

WyreStorm

CASE STUDIES

BROCHURE



CASE STUDIES

At WyreStorm, case studies play a vital role in how we showcase the real impact of our AV and video distribution solutions. They allow us to tell authentic stories about how our technology transforms spaces, solves complex integration challenges, and delivers outstanding results for our clients across industries. By highlighting these successes, we not only demonstrate the performance and reliability of our products but also help prospective customers clearly envision what's possible with WyreStorm. Case studies strengthen our brand credibility, support our partners in winning new business, and position us as a trusted leader in innovative AV solutions.



EDUCATION



National Graduate School of Applied Sciences and Risk (ENSAR)



MARKET

 Education

COUNTRY/REGION

 France

PRODUCT

NetworkHD 500 Series

ABOUT THE INSTALL

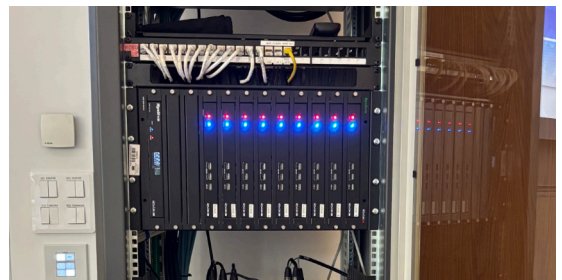
In a world where real-time collaboration and advanced simulations are becoming central to education, the National Graduate School of Applied Sciences and Risk (ENSAR) took a bold step forward. Located on the Niort campus of the University of Poitiers, ENSAR needed to transform a legacy amphitheatre, once limited by a failing projector, into a dynamic, multi-use space that could support modern teaching, cyber crisis training, and immersive simulations.

THE CHALLENGE

ENSAR's amphitheatre had become virtually unusable due to aging display infrastructure. Designed years ago, for traditional lectures, the room was now holding back more interactive and tech-driven learning. A modern curriculum, especially one with a focus on cybersecurity, demands a responsive and flexible AV setup, one capable of handling complex scenarios and multiple data sources in real time.

THE SOLUTION

The team deployed WyreStorm's NetworkHD 500 Series encoders and decoders anchored by the NHD-CTL-PRO controller. The result was a robust AV over IP ecosystem that delivered scalable performance and intuitive operation, without the headaches of legacy systems. The outdated projector was replaced by a striking 3x3 video wall complemented by four lateral side displays (two on each side), for a total of 13 independently addressable screens. These displays are managed effortlessly using WyreStorm's NetworkHD Touch app, available for iPad and Android tablets.





Chitkara University



MARKET

 Education

COUNTRY/REGION

 India

PRODUCT

NetworkHD 100 Series

ABOUT THE INSTALL

Established in 2002 by the Chitkara Educational Trust, Chitkara University is one of North India's leading private universities, known for its industry-aligned, multidisciplinary programs. With multiple campuses across Punjab, Himachal Pradesh, and the Tricity region, the university continues to invest heavily in modern learning environments that support collaboration, hybrid education, and large-scale events.

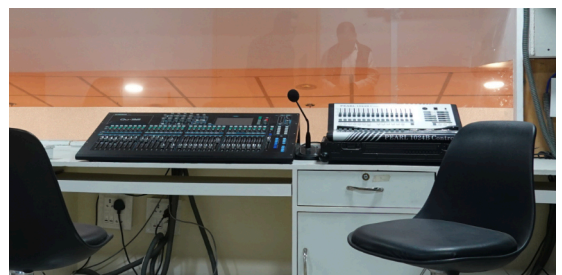
THE CHALLENGE

Chitkara University faced ongoing challenges with its legacy AV systems across auditoriums, large classrooms, and executive meeting spaces. These included system instability, limited scalability, inconsistent user experiences, and difficulty supporting modern teaching methods such as hybrid lectures, guest sessions, and content recording.

The university required a standardized, scalable AV over IP platform that could deliver reliable 4K performance, simplify control for non-technical users, and support future expansion without redesigning the entire infrastructure.

THE SOLUTION

WyreStorm, in partnership with local integrator Pro Solution Inc., implemented a unified AV-over-IP ecosystem across multiple campuses. Large auditoriums were upgraded with NetworkHD solutions for stable 4K video, seamless switching, and centralized control. Classroom mini-auditoriums gained flexible HDBaseT connectivity, PTZ cameras, and hybrid learning support. Executive meeting spaces now feature intuitive, cable-light UC systems enabling efficient wired and wireless collaboration.





Masaryk University



MARKET

 Education

COUNTRY/REGION

 Czech Republic

PRODUCT

NetworkHD 100 Series

ABOUT THE INSTALL

The historic Masaryk University (MUNI) building in Brno now hosts a state-of-the-art multifunctional room for over 100 participants. Opened in September 2024, it features AI-powered transcription and structured remote meeting capabilities, designed to enhance democratic processes, improve emergency responses, and serve as a model for other public institutions.

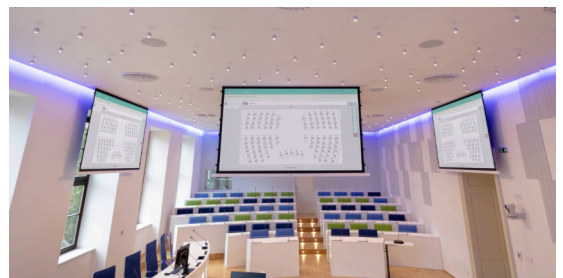
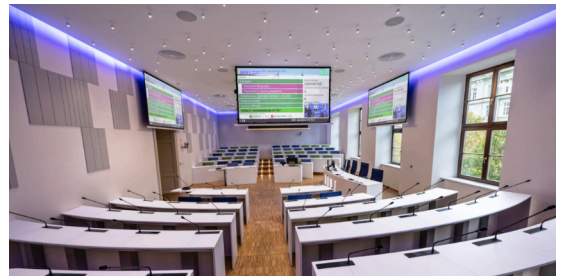
THE CHALLENGE

Ondřej Pavelka, System Specialist from Audiopro, shares the challenges encountered during the installation. “The biggest hurdle was distributing video content with the lowest possible latency to ensure the lip-sync delay remained within acceptable limits. At the same time, we needed to incorporate Dante audio into one of the receivers, which serves as the interface to the AI-enabled cloud where transcription occurs.”

THE SOLUTION

For audiovisual content distribution, Audiopro once again relied on proven technology from WyreStorm. The system is based on WyreStorm’s NetworkHD 500 series, specifically designed for environments demanding top-tier image quality and precise sound synchronization. It supports 4K video at 60Hz with HDR, making it ideal for large conference rooms, classrooms, or any setting requiring high transmission quality and reliability.

This is yet another example of a technological milestone as it features the first live implementation of the newly introduced DANTE AV-A technology, only weeks after its launch.





University of Sunderland



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 500 Series

ABOUT THE INSTALL

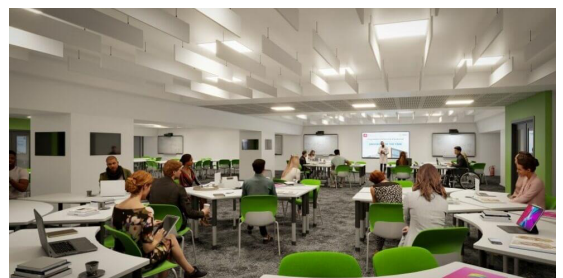
The University of Sunderland 's £8 million Murray Health building refurb has completely transformed it into a modern educational hub for the School of Medicine and School of Psychology. The new building provides innovative and state-of-the-art facilities to the School of Medicine. The centre piece being TEAL – a 120-person Technology Enhanced Active Learning Space. Working alongside the University, the objective was to create a cutting-edge, interactive learning environment using advanced audio visual technology.

THE CHALLENGE

Video management features a 4K presentation switcher/scaler for optimised video handling, complemented by WyreStorm's NetworkHD series for reliable networked AV distribution via NHD-500-E-TX and NHD-500-E-RX encoders and decoders. The NetworkHD 500 series offers a full HDMI 2.0 AV over IP solution and is capable of encoding up to 4K60 4:4:4 8bit and support for high framerate Dolby Vision, HDR10 and HLG content.

THE SOLUTION

The AV system transformed the Murray Health building into a dynamic educational environment. It supports various teaching methods, including traditional lectures, group work, and simulation based learning. The flexible setup enhances student engagement and collaboration. The AV system met the diverse learning needs of students and proved to be a transformational addition to the School of Medicine. The University expressed gratitude to Roche for their support throughout the project, from design to full implementation.





University of Bedfordshire STEM Building



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

As part of a £180 million modernisation project, the University of Bedfordshire's new STEM building on the Luton Campus is set to shape futures around the globe. The new building provides over 6000m² of new teaching space dedicated to engineering, computer science, health and life sciences. The cutting-edge facilities will see the university expand its course portfolio, grow student numbers and actively promote STEM learning.

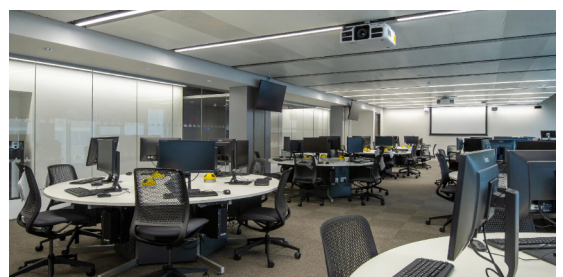
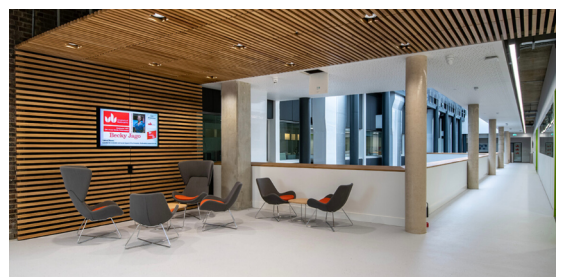
THE CHALLENGE

The challenge was to deliver a flexible, futureproof audiovisual solution able to create an engaging and collaborative learning experience for STEM staff and students. The £500k audio visual project required the installation and commissioning of multiple spaces including labs, clean rooms, classrooms, collaboration spaces and other specialist rooms.

THE SOLUTION

Each lab and teaching space contains multiple display devices ranging from a couple of projectors up to, in some of the larger teaching spaces, eight or nine LED displays or a combination of LED screens and projectors. Using WyreStorm's 400 Series AV over IP solution, each display is connected to the universities network.

