



# **GVAV** Case Study

**Locomotion Museum,  
Shildon**

**Exhibit Stand Upgrades**



**LOCOMOTION**

As part of the Science Museum Group, Locomotion in Shildon, County Durham, is home to one of the most significant collections of railway vehicles in the country. Situated in the world's first railway town, the museum invites visitors to explore their unique collection and uncover the remarkable story of how the railways transformed society.

To further enhance the visitor experience, Locomotion sought to upgrade its interactive exhibits aiming to create a more engaging and accessible way for visitors to connect with its displays. The new AV system needed to integrate seamlessly with the bespoke exhibition stands already in place, while also prioritising accessibility to ensure interpretation remained inclusive and engaging for all visitors.

**GVAV** were appointed to deliver a modern, reliable solution that brings the museum's stories to life while making railway heritage engaging, educational, and accessible for every visitor.

Eight new interactive exhibit stands were delivered by **GVAV**, each designed to provide visitors with an engaging and accessible experience. The stands combined bespoke exhibition furniture

### AV installed

- Beetratics touch-screen displays
- BrightSign media players
- Molitor VIA audio handsets

supplied by the client with Beetratics touch screens, BrightSign media players, and Molitor VIA handsets with integrated induction loop amplifiers on selected units.

Together, these technologies form a cohesive, user-friendly system that enhances visitor experience, supports inclusivity and ensures reliable operation within the busy museum environment.



Each of the eight exhibit stands feature high-performance Beetratics touch screens, comprising seven 15.6" (15TS7M) and one 13" (13TS7M) models. Designed for continuous public use, these full HD displays deliver outstanding picture quality with high-definition images, vivid colour reproduction and excellent 178° viewing angles for optimal visibility.

The capacitive multi-touch panels support up to ten simultaneous touch points, providing smooth and responsive interaction for users. Fully compatible with Windows, macOS, ChromeOS, and Linux devices, the screens are simple to integrate and reliable under heavy daily use, making them the right solution for this high-traffic museum environment.

**GVAV** installed a combination of BrightSign Media Players to provide content to the screens, each paired with a Dual Antenna Wi-Fi/Bluetooth Module (WD105).





Purpose-built for digital engagement, these signage players deliver responsive 4K60p HDR10 playback, while supporting HTML5 animations and interactive content. Their versatile connectivity allows for seamless control of touch screens, sensors and buttons, essential for creating immersive, tactile visitor experiences.

To ensure the exhibits are accessible to all, three of the eight stands include Molitor VIA handsets with integrated induction loop amplifiers designed to deliver clear audio for hearing-impaired visitors. The loop amplifier converts sound signals into an electromagnetic field that can be received by telecoils within most hearing aids and cochlear implants, ensuring crisp, interference-free sound with minimal background noise.

The handsets provide accessible, intuitive playback that begins automatically when lifted from the magnetic base and stops when returned, while a flexible stainless-steel tube protects the cabling for longevity in daily public use.

The integration of the new AV technology brings another dimension to Locomotion's exhibition spaces, creating an engaging, accessible and user-friendly experience that enhances visitor interaction throughout the museum.



Blending vivid visuals with intuitive touch and inclusive audio features, the new system immerses visitors in the rich history of railway heritage while offering durable, easy-to-use functionality.

The result is a reliable solution that supports seamless daily operation and offers the flexibility to evolve with future content updates. **GVAV** were proud to have worked on this unique project, delivering a bespoke, future-ready AV solution that brings the stories of the world's first railway town vividly to life.



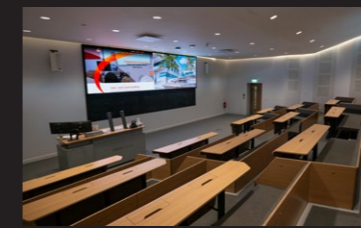


## Check out our other recent case studies from across the UK...



### **LSE: Vera Anstey Room**

This versatile boardroom/seminar space in LSE's Old Building has been upgraded with a new Samsung LED wall, as well as Q-SYS cameas and control for hybrid meeting and collaboration.



### **University of Cambridge: Ray Dolby Centre**

The new home of the world-renowned Cavendish Laboratory features a fully integrated AV environment designed to support hybrid learning, research and collaboration.



### **Birmingham Multistory**

A new amenity-rich community hub in central Birmingham features high-spec AV across multiple zones, including co-working spaces, meeting rooms, and a tiered auditorium.



