



GVAV Case Study

University of Hertfordshire

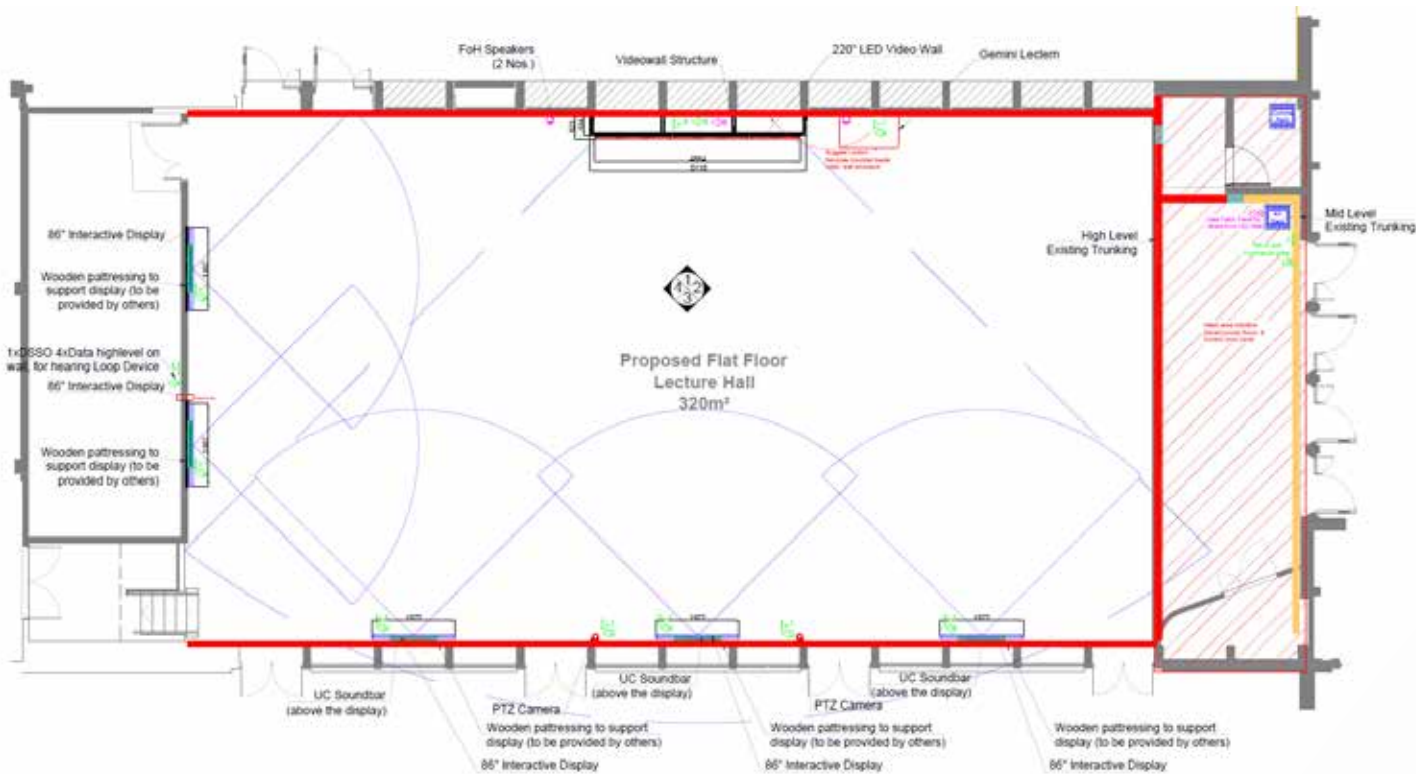
Prince Edward Hall



University of
Hertfordshire **UH**

Prince Edward Hall | University of Hertfordshire

After a competitive tendering process, GVAV were appointed to lead an LED revolution across the University of Hertfordshire including several new state-of-the-art teaching spaces. This is the first of a three-part series of case studies centred around LED integration in signature spaces at the University.



Completed in early 2023 Prince Edward Hall is a newly designed teaching space that has transformed a former tiered lecture theatre on the College Lane Campus into a state-of-the-art wireless collaborative learning environment.