The location of the teaching point is selected by the lecturer according to the class size and desired configuration of the space. The use of WyreStorm's 400 Series AV over IP solution means that the lectern, once in position, can be quickly joined to the network via a single cable connection into a network socket.





Exeter College Digital and Data Centre



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

The South West Institute of Technology (SWIOT) Digital and Data Centre at Exeter College is a new £10.3 million building at the heart of the college, built to revolutionize digital, engineering and manufacturing technology education. The state-of-the-art facility will provide students with opportunities in the digital sector, including courses around data analytics, cyber security, and software development.

THE CHALLENGE

Integrator was tasked with implementing AV across a range of spaces, including a multi-use 100-seat lecture theatre with hybrid learning capabilities, multiple classroom spaces and three video walls situated in the reception area. High quality audio and video were a priority for this project, and specialist solutions were required for successful implementation.

THE SOLUTION

An AV over IP system was installed as a logical solution for an easy to operate system. By utilizing WyreStorm's NetworkHD 400 Series and with Dante audio compatible receivers, end users are able to move lecture positions with only a single cable. With network infrastructure that supports 10Gbps, 4K video and audio would be supported seamlessly, eliminating the need for complicated patch panels, while providing the option to expand the system in the future.





Keele University Central Science Laboratories



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

Keele University's Central Science Laboratories (CSL) is a new, four-floor, state-of-the-art building, for both postgraduate and undergraduate students. Part of a £45m investment by Keele University into its science facilities, it includes open plan teaching and research laboratories alongside student social learning spaces.

THE CHALLENGE

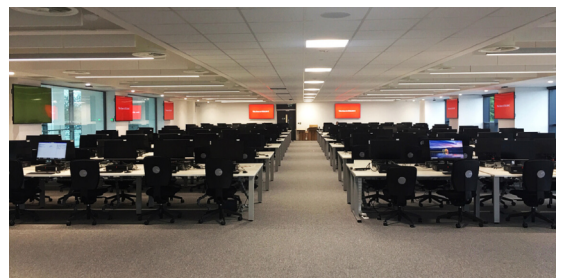
The £250K audiovisual contract, covering a number of open learning spaces over four floors with large-format displays located in each learning space, required the provision of a configurable solution to work alongside the flexible set-up of the learning spaces, with high-quality sound and visual reproduction and an easy to understand interface.

A system which could be expanded at a later stage and also distribute HD signals to any endpoint was essential.

THE SOLUTION

The solution that was decided on was WyreStorm's 400 Series AV over IP, with each display in the learning spaces having a dedicated IP receiver, allowing for flexibility as to what content each screen displays.

The flexibility of the AV system has been an important design feature, and by keeping the control simple, allows academics the freedom to apply different teaching approaches, in turn enabling students to benefit from a variety of learning delivery styles.





Keele University Smart Innovation Hub



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

Keele University's Smart Innovation Hub is a new, state-of-the-art building consisting of learning spaces for the Keele Business School, as well as meeting rooms for Staffordshire County Council and other building tenants.

THE CHALLENGE

From an AV perspective, the solution needed to be modern, resilient, easy to use and offer a long shelf life. From an academic perspective, the solution had to deliver high quality sound and visual reproduction through an easy to understand control interface.

THE SOLUTION

The Digital Suite, a room typically used for stock market simulation, uses a WyreStorm NetworkHD 400 Series AV over IP solution to distribute content from any of the 24 PC's onto a choice of three Philips large format displays on demand.

The AV set-up has delivered a fantastic new modern learning space with the latest technology. The collaborative technology used in the Digital Suite is not only highly valued by the teaching staff, it is also a huge bonus to the learning experience.

Feedback from academics has been about how easy the system is to use, with an easy to follow user interface which is carried over different rooms making setting up AV simpler for staff who use various spaces.





Keele University Smart Innovation Hub



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 100/200 Series

ABOUT THE INSTALL

The Horwood Energy Centre at Keele University houses the Smart Energy Network Demonstrator (SEND). A facility used by Central and Local Government, research communities, the energy industry, independent business and local communities to test and evaluate new and evolving energy technologies.

The building includes a dedicated on-site learning space, complete with a presentation area, hot desk seating and a video conferencing enabled meeting room.

THE CHALLENGE

A key requirement of the audio visual solution was to create an impressive presentation space for all users, including postgraduates and visiting speakers. The system needed to be easy to use, have a simple user interface, and enable content deployment from a separate control room.

THE SOLUTION

To meet this requirement, the WyreStorm NetworkHD 100/200 AV over IP system was installed, enabling content to be displayed on a 2x2 video wall. 4 repeater screens, complete with AV over IP receivers were also added at postgraduate hot desks to enable the same content to be relayed to the screens upon request.

The video wall has made a great impact when visitors enter the space and the WyreStorm AV over IP solution has created a quick and easy way to view and access key information from the demonstrator.





University of Hertfordshire



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 100/200 Series

ABOUT THE INSTALL

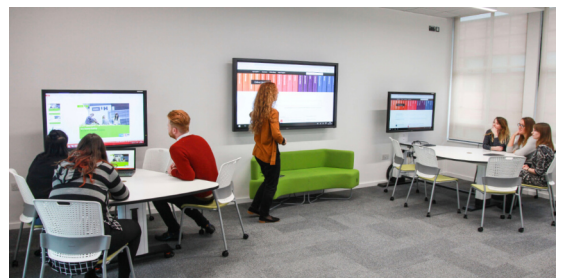
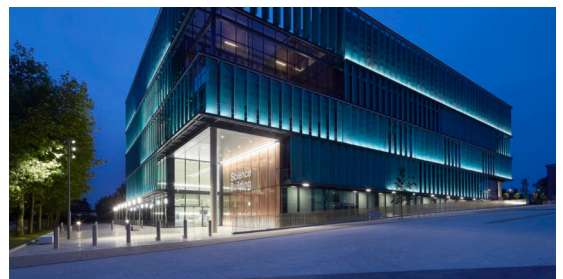
Embarking on their journey, students of scientific exploration begin at the teaching laboratories, research space, computer facilities and simulation suites in the University of Hertfordshire's new £50m (\$62m) science building just north of London.

THE CHALLENGE

As with all its campus redevelopment projects, the university's science building endeavoured to deliver a landmark, iconic building – both in terms of its architectural and interior design, and the design of the AV distribution and control throughout the medical and pharmacy simulation centre, science and computer labs and all class and meeting rooms. Although previous applications had been based on the HDBaseT platform, in the spirit of innovation, it was encouraged to think outside the box in terms of a distribution solution for this project.

THE SOLUTION

An innovative response to the tender was needed that comprised of video and audio distribution using an AV over IP delivery solution. Due to its ability to seamlessly route any source to any display in the building, and potentially the entire campus, without dedicated cabling, WyreStorm's NetworkHD was chosen. As with any project, budgets were tight and the decision to move to entirely new technology platform was not taken lightly, however, compared to previous solutions used by the university, NetworkHD's increased performance with lower cost of components and infrastructure ultimately made the decision a no-brainer.





London Metropolitan University



MARKET

 Education

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

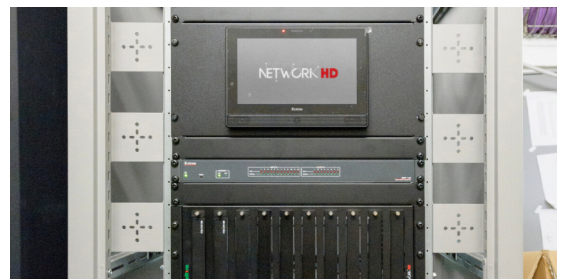
London Metropolitan University came into existence in 2002, with the merger of the University of North London and the London Guildhall University. In 2006, as part of an ambitious programme to make the institution a leading choice for science students, London Metropolitan University invested more than £30 million developing a state-of-the-art Science Centre. At the time, the 'Superlab' as it has become known, achieved a host of firsts. It was the first open plan laboratory that offered the whole range of science to be carried out simultaneously at 280 work stations and the first educational lab to use advanced AV technology as a central part of teaching and learning.

THE CHALLENGE

Ten years after its construction and in order to maintain the excellent standards it had set, the University addressed issues surrounding the Superlab's legacy technology, which had over time, become less than fit for purpose and somewhat unreliable, with many elements of the system simply no longer serviceable, and as a result, very often unavailable.

THE SOLUTION

Given that science experiments would be at the heart of the content, there could be no room for anything less than crystal clear video. It was determined that an AV over IP system was the way to proceed. WyreStorm's NetworkHD 400 Series was selected to carry signals from the source units and encode them to JPEG2000 data streams. These streams are transmitted through the existing Cat5 infrastructure to 268x WyreStorm decoders assigned to each of the displays located at the student work stations.



HOSPITALITY



Hollywood Bowl



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 120 Series

ABOUT THE INSTALL

As part of a £4.5 million investment, the Hollywood Bowl Reading at The Oracle has become a flagship venue for the UK's leading ten-pin bowling operator, The Original Bowling Company. Known for transforming bowling into a social experience that blends technology, atmosphere, and fun, the brand's goal was clear: to build a venue that would feel energetic, connected, and effortless to manage.

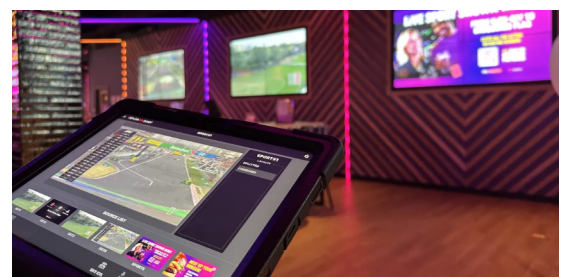
THE CHALLENGE

Hollywood Bowl needed a high-performance audiovisual infrastructure that could energize the customer experience from the moment guests walked in. The project required vibrant visuals across multiple zones, bowling lanes, bar, and reception, all tied together through flexible digital signage capable of switching between live sports, promotional content, and interactive media.

