



GVAV Case Study

Greater Manchester
Combined Authority

Fire Service Headquarters



AV Installed

- Samsung displays
- B-Tech mount
- Extron amplifier and speakers
- Logitech MeetUp



Located in Swinton, Greater Manchester Combined Authority's (GMCA) Fire Service Headquarters serves as the central command hub for Greater Manchester's Fire and Rescue Service. This facility plays a critical role in coordinating emergency response operations, managing fire safety initiatives, and conducting strategic planning for fire and rescue services across the region.

The headquarters is an existing established facility that has undergone various upgrades to meet the evolving needs of the fire service. This facility's position within the city of Salford means it's strategically positioned with access to the rest of the region. **GVAV** were delighted to be selected to provide the design and integration services for this key Blue Light sector training and operations requirement.

With the growing shift towards technology-driven training and communication, GMCA identified the need for a high-quality visual system, commissioning **GVAV** to design and install an advanced solution that would enable realistic training scenarios while supporting hybrid collaboration through a Microsoft Teams integration.

Several site-specific challenges had to be addressed to ensure a successful installation. The primary wall within the training space featured multiple internal windows, preventing direct wall-mounting of the video wall. Lighting conditions and the room's layout rendered traditional projectors and projection screens impractical, necessitating a direct view display solution. A low false ceiling with multiple smoke alarms and air conditioning units further limited the available space for ceiling-mounted equipment and cabling. To overcome these constraints, **GVAV** designed a freestanding video wall solution,

utilising B-Tech mounting systems to ensure stability, adaptability, and optimal viewing angles.

The video wall system consists of nine Samsung VMB-U Series 55" displays configured to form a sleek, high-resolution video wall. The panels were chosen for their ultra-narrow bezels for a near-seamless viewing experience, as well as their 4K capability, ensuring exceptional clarity and colour accuracy. The B-Tech freestanding mount has been used to circumvent wall-mounting restrictions while enabling access from the rear for maintenance purposes.



For the audio system, an Extron XPA U 1002 amplifier was selected for its high efficiency performance and low power consumption, ensuring reliable continuous operation. Two Extron FF220 ceiling drop-in speakers provide clear, evenly distributed audio so videos, training content and video calls can be heard with clarity while being discreet within the ceiling.

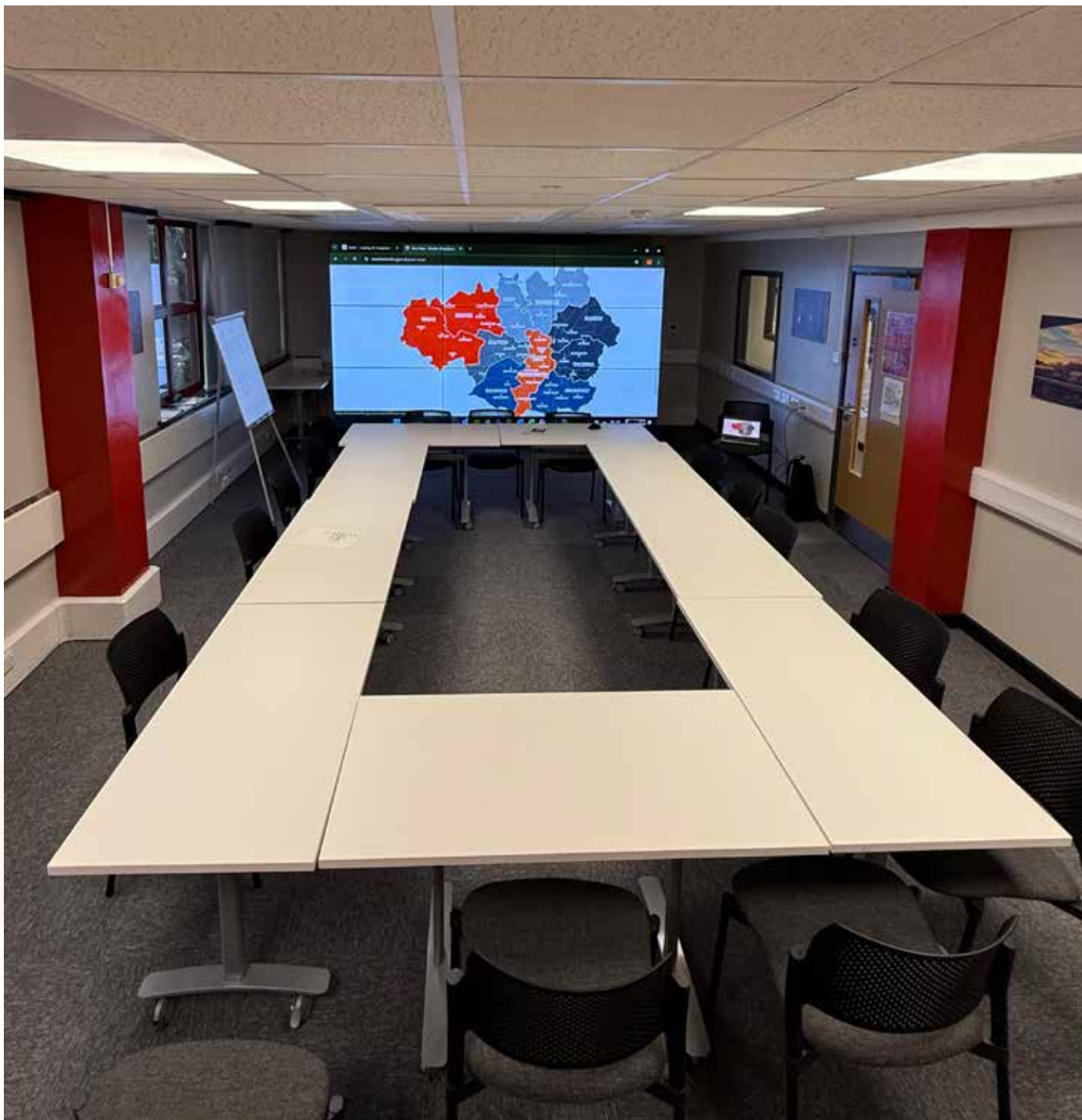
The speakers were also paired with an Extron HDP 101 HDMI to display port converter to allow for daisy-chaining the screens together and converting the signal back to HDMI for easy connectivity.