The new facility truly is a stand out solution, incorporating cutting-edge NEC LED and Q-SYS AVoIP technology to enhance the student learning experience. Prince Edward Hall is innovative and progressive in its use of AV, tailoring to the needs of STEM subjects and accommodating more hands-on, flexible learning methods.

Previously, the University had lacked a dedicated lecture theatre for these subjects, hampering their preferred teaching approaches.



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Main Reception



A versatile solution

As the tiered seating was being removed and decorating got underway, the finishing touches were being made to the AV design. Due to the nature of the requirements, it was imperative that this space would enable collaborative and hybrid working, whilst also serving as a traditional teaching space when needed.

With versatility at the heart of this project, Prince Edward Hall needed to be a multi-functional flat-floor lecture theatre space facilitating wireless, collaborative learning, as well as presentations, breakout learning sessions and group training tailored for STEM students.

AV Installed

- Q-SYS AVoIP system
- NEC LED video wall
- TOP-TEC lectern
- NEC displays
- Shure mics
- QSC cameras
- JBL speakers
- WolfVision visualiser

Q-SYS

SHARP/NEC

TOP-TEC

JBL

SHURE

WOLFVISION

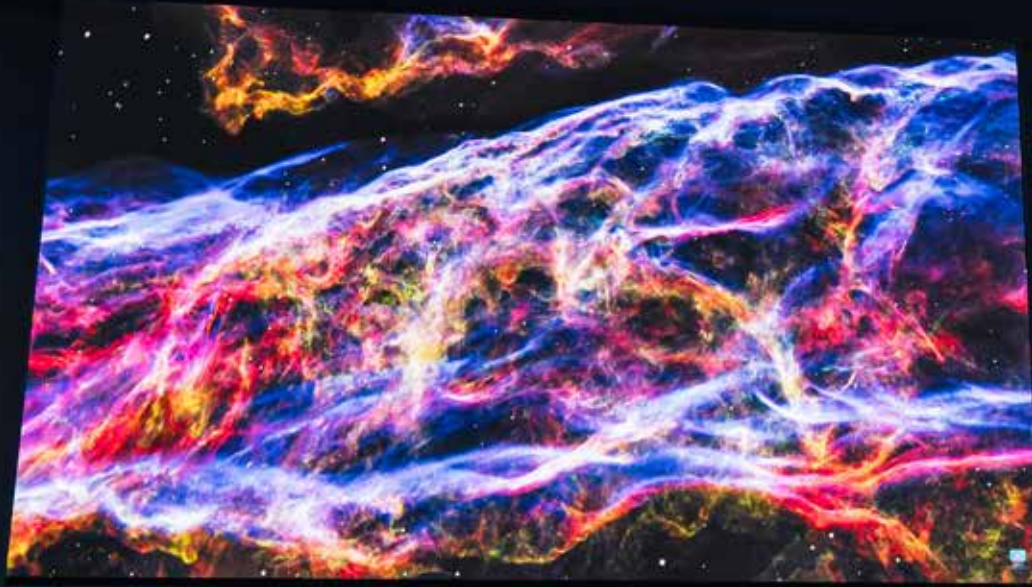


“LED is the biggest untapped area of technology for customers right now. We see it as a display solution for the future because of the flexibility in how you can install it and implement it.”



Sukh Basi,
Sales Director
GVAV





State of the art display technology

The facility's centrepiece is a 4.8m x 2.7m 1080p NEC 1.2mm Fine Pitch LED wall, mounted onto bespoke metal bracketry and cladding.

As a running theme throughout this series of recent projects, the University have been passionate about pioneering modular LED technology as a low-maintenance, cost effective alternative to projection.

Working closely with PSCo, the client, and consultants Hewshott, it became clear that LED was the most practical and effective solution for this space and provides stunning high-resolution visuals, serving as a focal point for presentations and content display.

As well as the LED wall, the Hall is also equipped with five NEC 86" interactive displays featuring local input connectivity options such as USB-C and HDMI. These displays are mounted on custom TOP-TEC motorised floor and wall brackets, providing flexibility in positioning and providing DDA (Disability Discrimination Act) compliance.

Additionally, five NEC 65" interactive displays with similar input capabilities are installed on portable TOP-TEC COACT screen trolleys, further enhancing the capability for collaborative work. These display options make Prince Edward Hall the perfect learning environment for students to collaborate with their peers and learn interactively.