THE SOLUTION

WyreStorm deployed a NetworkHD AV-over-IP solution designed around the WyreStorm 120 Series. The installation featured:

- 10x NHD-120-TX encoders and 23 NHD-120-RX decoders for low-latency 4K (3840 × 2160p) @ 30Hz 4:2:0 8bit transmission
- 1x NHD-CTL-PRO-V2 NetworkHD Controller for centralized system management
- Companion Control License for 6 tablets, enabling staff to manage every screen directly from the floor
- Single EXP-SP-0104-H2 1:4 Out HDMI Splitter
- Integration with Optimal Audio Zone Control, Philips Video Walls, and LG Commercial Displays





The Castlereagh Club



MARKET

 Hospitality

COUNTRY/REGION

 Australia

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

Located in the heart of Sydney, Australia, The Castlereagh Club is a modern venue that blends premium hospitality, sports entertainment, and fitness facilities into one dynamic destination. Tasked with transforming an empty shell into a state-of-the-art audiovisual environment, the project team sought a reliable, future-ready solution that could deliver intuitive control, flexible content distribution, and outstanding audio-visual performance.

THE CHALLENGE

Each of the 22 function rooms feature a permanent cabling infrastructure augmented by portable equipment to serve the varying daily requirements. The small-and medium-sized rooms are kitted out with a general purpose sound system utilising a ceiling speaker array and local input plates connecting to projector positions.

THE SOLUTION

To meet these requirements, WyreStorm's AV distribution and control solutions were deployed as the backbone of the installation. To bring this solution to life, a robust lineup of WyreStorm's NetworkHD 400 Series encoders, decoders, and controllers was deployed. The system utilized:

- 12 x NHD-400-E-TX and 20 x NHD-400-E-RX units to enable flexible video distribution across multiple zones,
- 5 x NHD-400-DNT-TX units to support audio integration via Dante™
- 8 x NHD-400-RX and 2 x NHD-400-TX units for additional endpoint coverage, and a centralized NHD-000-CTL controller to manage system communication and streamline operations through the NetworkHD Touch interface.





Swingers Crazy Golf



MARKET

 Hospitality

COUNTRY/REGION

 United States

PRODUCT

NetworkHD 500 Series

ABOUT THE INSTALL

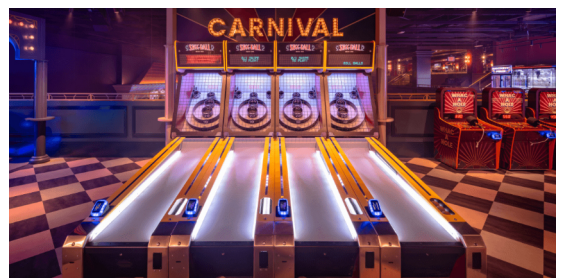
Swingers started in 2014 as a pop-up in Shoreditch, London, founded by Matt Grech-Smith and Jeremy Simmonds to test the concept of combining crazy golf with cocktails and street food. The success of this pop-up led to the first permanent location opening in the City of London in May 2016, followed by a second venue in Oxford Circus in 2018. The Las Vegas location opened in November 2024, and represents the biggest project in the company's history, with Swingers taking up a huge 40,000 sq. ft site inside the Mandalay Bay Resort and Casino.

THE CHALLENGE

For video content distribution, MSL needed a solution that was not only flexible and easy to use but also capable of delivering top-tier 4K 4:4:4 resolution. With multiple content sources, including QSR systems, media players, and digital TV, flowing through the venue, the system had to seamlessly distribute high-quality visuals across a large network.

THE SOLUTION

To meet these demands, MSL deployed a WyreStorm NetworkHD 500 solution with integrated touch control, ensuring smooth and efficient content distribution across Swingers Las Vegas. The system powers 17 LG displays, strategically placed throughout the venue, with 12 screens located around the two bustling bar areas. "With ONELAN digital signage players managing the content, we can dynamically send video to specific screens via the WyreStorm AV over IP solution," explained Billington. "This flexibility allows us to direct different content to different displays as needed, creating a seamless and immersive guest experience."





Formula One Arcade: Birmingham



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 500 Series

ABOUT THE INSTALL

To build upon the recent success and collaboration at the world's first official Formula 1 simulator racing experience at F1 Arcade London, WyreStorm was used again to create an exhilarating F1 racing encounter, crafted to evoke a sense of champion status. F1 Arcade delivers the full spectrum of excitement, allure, and exhilaration associated with Formula 1 through custom-made full-motion racing simulators, ensuring an ideal social gaming experience.

THE CHALLENGE

To bolster the F1 experience, a variety of large-screen TVs, a multi-zone video distribution and audio system, and a captivating LED video wall display was installed. In addition to these technological enhancements, a selection of specialised lighting effects to accompany a feature piece life-sized F1 car suspended from the ceiling was added.

THE SOLUTION

All the areas within the F1 Arcade were broken down into various zones. The content that needed to be shown in each of these zones could be transmitted to using WyreStorm's NetworkHD 500 AV over IP solution, with the addition of being controlled via WyreStorm's state-of-the-art NetworkHD Controller.

Furthermore, the WyreStorm solution allowed F1 Arcade Birmingham to manage and distribute audio signals alongside the high-definition video content within their AV system, enabling synchronized transmission of audio streams to multiple endpoints, ensuring an immersive and cohesive audio-visual experience.





Jacksons on George



MARKET

 Hospitality

COUNTRY/REGION

 Australia

PRODUCT

NetworkHD Series

ABOUT THE INSTALL

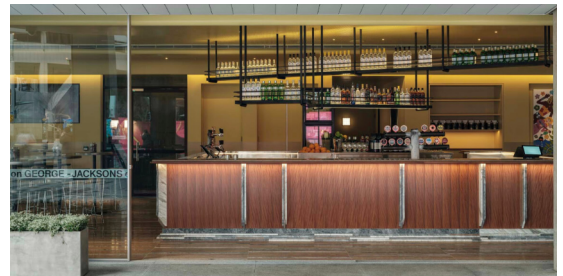
The current building offers three floors of different styles of hospitality. The ground floor is a Public Bar, the next floor up is the Bistro where diners can enjoy a wide-ranging menu that caters to all tastes, plus there is a private dining room for intimate events and celebrations. The top floor, not surprisingly called The Rooftop, is a mix of a well-featured bar and an open-air venue where patrons can take in the stunning cityscape around them and the stars at night.

THE CHALLENGE

With such a diverse audience across the three venues, the AV installation required a flexible and reliable network that could deliver exactly the right program and content where it was needed while at the same time, keeping things simple for the inhouse staff to operate. The final design involved a large number of display screens, some projection, audio zones, and peripherals such as microphone and data connection points.

THE SOLUTION

A system utilising reliable video over IP was the answer. At the heart of the whole AV network is a WyreStorm NHD-CTL-PRO v2 controller – the unit being a compact version of the NHD-CTL-PRO – feeding a pair of Pakedge MS Series MS-2424 switches. Next in line is seven WyreStorm NHD-110-RX v2 decoders and seven WyreStorm NHD-110-TX encoders. These have the entire venue covered when it comes to displays and audio outlets. They also allow for additional AV to be brought in for special events such as the Melbourne Cup, and this can be connected and programmed without needing further network hardware.





Formula One Arcade: London



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

F1 Arcade is a thrilling new racing experience designed to make EVERYONE feel like a champion. A world first premium Formula 1® experiential venue, it perfectly recreates the excitement and emotion of the sport from the circuit to the city. With 60 full-motion racing simulators and incredible food and cocktail menus, F1 Arcade caters for an electric atmosphere creating the perfect social gaming experience for both F1 fans and newcomers to the sport.

THE CHALLENGE

As this was a complete refurbishment of the venue, strict timelines had to be met and work had to be completed around other trades and contractors. The acoustics posed a further challenge. The speakers placed around the venue had to be positioned to accommodate for acoustic and audio leakage to the surrounding buildings and offices above.

Christopher Whitlock, Technical Director at TVC states; "It was a real team effort, and of course, there were times when we needed to be flexible with the other elements of the ongoing project, but we had a great relationship with our client, which really helps."

THE SOLUTION

To get all the video content to the plethora of screens around the F1 Arcade, TVC called upon the award-winning NetworkHD™ 400 Series, which offers stunning 4K HDR video, multi-channel audio support and 4K/2K auto-scaling to seamlessly handle distribution of mixed resolution sources, content and display devices over a 1GbE network.





Macclesfield Town FC & Community Hub



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

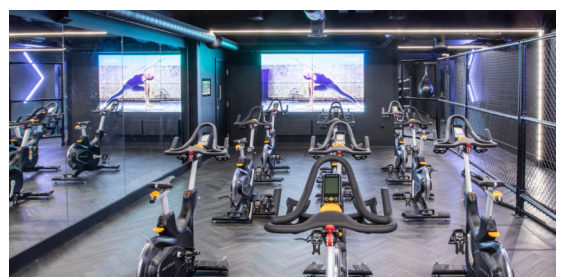
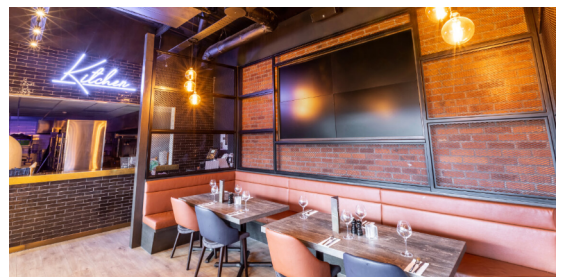
The new-look Macclesfield Town complex, which is open to the public all-year round, is the brainchild of Rob Smethurst, whose plan for multiple revenue streams includes an all-weather pitch, refurbished stands and floodlights, a thriving youth football academy, two state-of-the-art private membership gyms and a large sportsbar/restaurant, dubbed 'Bar Twenty-Seven'. In keeping with new décor and generously equipped health and social spaces, the club also sports the latest AV systems.

THE CHALLENGE

The initial plan was to install a couple of TVs and sound-bars in the club's boardroom. Upon arriving at the club, plans were discussed for a larger scale AV distribution, supplied as part of a full refurb. With Habitech's support, the idea of spectacular high quality video walls and evenly distributed wide bandwidth sound to go with them. This would deliver the new experience that would get customers talking about the club and coming back in greater numbers.

THE SOLUTION

The club wanted to make a statement with a state-of-the-art AV experience. The vision was to incorporate large 2x2 video walls around multiple areas of the install. The video walls themselves are positioned in the Sports Bar and the two gyms, and are flanked by a vast amount of single screens. All these screens are connected to Sky and Freeview through WyreStorm's NetworkHD 400 Series 4K AV over IP Encoder & Decoders.