A Logitech MeetUp all-in-one device has been installed above the video wall. With 4K capability and integrated

beamforming microphone, the MeetUp serves as the room's camera and microphone high quality video conferencing via Microsoft Teams. The Logitech camera also allows staff to watch and assess participants' actions remotely during training sessions.

The completed installation at GMCA enhances the Fire Service's ability to conduct different types of training including through immersive video, for example by displaying emergency simulations in real-time. Configured as a large video wall, the 4K Samsung displays provide clear, reliable content delivery for all users. This multi-purpose space can be deployed for a range of uses including strategic planning, large-scale briefing, video conferencing and presentations.





GVAV's North West team worked alongside GMCA to overcome structural challenges to implement a bespoke AV solution, delivering a system that has been designed to enhance training, preparedness and hybrid communication. This project further underscores **GVAV's** expertise in designing and integrating AV solutions for mission-critical environments, as well as GMCA's reputation as a forward-thinking local authority.

The new facility will bring fresh opportunities for Greater Manchester Combined Authority, equipping it with modern AV technology built for the future to meet the demands of modern fire service operations.

“Going from a 50” TV to a media wall has made the training for the fire safety regulators far more immersive and has created a much more realistic scenario for the training. Whilst this design was purpose-made for the training scenario it has also become a fan favourite for Teams meetings. This is down to the large display, impeccable audio and the Logitech meetup.

Also, we have started to use Matterport software for the real world mapped training, this software alongside the huge 9-screen videowall enables us to be tricked into feeling like we are in the room. GVAV went above and beyond, by proposing a design that gave us maximum benefit from what was a very restrictive space.”

James Branson

Protection Training and Development Manager, GMCA



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



University of Exeter: ADA Computer Labs

Two new computer labs have been designed with a multitude of sharing configurations using Crestron DM-NVX technology.



Nottingham College: E-Sports Suite

A new E-Sports Suite features an interactive teaching display and gaming monitors from ViewSonic, alongside cluster desks from TOP-TEC.



University of London: Senate House

Meeting rooms, teaching spaces and a conference room have been upgraded in the historic Senate House with AVoIP and hybrid technology.



University of Edinburgh: Edinburgh Futures Institute

Four NEC LED displays have been installed at Edinburgh Futures Institute to enhance digital signage capabilities.



Cardiff Business School: VETS Suite

A new virtual teaching suite featuring the X20 OneRoom system, designed for interactive online learning with up to 96 participants.

Every project starts with a BrightIdea.

READ
ONLINE





Ideas
guide



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.



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.

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.



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.



Don't miss out...