Hybrid and remote solutions

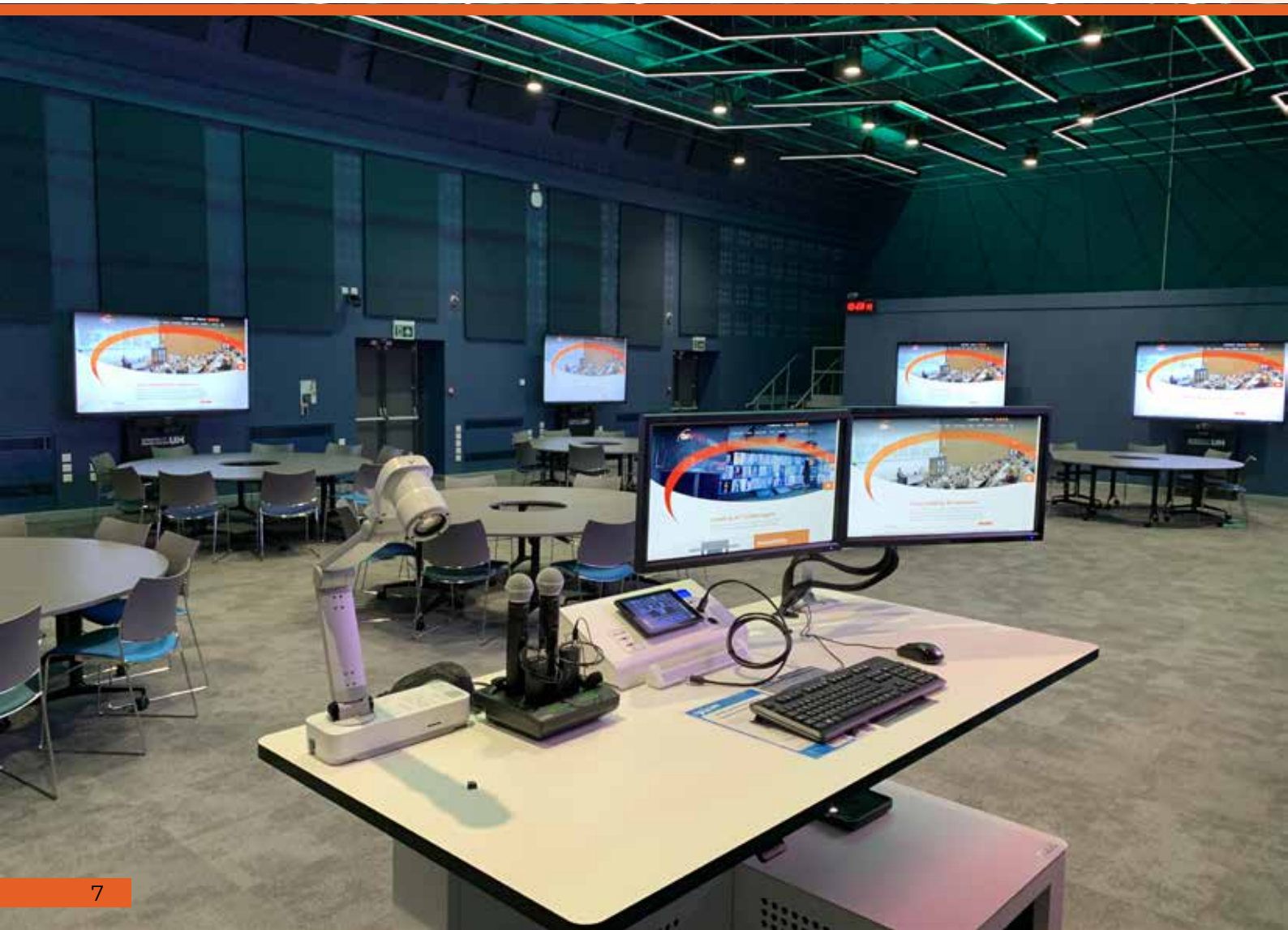
In a post-pandemic world, hybrid functionality and working collaboratively with remote students were imperative requirements for this new space, and this consideration was at the forefront of the planning stage. The peripheral displays are integrated with Poly Studio video bars, allowing seamless BYOM video conferencing and communication.