Casino 36



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 200 Series

ABOUT THE INSTALL

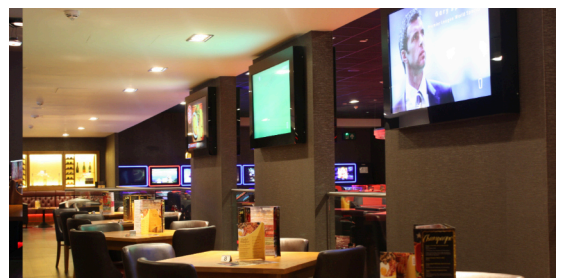
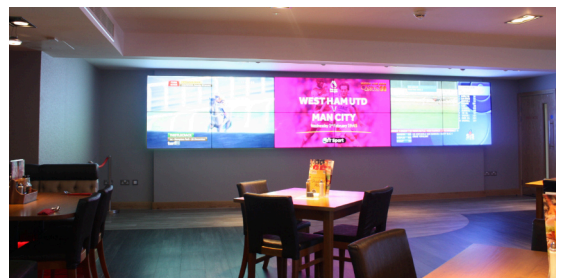
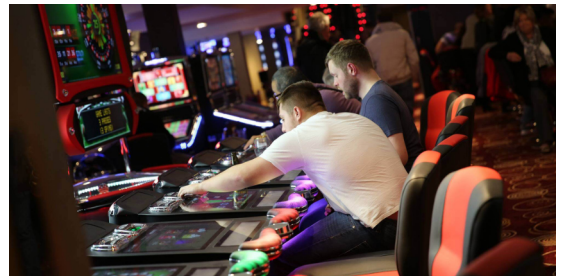
The \$9.43 million project represents a whole new concept in gaming and entertainment. Casino 36 is open 24-hours, 364 days a year, with its 12,000 square foot gaming space home to 80x slots and 24x gaming tables, alongside sports betting, a champagne lounge, VIP area, two restaurants, a café and bars.

THE CHALLENGE

It was clear that the casino wanted something completely new and bespoke to differentiate themselves from the competition. The challenge was to distribute content to individual 42inch, 50inch and 60inch screens located around the venue. Further content needed to be provided to a trio of 2x2 video walls in the sports bar and grill VIP zone, and another three 2x2 walls in the live sports betting area.

THE SOLUTION

With top quality big screen entertainment an essential component (not to mention compliment) to all that gaming, rock solid delivery of AV to all zones throughout the venue was handled by WyreStorm's award-winning NetworkHD 200 Series HD over IP solution to provide the entertainment firepower over a 1GbE backbone.





Seamill Hydro - Firth Pavilion



MARKET

 Hospitality

COUNTRY/REGION

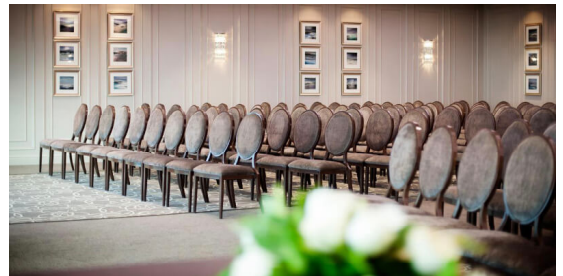
 United Kingdom

PRODUCT

NetworkHD 200 Series

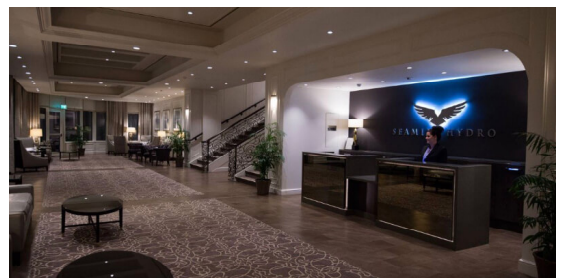
ABOUT THE INSTALL

The Victorian-style Seamill Hydro Hotel is the epitome of modern luxury, nestled into the Ayrshire countryside and overlooking the Isle of Arran in Scotland. The family-owned hotel has undergone major renovations in the past decade to make the property even more spectacular. Most recently, the hotel completed a \$13 million construction project, building a wedding and conferencing venue on the property named the Firth Pavilion.



THE CHALLENGE

Everything in the space is designed to play off the stunning panoramic views of the Ayrshire coastline and the mountain range of Arran. Along with attention to decorative details, technology plays a key role in the venue and includes high-end lighting, shading, video, audio, and security equipment. These systems called for a fully integrated control and automation system that would allow the staff to enhance the space. With the goal of creating an incomparable space, the hotel owners envisioned a system capable of elegant automation that would make weddings and other events truly memorable.



THE SOLUTION

The biggest priority for the system was creating an automated control sequence to create unforgettable bridal entrances. WyreStorm's NetworkHD 200 series was the distribution option of choice throughout the install; paired with control options from RTI which allows the owners and general manager have overall control of everything on the system.





Ochiltree Community Hub



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

MXV-0404-H2A-KIT

ABOUT THE INSTALL

Ochiltree community hub was born from the Charity formed in 2014 to improve and build on a strong community bond with a clear aim. The aim was to provide multiple multimedia enabled spaces that are flexible enough to change the purpose of any room with minimal notice and to have a state of the art cinema for the community to enjoy the latest movies and audio with the best clarity possible within the budget.

THE CHALLENGE

The main hall, which seconds as a high ceiling gymnasium was notorious for sound reflection and echo. Furthermore, this was to be used as a multipurpose hall, so had to ensure the security of the equipment. The hall would be divided into two working spaces. The challenge that arose here was the throw distance for the projector. This was the distance from the screen and the amount of light needed to give a satisfactory image brightness in the room.

THE SOLUTION

To overcome these challenges, a host of technology innovations including a WyreStorm MXV-0404-H2A-KIT video distribution system was installed to provide matrixed video to the two conference rooms, the café area and the projection system in the main hall. A WyreStorm HDBaseT In-Wall transmitter and receiver was used to give clients the ability for local device input, and send their video to the projector in the main hall.





Finch Nightclub/Live Venue



MARKET

 Hospitality

COUNTRY/REGION

 United Kingdom

PRODUCT

MXV-0404-H2A-KIT

ABOUT THE INSTALL

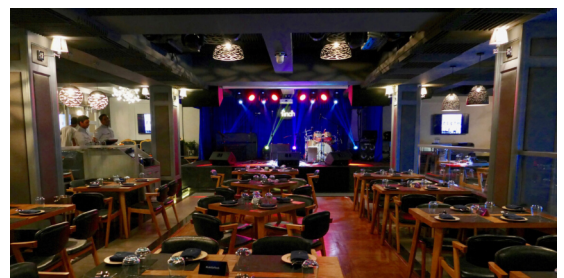
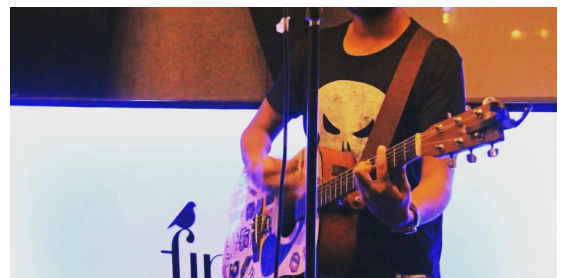
Ochiltree community hub was born from the Charity formed in 2014 to improve and build on a strong community bond with a clear aim. The aim was to provide multiple multimedia enabled spaces that are flexible enough to change the purpose of any room with minimal notice and to have a state of the art cinema for the community to enjoy the latest movies and audio with the best clarity possible within the budget.

THE CHALLENGE

The main hall, which seconds as a high ceiling gymnasium was notorious for sound reflection and echo. Furthermore, this was to be used as a multipurpose hall, so had to ensure the security of the equipment. The hall would be divided into two working spaces. The challenge that arose here was the throw distance for the projector. This was the distance from the screen and the amount of light needed to give a satisfactory image brightness in the room.

THE SOLUTION

To overcome these challenges, a host of technology innovations including a WyreStorm MXV-0404-H2A-KIT video distribution system was installed to provide matrixed video to the two conference rooms, the café area and the projection system in the main hall. A WyreStorm HDBaseT In-Wall transmitter and receiver was used to give clients the ability for local device input, and send their video to the projector in the main hall.





Buffalo Wild Wings



MARKET

 Hospitality

COUNTRY/REGION

 United States

PRODUCT

NetworkHD 100 Series

ABOUT THE INSTALL

In 1982, Buffalo Wild Wings was founded after the owners failed to find any restaurant serving Buffalo-style chicken wings to eat, so they decided to open their own. The company began to franchise in 1992 and by October 1999, the 100th location opened. Starting in 2016, the new restaurants being built follow a new type of layout that gives the guests the feeling as if they were actually in a sports stadium. In December 2018, the brand unveiled a new restaurant design featuring a more prominent bar area, flexible seating areas, VIP spaces and large arena-like video screens with anti-glare technology.

THE CHALLENGE

The task was to provide a fully controllable audio and video system supporting the distribution of 12x DirectTV boxes, a single Cablevision box and a Sony Blu-ray player to over 50 commercial displays and projectors, throughout the venue, including three audio zones and restaurant bathrooms.

THE SOLUTION

Buffalo Wild Wings needed a system that was reliable but easy to implement, and one that would give them the sophisticated output switching required. WyreStorm's NetworkHD system offered everything they were looking for, particularly for a first installation.





Elite Football Training Centre



MARKET

 Hospitality

COUNTRY/REGION

 Australia

PRODUCT

NetworkHD 200 Series

ABOUT THE INSTALL

Elite Football Training Facility is the gold standard on the field. It is a state of the art indoor/outdoor football complex that provides numerous possibilities in terms of indoor/outdoor football. Based in Maribyrnong, it is the only indoor sports facility of its kind in Melbourne.

THE CHALLENGE

The challenge throughout this project was distributing content to the highly visible centerpiece of the project; a 3x3 video wall comprising 9x Phillips Display Panels, 20m lengths of Vuepix LED advertising signage that hug the perimeter of each pitch and 4x indoor LG 75" Display Panels and 1x outdoor VuePix LED Display installed in front of each football pitch.

THE SOLUTION

When it came to AV signal management, the team at Elite Football were in the market for an economical, value-for-money control solution that was both user-friendly and reliable. The use of a traditional audio visual matrix was discussed at the planning stage, but after some evaluation, WyreStorm's NetworkHD AV over IP solution emerged as the preferred system. Paired with the award-winning free NetworkHD Touch control app, user control is as simple as drag 'n' drop. All inputs appear in 'real time' at the bottom of the screen, allowing users to drag their chosen input and drop it in any of the configured outputs zones – on either individual screens or the video wall.