Follow
us

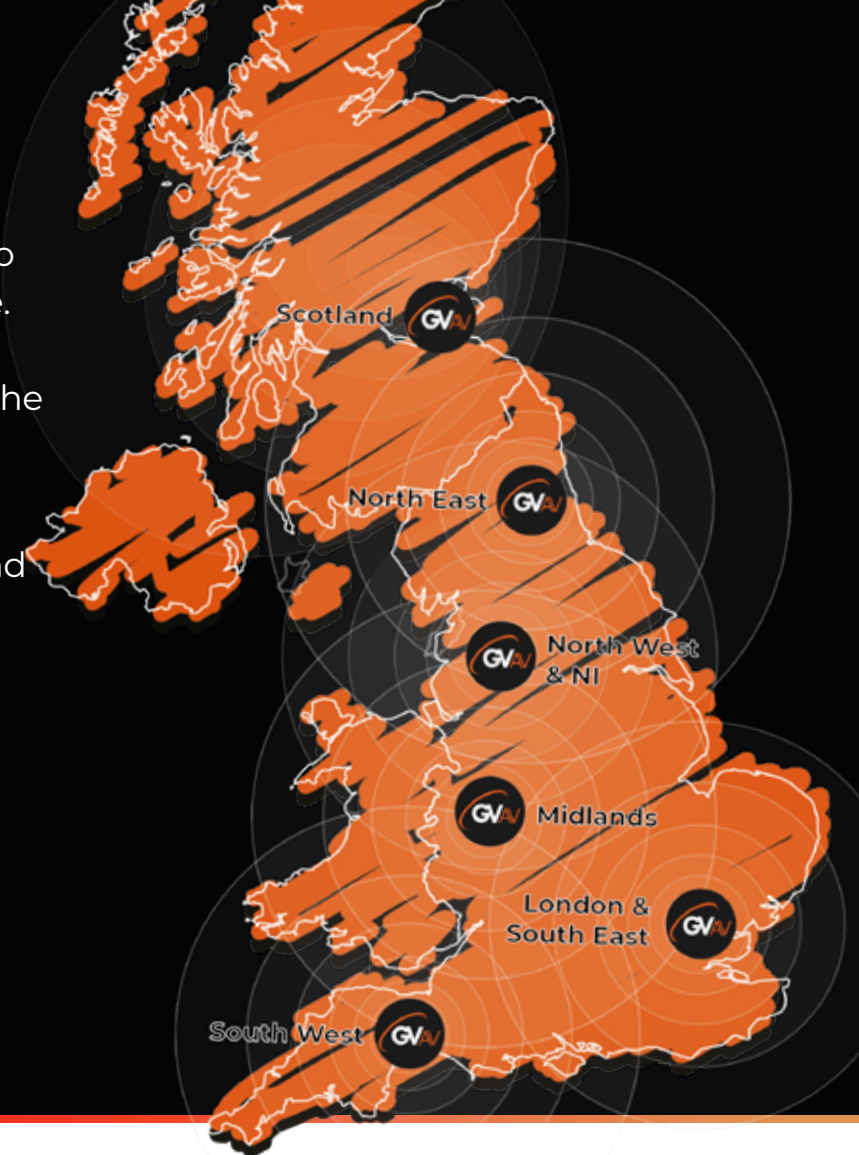


Ready to deliver the systems you need

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.



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!



Head Office (London & South East)

GVAV Ltd Head Office,
676 River Gardens,
North Feltham Trading Estate,
London, TW14 0RB
☎ 0208 8145950
✉ ncutting@gvav.com

South West & South Wales

Unit C, Mushroom Road,
Hill Barton Business Park,
Exeter, EX5 1SB
☎ 01392 499399
✉ rwatts@gvav.com

Midlands & Mid Wales

Unit 20, Swallow Road,
Holbrook Park,
Coventry, CV6 4PU
☎ 01455 221587
✉ kliddle@gvav.com



New address!

North West, North Wales & NI

Unit A7(3) Centenary Court, Walter
Leigh Way, Moss Industrial Estate,
Leigh, WN7 3PT
☎ 01942 884433
✉ jmcgarty@gvav.com



New address!

North East

Unit 6B, Chevychase Court,
Seaham Grange Industrial Estate,
Seaham, County Durham, SR7 0PR
☎ 0191 3039648
✉ matkinson@gvav.com

Scotland

Unit 1B, Kilspindie Road,
Dundee, Scotland
DD2 3JP
☎ 01382 848680
✉ ngraham@gvav.com



New address!

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