For audio capture in the Hall, two Shure wireless handheld and lapel microphones were installed, supported by a quad charging base and a 4-channel Shure wireless ceiling receiver. The room also features twin QSC NC-20x60 PTZ cameras for capturing presentations in Full-HD, utilising

Panopto recording and external streaming capabilities built into the AV system.

Audio in the space is delivered through a combination of speakers including 10 QSC AD-P4T pendant ceiling speakers, as well as four existing JBL CBT1000 front-of-house speakers and amplifiers to create an immersive audio experience for the audience. For further accessibility, a Sennheiser MobileConnect hearing assist solution was also installed.

A custom-branded TOP-TEC Gemini lectern serves as the control hub for the room's audio visual connectivity options, also including a WolfVision Cynap Pure visualiser.



SHARP / NEC

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Direct View LED

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Sophisticated and practical control system

The backbone of the AV system is built on the University's first fully integrated Q-SYS end-to-end AVoIP (AV over IP) solution, utilising twelve NV-32H devices. This AVoIP infrastructure ensures efficient distribution of audio and video signals throughout the space.

A QSC TSC-80-G3 touch panel with a bespoke-designed GUI is employed, controlling the entire system. This control panel seamlessly interacts with a Core 110F Audio DSP equipped with a control license, enabling comprehensive command over the AV equipment with a familiar and simple interface.

The collaboration of cutting-edge technology like LED and AVoIP means that Prince Edward Hall provides a high-spec, advanced learning environment for its students. The integration of interactive displays, high-quality audio and seamless control functionality enhances collaboration, engagement and productivity, making it a versatile space suited for a variety of teaching methods and learning styles.

“The modernised Prince Edward Hall is a valuable new asset for the University as a versatile and aesthetic facility built for the future”

The University of Hertfordshire - Investing in the future

As well as being a cutting-edge learning environment for its students, Prince Edward Hall is also already proving itself to be a more than capable venue for large corporate University events. Having a versatile showpiece space like this represents a prudent investment that adds value to the University both in terms of attracting top talent and direct ROI through event ticketing.

With its sophisticated GVAV-installed audio visual capabilities, this space is perfectly suited for these types of engagements. Since its completion, the prestigious annual Vice Chancellor's Awards have been held in the Hall, setting a successful precedent for hosting future events like this.



Whether it's helping attract prospective new students, revolutionising the daily learning environment for existing students, or reinventing itself for countless other practical applications, the modernised Prince Edward Hall is a valuable new asset for the University as a versatile and aesthetic facility built for the future.

This project is the culmination of extensive planning and collaboration between GVAV, the University, Hewshott and PSCo. GVAV were able to draw from a wealth of internal and external industry experience to deliver the client's ambitious requirements successfully and in good time.

“Working with GVAV was a positive experience all round – they worked alongside us to make sure that the new AV system met our needs, delivered the ‘wow’ factor that we were looking for and created a learning environment that is second to none. The installation was seamless and the user training provided was positive for the end users. The University look forward to continuing to work with GVAV on future outstanding projects”

**Adam Harvey,
Solutions Architect for AV & Digital Media
University of Hertfordshire**





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www.gvav.com



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.



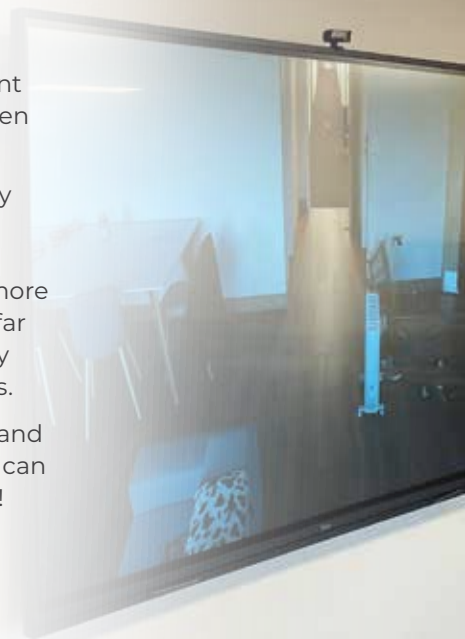
Meet the team

GVAV is 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!



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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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