Rockhampton Leagues Club



MARKET

 Hospitality

COUNTRY/REGION

 Australia

PRODUCT

NetworkHD 100/200 Series

ABOUT THE INSTALL

As one of the region's premier sports, social and community clubs for a number of years, Rockhampton Leagues Club was established in 1971 and from humble beginnings has gone on to become arguably the leading club in Queensland. With a well-earned reputation as a club that has "something for everyone", its initial main purpose was foster and support Rugby Leagues in the area and improve the facilities of the clubhouse for its members.

THE CHALLENGE

A recent upgrade of the Club's AV and IT facilities was all the more important in terms of providing the level of service the venue had itself become renowned for. In addition to the large central bistro and lounge bar areas overlooking the main sports field, the club includes a foyer, restaurant, coffee shop and gaming room – which all feature AV distribution to screens located throughout each area. AV distribution was also required to three function rooms supporting a capacity of over 500 dinner guests, four conference rooms for further corporate, training and private hire applications and multiple offices throughout the venue.

THE SOLUTION

The requirements of the AV upgrade were very much dictated by the venue and how it is used, both presently and in the future. After consideration of suitable technologies available, a WyreStorm NetworkHD 200 Series AV over IP solution was chosen. The system was required to support a variety of devices, including Foxtel set-top boxes, Blu-ray, CCTV, audio processing, wireless microphones and amplification.





Mob Museum



MARKET

 Hospitality

COUNTRY/REGION

 United States

PRODUCT

HDMI Matrix Solutions

ABOUT THE INSTALL

The Mob Museum, the National Museum of Organized Crime and Law Enforcement, is a world-class destination in downtown Las Vegas that presents an exciting and authentic view of the impact of organized crime on Las Vegas history and its unique imprint on America and the world. Completed in 1933 and listed on the Nevada and National Registers of Historic Places in what many consider the ultimate artifact – a former federal courthouse and United States Post Office in which many of the Kefauver Committee hearings on organized crime were held.

THE CHALLENGE

Throughout the museum, history is brought to life via engaging exhibits and multi-sensory experiences that put the visitor in the middle of the action. It is with this in mind that the client asked for a flexible and reliable multifunctional audiovisual and IT distribution in two areas in particular on different floors, that were able to seamlessly incorporate the various devices and technologies required for the different uses of the room.

THE SOLUTION

The client already had two motorized projector screens on either side of the room serving two newly installed 7K projectors, with the existing projectors repositioned and re-purposed to another centre screen. However, the client needed a reliable video switching system capable of distributing HDMI content from various local and remote sources and chose a combination of a local WyreStorm HDMI matrices with each HDMI output connecting to one of the local projectors and two HDMI inputs for local device connection.





Striders Sports Bar



MARKET

 Hospitality

COUNTRY/REGION

 United States

PRODUCT

NetworkHD 200 Series

ABOUT THE INSTALL

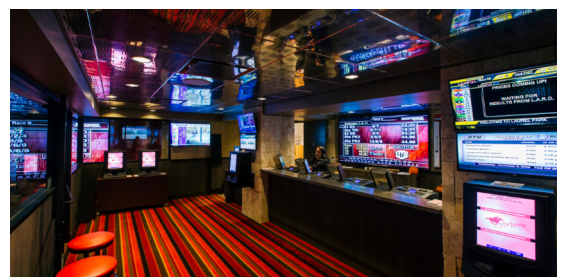
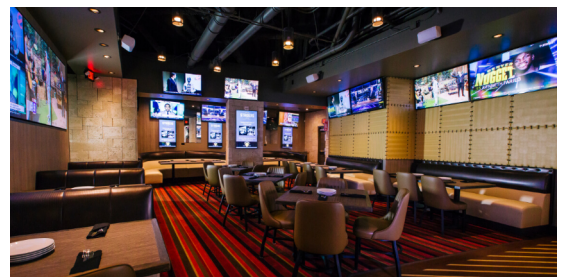
Alongside the high quality casual dining, craft beers and classic cocktails, its wall-to-wall sports that's on the menu at Striders in San Diego, California, that shot this premiere sports bar, eatery and horse race betting venue into the major leagues.

THE CHALLENGE

Aside from the array of delectable dishes and ice-cold brews, it is the quality of AV that is the cornerstone of any modern sports bar to provide a viewing experience and atmosphere that keeps clientele coming back for more. However, as Striders is no ordinary sports bar, the AV had to be a cut above to make it one of the best venues sports fans will ever set foot in. The venue itself is divided into six separate AV zones over two levels, with the 150 HD screens incorporating landscape and portrait orientation, including double sided screens on custom mounts, mosaic displays and interactive touchscreens.

THE SOLUTION

The result was a scalable system of 30 centrally-located sources fed to 150 high definition screens and video walls over both floors, with the hybrid distribution of WyreStorm NetworkHD 200-Series AV over IP and HDBaseT extenders proving instrumental to success of the project. The scalability of the system, combined with its ease of expansion via plug and play connectivity and Bonjour auto-discovery of devices were all deciding factors in specifying NetworkHD for the project.



CORPORATE



Azadea HQ



MARKET

 Corporate

COUNTRY/REGION

 Jordan

PRODUCT

MX-0402-MST

ABOUT THE INSTALL

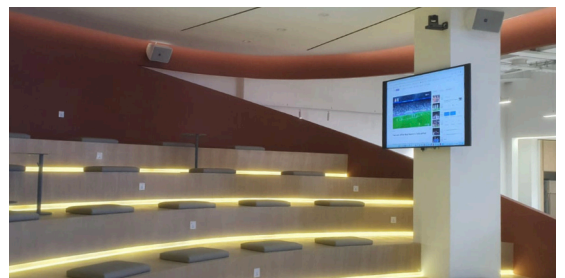
In the heart of Amman, Jordan, the Azadea Group Headquarters wanted to upscale its corporate communication with a fully integrated, professional-grade audiovisual solution. The goal was clear; create an auditorium that could handle high-quality video conferencing, seamless presentations, and flexible content sharing for internal and regional meetings.

THE CHALLENGE

Azadea required a new, full-scale video conferencing setup capable of delivering superior image quality and intuitive control. With multiple input sources, an LED videowall, and professional displays throughout the space, the system needed to ensure smooth switching between sources without technical interruptions, all while maintaining consistent 4K visual quality and perfectly synchronized audio.

THE SOLUTION

To meet the client's needs, a flexible, user-friendly AV solution built around WyreStorm technology was used. At its core were the WyreStorm MX-0402-MST and MX-0404-SCL matrix systems for video distribution, supported by EX-100-H2 and EX-35-H2-ARC extenders to preserve signal quality over distance. CAM-210-PTZ cameras delivered high-quality video conferencing, while the NHD-0401-MV multi-view processor enabled multiple sources to be displayed at once. The system was rounded out with an IDB-300-BTN for one-touch source switching, giving users simple, intuitive control. Integrated with Crestron control, JBL audio, Shure wireless microphones, and an Extron DSP, the WyreStorm backbone ensured seamless performance across video and audio.





CEVA Logistics



MARKET

 Corporate

COUNTRY/REGION

 Singapore

PRODUCT

Presentation Solutions

ABOUT THE INSTALL

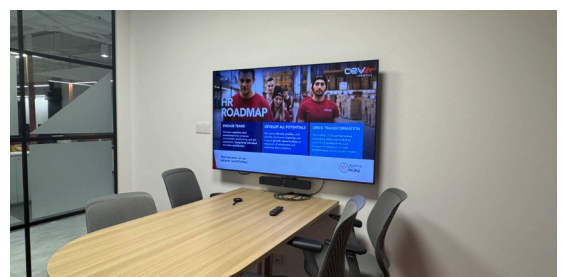
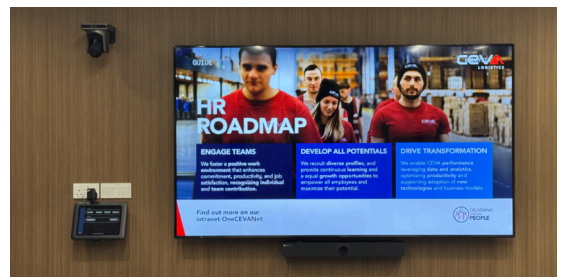
CEVA Logistics is a global logistics and supply-chain management company providing end-to-end freight and contract logistics services worldwide. For its newly renovated office in Kallang, Singapore, CEVA required a complete, consistent AV standard across 11 meeting rooms, a main boardroom, and an open office event area. The project was designed and delivered by Absolute AV Pte Ltd, a Singapore-based Pro AV distributor and authorised partner for WyreStorm solutions, engaged to deploy the WyreStorm product ecosystem across CEVA's workspace.

THE CHALLENGE

WyreStorm and Absolute AV delivered a standardized, site-wide collaboration platform with fast start-up, flexible BYOM sharing, and reliable video and audio in every room. Using wireless presenters, videobars, PTZ cameras, ceiling microphones, hybrid matrix switchers, and NetworkHD control, the scalable deployment ensured consistent performance, simple use, and streamlined integrator support.

THE SOLUTION

Following the installation, Absolute AV summarized the outcome in the terms that matter most for high-usage meeting environments: "Great functionality, Trustworthy, Reliable and Ease of use." Those qualities directly reflect the original project goals, clear communication, effective collaboration, and an experience that doesn't require constant support intervention. "Since moving into the renovated office, our meeting rooms feel consistent and easy to run. Whether it's a quick internal catch-up or a customer call, staff can share content and start meetings without delays, and the experience is reliable from room to room.





Hendricks Gin Palace



MARKET

 Corporate

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

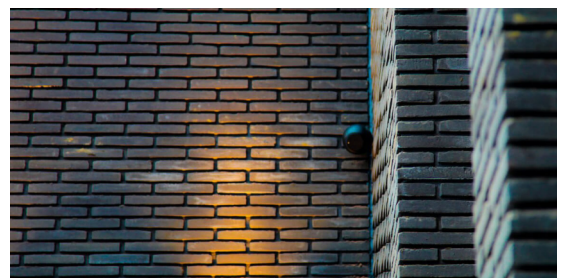
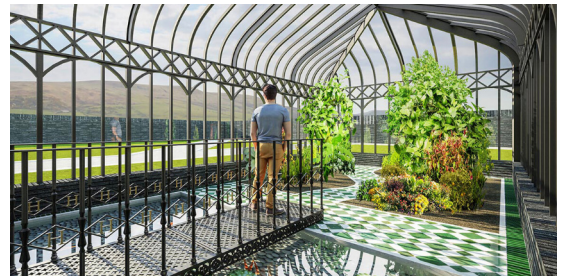
Standing on the grounds of Scotland's most prestigious grain whiskey distillery is the new Hendrick's Gin Palace and Distillery. The £13 million Distillery is formed around four key aspects: a walled flower garden ; a central column of accommodation housing a bar, lab space, and lecture theatre; three stillhouses; and an external service yard.

