality and specification. With regional build centres located across the UK, you can rest assured we'll build your equipment rack locally - reducing time and travel.

With dedicated rack wiremen and our extensive portfolio of AV products, our AV racks are consistent with the highest standard and ready to fit.

Predominantly built at one of our controlled facilities and designed to exact specifications, AV racks comply with industry standards. Arriving on site, fully assembled and tested, we provide installation, integration, commissioning and handover services as part of our comprehensive service. And, with large stocks of rack equipment, materials and integration hardware in stock, we can also accommodate last minute changes with ease.

Whether your project is small or large, CV rack build is here to get the job done fast.

## Solutions choice and design

**GVAV have the skills and resources to ensure success and get the best return on your investment.**

With decades of experience, we offer refined designs delivered by highly skilled solution designers who know how to realise your AV requirements.

We partner with our customers to generate the most innovative, cost effective and feature rich solutions and work to the respected, enhanced AVIXA standards to ensure consistency and performance across all of our projects.

No matter the size of your project, we've got you covered.







## Project management

**We understand the importance of excellent project management, and our experienced team of trained, accredited professionals do too.**

As a company we invest heavily in our national PM teams supporting training to accredited standards particularly PRINCE2 and CTS.

Flexible project reporting ensures transparency for customers who can view their project progress throughout the process, and our system helps deliver agile, timely visibility to key stakeholders. Ensuring projects stay on time and in budget.

We will provide additional project managers giving appropriate support depending on the project size. PMs will focus on contractual, multi-trade, SHESQ and onboarding elements of the broader project with tangible benefits to our clients.

This capability is hugely beneficial when the work forms part of an overarching construction project or multiple jobs require management. We will integrate tightly with the principal contractor project team.





## Training

**We recognise the difficulties organisations face in implementing new technologies, promoting user adoption and building operational confidence amongst end users.**

They are the fundamental elements that help guarantee you're getting the most out of your system.

No matter the level of in-house technical knowledge, adopting new products and work methods can be complex. But, taking on these challenges allows you to augment your business practices, provide your customers with better service, and compete more effectively.

Technology changes fast, and AV is constantly evolving, making it a truly exciting field. However, we understand this is a daunting prospect if you don't deal with AV all the time. We can provide the reassurance you need through training.

Training is an essential element of any well designed AV solution and represents a powerful tool for promoting user adoption. It maximises the benefits of the technology by enabling it to reach its full potential.

## Technical support

**GVAV knows how vital good technical support is to our customers and understands their wide range of support needs. We will match support levels to your specific requirements considering user experience and system complexity.**

Our support services include access to GVCORE, our support and service desk solution for incident logging, management and resolution, accessible by phone, email or secure login

Customer satisfaction is of paramount priority, and we take pride in the quality and professionalism of our support services. You will receive expert advice on usage, helping you get the best out of your equipment and keeping it working in peak condition.



## Control systems

**Since its inception, GVAV has been at the forefront of bespoke integrated AV systems for business and education. Our mission, to deliver designs that offer excellence to our customers technically and in user experience.**

Whether using Crestron, AMX, Extron, or one of our other excellent manufacturers, the foundation is simple, logical, elegant, well-programmed interfaces that make our solutions work for you.

Our highly qualified experts have designed, programmed and supplied a wealth of projects from individual meeting rooms, classrooms and lecture theatres to expansive building wide installations. We incorporate estate-wide management that handles lighting, audio and building control, and we support environmental room monitoring and asset booking.

Our team carries certifications from all major system manufacturers so that you can expect an efficient and timely control solution. Whether for a new system or to update your existing one. Our interfaces are intuitive and reliable.





## Maintenance

**With our nationwide network of branches, we offer local expertise, which means you get the support you need!**

Offering a wide range of maintenance services supported by our skilled engineers, we will manage your request every step in a friendly, helpful and efficient manner from your very first call.

Our maintenance packages offer excellent value, protects your AV system, reduces downtime, and ensures that it will run smoothly for years to come providing a great return on your investment.





## Ready to deliver the systems you need

Our six dedicated local hubs across the UK offer a full range of services to make your AV ambitions come to life. From consultation, planning, design, training and maintenance, we have the experience to deliver.



## Delivering the next generation of collaborative spaces

With a return to the new normal, we have taken all the lessons learnt from COVID and pushed them even further.

GVAV's nationwide team are ready and waiting to support this new world. We deliver outstanding AV solutions that allow you to work more closely than ever, no matter how far apart. Collaboration has genuinely become a superpower for success.

Speak to your local branch today and find out how our dedicated team can help you revolutionise your space!





# Bright Ideas

Your go-to AV guide



**READ ONLINE**

### Head Office (London & South East)

GVAV Ltd Head Office, 676 River Gardens,  
North Feltham Trading Estate,  
London, TW14 0RB

☎ 0208 814 5950

✉ [ncutting@gvav.com](mailto:ncutting@gvav.com)

New address!



### South West & South Wales

Unit 4, The Omega Centre,  
Bittern Road, Sowton Industrial Estate  
Exeter, EX2 7LT

☎ 01392 499399

✉ [rwatts@gvav.com](mailto:rwatts@gvav.com)

### Midlands & Mid Wales

Unit 2E, 4020 Siskin Parkway East,  
Middlemarch Business Park,  
Coventry, CV3 4SU

☎ 01455 221587

✉ [kliddle@gvav.com](mailto:kliddle@gvav.com)

### North West, North Wales & NI

Units 3-4, Bag Lane Enterprise Centre,  
Bag Lane, Atherton,  
Manchester, M46 0JN

☎ 01942 884433

✉ [jmcgarty@gvav.com](mailto:jmcgarty@gvav.com)

### North East

Unit 6B, Chevychase Court,  
Seaham Grange Industrial Estate,  
Seaham, County Durham, SR7 0PR

☎ 0191 303 9648

✉ [matkinson@gvav.com](mailto:matkinson@gvav.com)

### Scotland

Unit 23, Block C,  
10 Tom Johnston Road,  
Dundee, Angus, DD4 8XR

☎ 01382 848680

✉ [ngraham@gvav.com](mailto:ngraham@gvav.com)

# AV services you can rely on

## Six local branches across the UK

GVAV has installed thousands of projects nationwide. With local branches covering the entire country and a central hub of systems and resources, we are ready for any project, no matter the size or complexity.

At GV, we have the skills, local resources and experience to take your needs from a concept to a fully integrated and supported Audio Visual solution.

## On hand to help

GVAV provides sales, service and support, accessible via mobile, web or email. Our customers can contact us whenever and wherever they need to, and we take customer satisfaction very seriously, so training, support and effective project management are critical to all we do.

## Maintenance and support

Our nationwide network of branches means local, experienced engineering resources for our customers. From essential preventative maintenance to site-resident engineers, extended hours and short term events or full operational support, whatever you need, GVAV can help.

Our project, technical, and programming teams ensure your AV projects deliver on every level.

We pride ourselves on offering the best quality goods and services, and our customers know they always get great value for money.

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