### **Leeds Trinity University: City Campus**

A new City Campus features high spec AV across 60+ spaces including lecture theatres, meeting rooms, collaborative spaces, specialist legal training areas, computer labs and social zones.



### **Bournemouth University: Esports**

Featuring TOP-TEC gaming desks and professional-grade Blackmagic Design streaming and cameras at each desk, the new suite delivers a high quality learning environment for students.

# Every project starts with a **Bright Idea.**



**READ  
ONLINE**



# Why GVAV?

## 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, GV rack build is here to get the job done fast.



## 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.

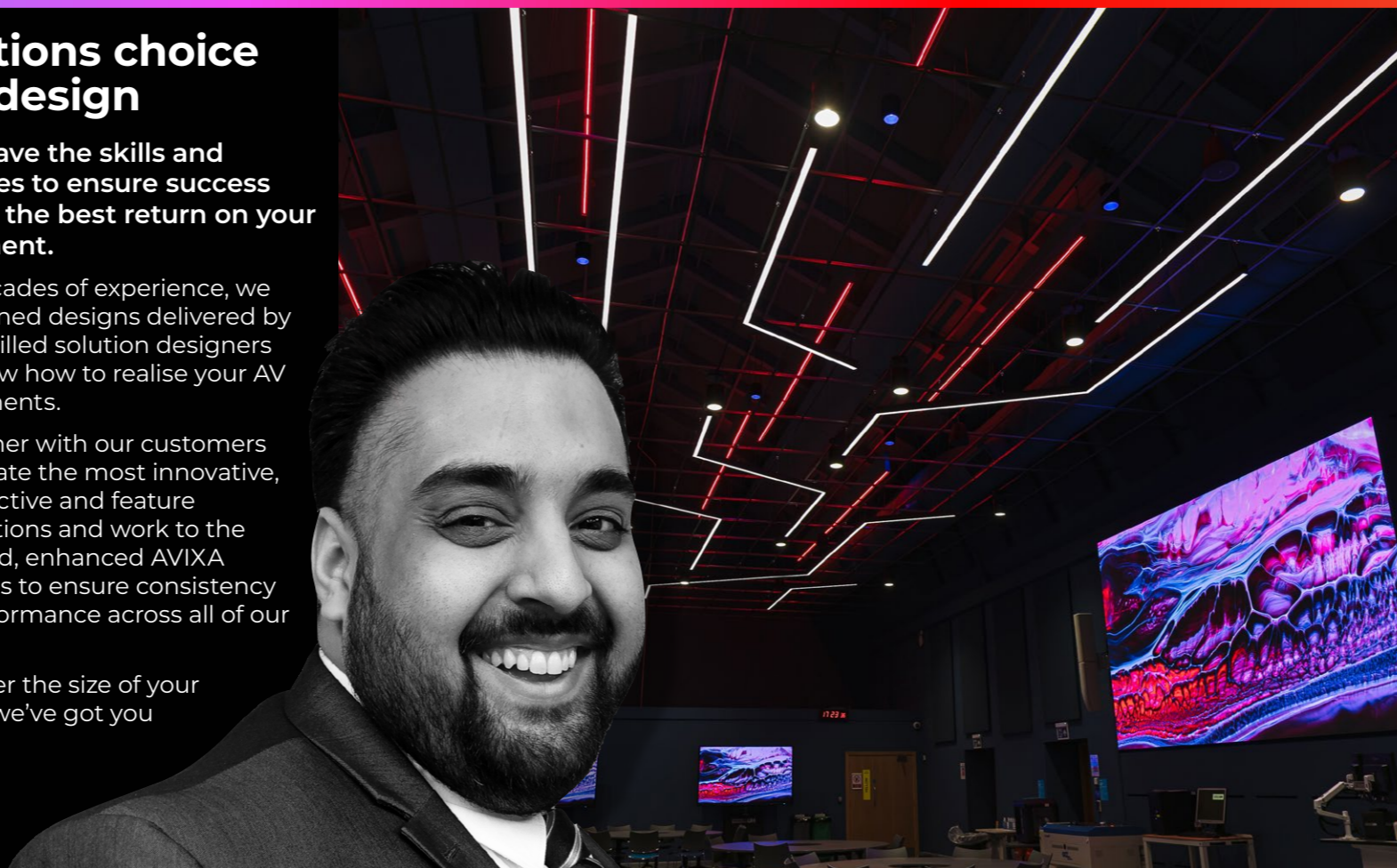
## Solutions choice and design

**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.



## 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.



## 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.



## GVAV - a family business

The secret to our success is the people behind the business, with every member of our team passionate and dedicated to developing innovative AV solutions for our customers. With a heritage dating back to 1976, **GVAV** embraces a family ethos that has run through the business since the beginning.