THE CHALLENGE

The challenge was to provide an ambiance within the Gin Palace that both complimented and enhanced their playground for invention. A near-invisible audio and entertainment system was needed that filled the dedicated spaces without compromising any design elements and is also robust enough to handle different functions throughout the building.

THE SOLUTION

For video distribution, Hendrick's Gin Palace uses a 43" Sony Television framed with Vitualton mirror glass in the bar area, connected to a 4K WyreStorm 4x4 matrix video distribution system providing seamless integration and flexibility when choosing video sources. In the lecture theatre, a discreet short-throw projector and 220x165cm manual screen do not intrude day-to-day on the classic early 1900s room design.





Perform Sports Media



MARKET

 Corporate

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

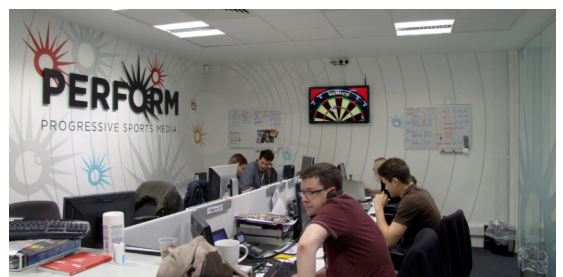
PERFORM is a leading digital media company specialising in commercialising multimedia sports content across internet-enabled digital platforms. PERFORM drives revenues through a mix of Content Distribution, Advertising & Sponsorship and developing Subscription Platforms.

THE CHALLENGE

Given the group's activities, it is not surprising that it has taken a leading-edge approach. PERFORM is a distributor of sports content via non traditional media, primarily the internet, whose content reaches over 100million sports fans across the globe. However, it's more than just a producer and re-broadcaster. It has a complex media sales operation designed, in its own words, to "commercialise multimedia sports content across internet-enabled digital platforms, driving revenues through a mix of content distribution, advertising and sponsorship and developing subscription platforms.

THE SOLUTION

The sources and screens are all managed using a WyreStorm matrix switch linked to receivers behind the screens and the content has, cleverly, been managed by creating an iPad app. The system has also been designed to cope with presentation needs in the offices' boardroom and demo/conference room, with A"i-table" laptop input systems using WyreStorm Extenders and Switchers.



GOVERNMENT



Moulton Courtroom



MARKET

 Government

COUNTRY/REGION

 United States

PRODUCT

MXV-0808-H2A

ABOUT THE INSTALL

Amber Video & Audio Services, Inc., led by Rex Free, designed and delivered a full courtroom transition from paper-based workflows to a digital environment, centred around a single WyreStorm 8x8 matrix switcher that puts the judge in control of what content is shown and where. The system was built to manage multiple real-time sources, including document cameras at prosecution and defense tables capable of sharing both physical and digital evidence, an NVR security camera feed (primarily for the judge), and a PTZ camera for the witness chair, and distribute them across a network of displays throughout the courtroom and an overflow area.

THE CHALLENGE

Courtrooms run on strict process. The biggest hurdle wasn't just the technology, it was designing a system that fits how proceedings actually work, so the right people see the right information at the right time without confusion or delays. The existing setup also limited flexibility: document cameras were effectively tied to dedicated TVs at each table, with no broader distribution of evidence or content across the room.

THE SOLUTION

At the heart of the install is one WyreStorm MXV-0808-H2A, giving the judge a straightforward, "click-of-a-mouse" way to route any source to any display, so the courtroom can instantly align on the same piece of evidence, a live camera view, or supporting video when it matters. In addition to displaying physical documents, the document cameras at both prosecution and defense tables were configured to allow attorneys to present content directly from their laptops through the WyreStorm matrix.





Chandler Fire Department



MARKET

 Government

COUNTRY/REGION

 United States

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

When emergencies happen, and the efforts go beyond the first responders, support from an emergency command/operations center (EOC) is required. The Chandler Fire Emergency Operations Center (CFEOC) is the technical hub of the Chandler Fire Department. To save lives and manage lots of collaborating teams, timeliness and the reliability of data during emergencies is critical.

THE CHALLENGE

The goal was straightforward: Undergo a complete renovation and implement updated systems so Chandler Fire could efficiently connect with people during an emergency. Additionally, Chandler Fire needed to better display information internally to more seamlessly communicate with and integrate team members. The new technology would need to support real-time, in-field updates, and the sharing of information between command centers, hospitals, and law enforcement agencies that utilize different software and visualizations.

THE SOLUTION

The ability to control video sources on one or more of dozens of displays throughout the CFEOC required the latest and most sophisticated technology. Technology from WyreStorm brought their solution design to life. Reliability throughout Chandler Fire is essential to mitigate risk and facilitate deployment during times of emergency. As such, WyreStorm NetworkHD 400 Series Encoders and Decoders were used. All of the video devices were powered over ethernet through stacked ethernet switches to reduce complexity and reduce points of failure.





SHI Customer Innovation Centre



MARKET

 Government

COUNTRY/REGION

 United States

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

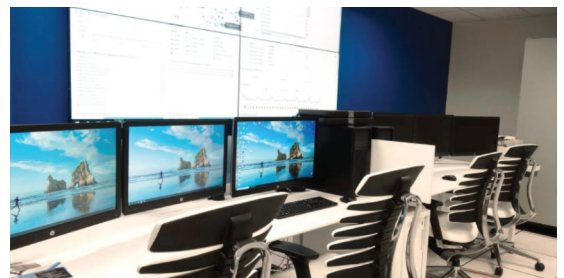
Founded in 1989, the SHI International Corp. is a \$10 billion global provider of technology products and services. Driven by the industry's most experienced and stable sales force and backed by software volume licensing experts, hardware procurement specialists, and certified IT services professionals, SHI delivers custom IT solutions to Corporate, Enterprise, Public Sector and Academic customers.

THE CHALLENGE

SHI was looking to refresh a NOC area in their Customer Innovation Center (CIC) located at SHI's New Jersey world headquarters and include an AV over IP solution. Six inputs and four outputs needed to be directed to a 2x2 video wall and six 27" 4K displays, but with the products that were currently installed, it did not provide an easy way to share individual screens with the large 2x2 video wall display.

THE SOLUTION

With the WyreStorm NetworkHD solution and the accompanying Touch application, this now gives SHI the ability to easily switch video sources to any of the connected displays and focus more on developing new solutions for their customers. "We struggled with our previous control system and, in the end, could not use it. We spent too many person-hours troubleshooting and trying to learn on our own. The WyreStorm solution just makes sense" states Henning. "The Wow factor for us was the ability to control all the sharing through a simple flick of the finger. Setup was very easy and within a day we were up and running."





Abu Dhabi Global Market Courtroom



MARKET

 **Government**

COUNTRY/REGION

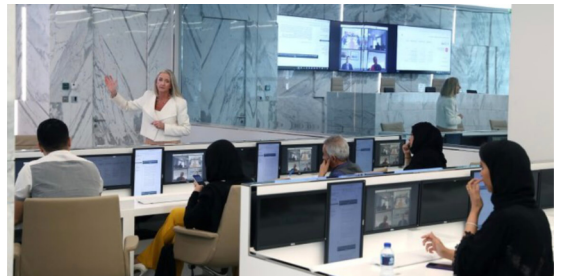
 **United Arab Emirates**

PRODUCT

NetworkHD 400 Series

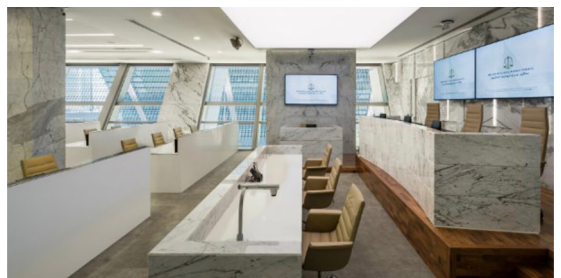
ABOUT THE INSTALL

With a mission to create more streamlined judicial proceedings, the Abu Dhabi Global Market Courts (ADGM) has become a pillar of modernity. A paperless court in the UAE that abides by British law seems a paradoxical sight to behold but could this be the future of the courtroom? Inside the new digital courtroom, witnesses, lawyers and plaintiffs can participate in a hearing from anywhere in the world using advanced video conference technology without being physically present.



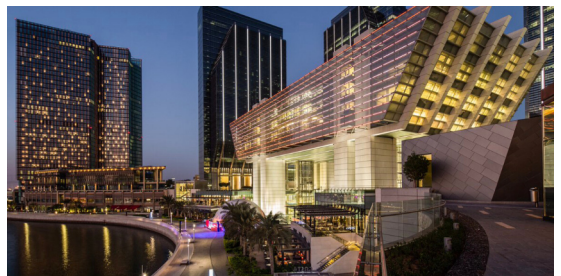
THE CHALLENGE

The idea was creating the world's first digital courtroom. Inside the courtroom, witnesses, lawyers and plaintiffs needed the ability to participate in a hearing from anywhere in the world using advanced video conference technology without being physically present. The implications for the judicial process are vast, not to mention cutting down the administrative labor and costs associated with serving notices, hearing updates and evidence-related paperwork for each individual case.



THE SOLUTION

Video distribution was a critical element of the install, due to the amount of information within courtroom processing that needed to be made available to every delegate/counsel. It was not as straightforward as video matrix switching, as around eight sources were available for distribution and had to be made available on more than 70 displays. WyreStorm's AV over IP decentralised solution, the NHD 400 series was a perfect fit.





Pacific Operations Control Centre



MARKET

 **Government**

COUNTRY/REGION

 **United States**

PRODUCT

NetworkHD 100/200 Series

ABOUT THE INSTALL

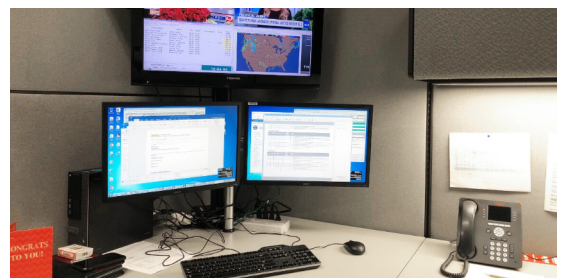
Pacific Operations Control Center in San Diego, California is a Federal agency (part of the Federal Aviation Administration) that is responsible for maintaining the equipment and services in the NAS (National Airspace System). The unit is operational 24/7 and is responsible directly to the flying public, so having an AV solution that is reliable, scalable and easy to understand was of the utmost importance.

THE CHALLENGE

There were three main goals that had to be met with this installation. First, an aging video system that was beginning to fail and crucially needed to be replaced. In addition, an existing 2x2 video wall was due to be upgraded and furthermore, they needed a system that was easy to install and easy to maintain on site by the System Administrators at the POCC.

THE SOLUTION

Due to the fast-paced nature of the POCC it was of utmost importance to minimize downtime but maximize the stability and efficiency of the install. By using some of the current infrastructure and incorporating the NetworkHD AV over IP system along with the addition of two new Cisco SG3000-28PP Gigabit PoE switches, this allowed for a very fast and cost-efficient way to modernize a rock-solid system. WyreStorm NetworkHD encoders were installed to carry signals from satellite TV boxes, PC's and DVD and streaming content to 42x WyreStorm decoders.





Bayswater City Council



MARKET

 **Government**

COUNTRY/REGION

 **Australia**

PRODUCT

NetworkHD 100 Series

ABOUT THE INSTALL

As a formal venue for council meetings, discussion and presentations, the chamber hosts closed meetings with internal council members as well as open with invited guests, local media and the general public.

THE CHALLENGE

City of Bayswater in Western Australia, had two major stipulations: the solution provided should offer simple operation for any non-technical user likely to facilitate meetings and assist the council secretary in recording meeting minutes, as well as ensuring a degree of flexibility and future-proofing in terms of potential addition of further inputs or outputs without requiring a complete system redesign.

THE SOLUTION

Ease of operation and scalability were both key deciding factors behind choosing WyreStorm's low bandwidth NetworkHD 100 Series HD over 1Gb IP solution to handle the AV distribution within the chamber. With NetworkHD being easy to expand to virtually any size system by simply adding more encoders or decoders, and with auto-discovery of system components, its simple and straightforward, offering as close to a plug-and-play experience as you can get. Partnered with the free dedicated Touch control app being used as a method of controlling the system provided simple control that allowed anyone could use it, regardless of technical ability.



VENUES



Badminton North Harbour



MARKET

 Venues

COUNTRY/REGION

 New Zealand

PRODUCT

NetworkHD 120 Series

ABOUT THE INSTALL

Located in Auckland, New Zealand, Badminton North Harbour is one of the country's leading facilities for both recreational and competitive badminton. Known for hosting regional and national tournaments, the venue holds a reputation for excellence, not just in athletics, but also in the experience it offers to players, spectators, and officials. Following severe flooding caused by Cyclone Gabrielle, the facility faced a critical need to overhaul its audiovisual infrastructure.

THE CHALLENGE

The team at Badminton North Harbour had large ambitions. They needed a solution that could enable real-time communication, integrate with their bespoke booking platform, and support high-quality live video transmission without compromise. One of the core technical challenges was enabling video feeds from multiple umpire seats, routed to central monitors with low latency and uninterrupted playback. These feeds would be critical during matches, particularly for reviewing plays and assisting officials in decision-making.

THE SOLUTION

To meet these challenges, WyreStorm's NetworkHD AV over IP solution was selected for its proven reliability and powerful integration capabilities. The system was driven by the NHD-CTL-PRO V2, providing centralized AV signal routing and intuitive control across the facility. Connected to this backbone were five NHD-120-IW-TX in-wall encoders positioned at each umpire station, transmitting 4K video content across the venue, paired with five NHD-120-RX receivers that delivered crystal-clear playback with minimal latency.





Marvel Stadium



MARKET

Venues

COUNTRY/REGION

Australia

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

Melbourne's iconic Marvel Stadium underwent a major AV and technology upgrade. With live events still ongoing, the mission was clear: deliver cutting-edge audio-visual capabilities without disrupting the game-day experience. Equans, the systems integrator entrusted with this project, had to work around tight schedules, operational constraints, and supply chain disruptions.

THE CHALLENGE

With over 53,000 seats, retractable roof technology, and a packed schedule of sporting and entertainment events, Marvel Stadium couldn't afford any downtime. The AV upgrade needed to support everything from large-scale sports broadcasts to flexible, high-performance AV in corporate function spaces. The post pandemic situation, further complicated matters, causing significant stock shortages and delays on many traditional AV systems.

THE SOLUTION

The original design for the function spaces specified fixed frame, point-to-point video switchers. However, due to extended lead times, Equans turned to WyreStorm's NetworkHD AV over IP platform. This decision, driven initially by stock availability, proved to be a long-term win. WyreStorm's NetworkHD 400 Series enabled highly flexible and dynamic video distribution across function spaces. Local inputs could be routed to any display, allowing for easy room combining and customized setups. As Tobias Feld, Equans Project Engineer noted, "We needed a solution that was available, and WyreStorm ticked all the boxes. It has been working flawlessly for over two years now."





Adelaide Oval Stadium



MARKET

 Venues

COUNTRY/REGION

 Australia

PRODUCT

Extender Solutions

ABOUT THE INSTALL

For more than 140 years the Adelaide Oval has witnessed some of the greatest moments in sport and entertainment. From David Bowie's first-ever stadium concert in the 1970s to the Rugby World Cup, it's safe to say this hallowed turf is the very beating heart of sporting and cultural life in South Australia. Thanks to a half billion dollar redevelopment, this historic ground has secured its place for the next century as a premiere venue for AFL, Rugby League, Union, Cricket, concert events and much more.

THE SOLUTION

Each of the 22 function rooms feature a permanent cabling infrastructure augmented by portable equipment to serve the varying daily requirements. The small- and medium-sized rooms are kitted out with a general purpose sound system utilising a ceiling speaker array and local input plates connecting to projector positions via a series of WyreStorm extender sets.

The use of the WyreStorm extender sets not only provided seamless integration of multiple audio outlets, but also offered support for distribution of uncompressed 1080p video, Ethernet pass-through and bidirectional control of source and display device from either location via IR and RS-232 and control up to 100m (328ft) via single category cable.





EXPO Trade Fair Centre



MARKET

Venues

COUNTRY/REGION

Australia

PRODUCT

NetworkHD & Matrix Solutions

ABOUT THE INSTALL

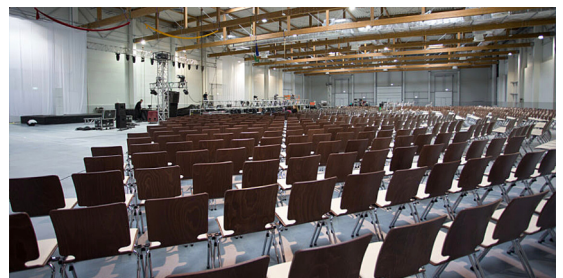
Completed in July 2014, the EXPO Trade Fair Center in Krakow, Poland was designed to be the most advanced such venue in region, and considerably larger and more versatile than its predecessor located in the old trade halls of Krakow. The new space afforded designers greater possibilities in terms of what the venue could be used for, offering the flexibility required by modern trade fair venues to accommodate events of any kind and any size.

THE CHALLENGE

With technology integral to any modern exhibition venue, AV and communication was one of the most important areas of attention for the designer to offer the kind of service expected by exhibitors and attendees, with signal management, audio systems and video distribution all required to provide the kind of faultless reliability and high quality without compromising features that meets the demands of any event.

THE SOLUTION

A hybrid of WyreStorm HDBaseT and AV over IP distribution comprising of a series of Matrices, Extenders, Switcher/scalers and NetworkHD to deliver signals throughout the venue. Digital signage information greets visitors at the open plan main entrance, with the hallway leading to a 4000m² and a 5000m² hall with a number of offices, facilities and a first floor restaurant serving the venue above the main exhibition area. Connected to the entrance and exhibition halls are also 4 conference rooms featuring 15 projection systems that can be partitioned into individual sections to accommodate smaller conferences, meetings or training sessions.



RETAIL



BMW/MINI Car Dealership



MARKET

 Retail

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD IP Series

ABOUT THE INSTALL

The modern car showroom is packed to the rafters with audio/video and IT delights requiring unique integration strategies for the dealership to leverage its ability to inform, serve, tantalize, entertain and persuade customers into making their purchase. Set across three floors, incorporating two car showrooms (BMW and MINI) with very different design aesthetics, plus large maintenance areas, Cooper of Reading was always destined to be an exciting and challenging building project – one that deserved an AV installation to suit its scale and retail gravitas.

THE CHALLENGE

Meeting a delivery timeline of just six weeks prior to completion required a unique integration strategy – one that leveraged strong working relationships as well as the enriched customer experience through AV that BMW Group is renowned for. Although the increased opportunity of using IP solutions for commercial AV distribution benefits by offering greater choice, with that choice comes risk – will the equipment specified do what the project requires?

THE SOLUTION

The main distribution system comprised of WyreStorm NetworkHD JPEG2000 AV over IP solutions distributing centrally located sources to 17 display zones around the dealership. NetworkHD is unmatched in terms of speed and ease of install, reliability and compatibility with other specified equipment and gives the installers a great deal of flexibility in terms of expanding the project.





Audi Car Dealership



MARKET

 Retail

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

In late 2011, one of Inchcape's brands, Audi, was planning a new flagship dealership to be built in Swindon, Wiltshire, UK. The dealership brief stipulated full uncompressed HD video and audio distribution from multiple sources to multiple display points and multi-channel audio signals split and switched between 2 main zones within the dealership: front of house and rear of house. The client wanted total freedom to show any source on any display at any time, from rolling corporate video from dedicated Blu-ray to live news channels in customer lounge areas, with the reliability of continuous switching and distribution demanded by one of the premiere automotive manufacturers in a flagship retail outlet.

THE CHALLENGE

The capability of using a local source input such as a laptop was crucial in areas of the dealership to be used business events such as launches, presentations, seminars, trainings and conferences, with an output synergy across all displays in the dealership being a specific requirement for corporate events to enable all screens to display the same content throughout the entire site.