Now with more than 150 people and with over 45 years in the industry delivering a broad spectrum of projects, there's nobody better to trust with your audio visual project.

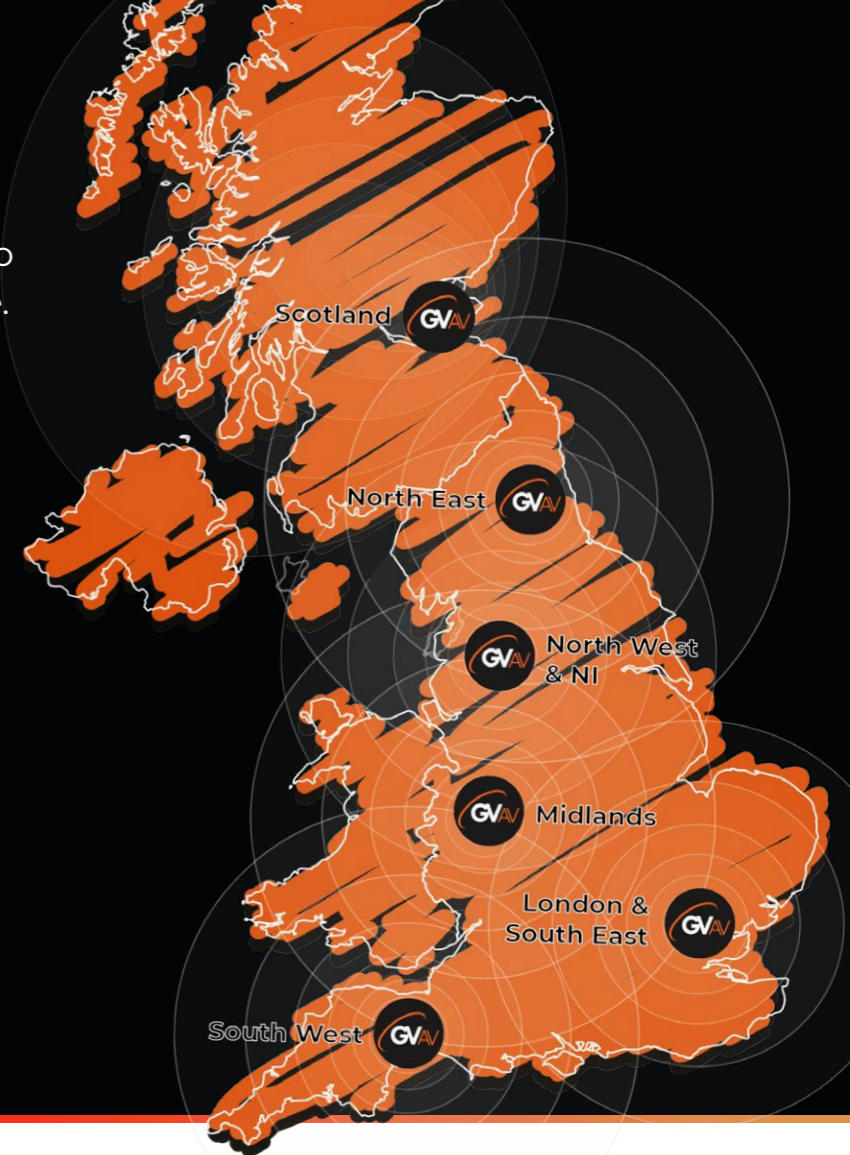


## Ready to deliver the systems you need

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.

With recent moves to enhanced branch facilities in London, Exeter and Dundee, we're in the best position to offer a bespoke local service to customers across the UK.

Whether you're looking for a full AV solution, a refit of an existing space, or just want to upgrade some old kit, contact your local **GVAV** Account Manager.



## Don't miss out...

Follow us



## Delivering the next generation of collaborative spaces

**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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## 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.

gvav.com  
0808 175 7009