THE SOLUTION

Distribution across a network comprising of a variety of screens supplemented in the boardroom by a 70" smart board with integrated freeview/Blu-ray player and a host of multi-format AV inputs, all managed using the WyreStorm matrix switch. Given the sheer size of the dealership and the distances transmissions are required to travel, WyreStorm HDBaseT extender sets were selected to distribute signals.





BMW Car Dealership



MARKET

 Retail

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD IP Series

ABOUT THE INSTALL

One of the leading motor franchised retailer groups in the UK sought to upgrade their BMW dealership located in Durham, UK into an impressive modern and functional showroom.

THE CHALLENGE

The brief stipulated video distribution from multiple sources with full HD video to 15 display points and multi-channel audio signals split and switched between 2 main zones, Front of House (Showroom) and Rear of House within the dealership. However, the real challenge in this particular install was the six unique BMW Customer Configuration Lounges. As a BMW standard, the requirement in these particular lounges was to provide the sales assistant with a dynamic and discreet way of mirroring the display on their PC to the 42" LG Commercial Monitor beside them, allowing the customer to be fully engaged in the sales process upon their new BMW purchase.

THE SOLUTION

Drawing on years of experience, there was no hesitation in immediately committing to WyreStorm's reliability and performance qualities of their NetworkHD solution. 11 NetworkHD decoders were discretely installed to display points within Front of House. A total of 5 transmitters were installed in the comms room providing a number of source content including, Freeview, LG Blu-ray players and an option for a laptop for corporate events.



WORSHIP



Goulburn's Old Cathedral



MARKET

✦ *Worship*

COUNTRY/REGION

🇦🇺 *Australia*

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

Standing proudly in the centre of Goulburn, Australia's first inland city, is St Peter and Paul's Old Cathedral, the world's only greenstone church. Now, a century and half from its commencement, the Old Cathedral has completed a decades-long, \$12m restoration which has not only returned the fabric of the building to its original glory but also brought the building into the 21st century.

THE CHALLENGE

As the restoration of the magnificent Gothic church moved to the interior works phase, the project sought advice from Amber Technology. "We were contacted quite early in the process to give recommendations on the system design, specifically around the speakers, as cathedrals are very difficult acoustic spaces and Renkus-Heinz is the market leader in that space," recalled Scott Riley, from Amber's Technical Sales and Support (TSS).

THE SOLUTION

WyreStorm's AV over IP solution was chosen for the AV distribution of the project. The WyreStorm NetworkHD 400 series was the best option for Amber, as it offered a great deal of versatility, expansion and control capabilities.

The NetworkHD 400 series allowed easy distribution of the camera system (AVer) that was used for streaming services, as well as for overflow screens (Newline) on trolleys.





Church of St. Anne



MARKET

✦ *Worship*

COUNTRY/REGION

🇬🇧 *United Kingdom*

PRODUCT

Presentation Solutions

ABOUT THE INSTALL

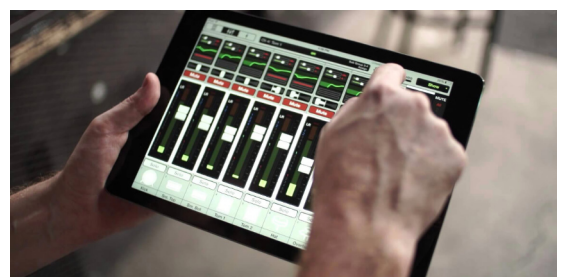
Built in 1837, the Church of St. Anne is situated in Aigburth, Liverpool, England, and as an early example of Normal Revival architecture, it has National Heritage Grade II listed protected status.

THE CHALLENGE

The client's brief was to modernize the AV facilities to bring the church up to date to enable it to facilitate its use, not only as a contemporary place of worship, but also as a center for community activities. In terms of the needs of the application, the client wanted a system that could be used mainly for presentation slides, such as sermons, notes and hymn lyrics, but was equally capable of handling video and could be used both for church services as well as the local school for presentations and assemblies and performances from the church band.

THE SOLUTION

A WyreStorm HDBaseT presentation switcher was selected for its 4x HDMI inputs and single VGA connectivity with dedicated VGA audio switched with the HDBaseT output for distribution over distance. With mirrored HDMI outputs connected to a local computer monitor, the internal scaling and QuickSync technology ensured instant source switching to all outputs. The adjustable microphone input, auto-mix stereo output and phantom power allowed connection of a microphone at the pulpit if required, with audio able to be mixed with the source audio and distributed via the line-level output.



RESIDENTIAL



Lane Top Farm



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

EX-35-H2

ABOUT THE INSTALL

Lane Top Farm is an extensive residential new build on the site of a former farmstead located near Mirfield, West Yorkshire. A large open plan property, the comfortable four-bed home doubles as an office and showcase for an astonishing collection of sports cars and motorsport memorabilia curated by the owner. It's the hub for several automotive businesses involving classic sports cars, specialised customisation, off-road vehicles and racing teams, providing access for cars to be wheeled to the display spaces inside. Habitech reached out to local integrator, Audiovation and was invited to deliver a design for multi- zone lighting and music to enhance the ambience of the showcase and living spaces.

THE CHALLENGE

It was clear what the owner expected. His priority was for a video distribution system design that would show off his cars and collection best. After all boxes were ticked, additions were made, like wireless blinds. As with almost every project, the brief evolved over time, and it's still evolving.

THE SOLUTION

Video is distributed to six screens from individual Sky boxes using WyreStorm EX-35-H2 extenders, all housed in a Middle Atlantic rack. Ten zones of audio include in-ceiling speakers for the entrance hall, office, master bedroom, and wardrobe; and reception, dining room and kitchen, as well as Patio Series sat/subs outside.





SONA Residential Home



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

MX-1616-H2XC

ABOUT THE INSTALL

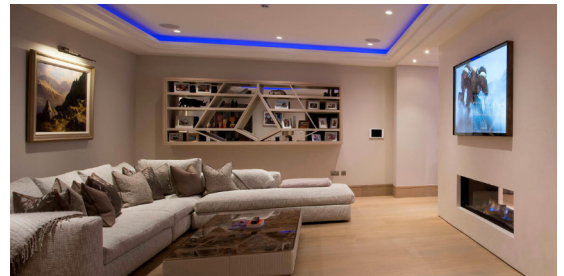
The aim of the project is to enhance the living space. While tech adds value and convenience, the client ultimately wanted to improve their lives – which is just what they managed to achieve with this luxury integrated home. There was a clear vision of exactly what they'd need.

THE CHALLENGE

Every client's need is different. They may want better security, more intuitive tech, or simply a space to entertain. Installation decisions also needed to be based on high-performance, non-intrusive technology. With this project, the key needs included a simple, operating platform and full integration across all systems indoor and outdoor.

THE SOLUTION

Every room features a fiber-optic video system with 4K distribution and OLED displays. WyreStorm's MX-1616-H2XC Matrix was utilized and populated with 11 TX-H2X-OM3 modular cards, capable of sending 4K transmissions up to 300m (984ft). Concealing the televisions was made simple with WyreStorm's RXF-300-4K Receiver, which features a compact chassis design.





Scottish Mansion Renovation



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

NetworkHD 400 Series

ABOUT THE INSTALL

A modern mansion renovation using the latest in building technology. This project from concept to completion used the latest in infrastructure design, installation and technology to fulfil the client's every need.

THE CHALLENGE

The client wanted video and audio distribution to every room, and requested that we took the decor, room characteristics and purpose into consideration. The minimalist requirement for technology with maximum operability and impact was required. The client also had the requirement for multiple sources to 14 Screens on the property with the requirement to expand when needed.

THE SOLUTION

The system of choice was the NetworkHD 400 Series. A stand alone network, capable of transporting 4K content from any source to any screen, was created using the required High Capacity Cat6 cabling that had been installed throughout the property. This dedicated network is 'bridged' to the main network, making it switchable in milliseconds, all controllable from the clients mobile, or control devices throughout the property. Sources in this case included 4 SkyQ boxes, a 4K media server, Blu-ray player, and a digital signage unit serving family photographs and custom artwork to any screen.





Innovation Design House



MARKET

 Residential

COUNTRY/REGION

 United States

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

It's not often interior designers look to custom electronics (CE) professionals to join forces on a project. But for its 'Innovation House', the designers at Atlanta-based Insidesign, willingly incorporated a slew of innovative home technologies. The 11,000-square-foot farmhouse in Johns Creek, Ga., serves as a showcase of innovative design and technology, and is open for prospective customers, builders and architects to visit for ideas and inspiration.

THE CHALLENGE

The challenge was to demonstrate technology's role in a modern home. The clients wanted to incorporate a variety of different products and systems. In addition to standard flat-panel TVs, the clients wanted to add a high definition A/V distribution system featuring a Yamaha player piano as an available music source.

THE SOLUTION

A Yamaha DC2XE3 Disklavier piano ties directly into a WyreStorm HDBaseT matrix switcher via standard category and HDMI cabling, which enables songs from the piano to play through the in-ceiling speakers installed throughout the residence. Also connected to the matrix, one of the sources available is an AppleTV. Using an iPad, a user can log on to the site and push music from concerts and internet radio stations to the piano. If the concert has accompanying video, it automatically displays on the home's flat-panel TVs.





Whitelands Residential Home



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

This truly breathtaking new build residence in the exclusive London suburb of Weybridge was designed and built specifically to deliver a complete smart home solution that would attract potential buyers and give the future homeowner a reliable and easy to use entertainment solution.

THE CHALLENGE

The developer envisioned the property to generate real wow factor in every room, with the smart home installation intended to be an important, and subtle element of that. The solution needed to almost invisibly blend into its stylish surroundings, with its immense power and functionality only becoming truly apparent to the homeowner when they sit back and use the entertainment system; and even then so effortless so that it belies the products used and how well they integrate together.

THE SOLUTION

The solution comprised WyreStorm matrix distribution of Sky+ HD boxes, Apple TVs and a Samsung Blu-ray player in a total of 18 zones. The matrix also really came into play when set up a 'House Viewing' mode for the developers when they were demonstrating to potential buyers. AV zones not only included the typical entrance, living room, study, kitchen, master and guest bedrooms, but also reflected the uniqueness of the property by delivering AV to separate his and her dressing areas, family room, games room, spa, swimming pool, gym, wine cellar, housekeeping areas and a jaw-dropping cinema room.





St. George Multi-Dwelling



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

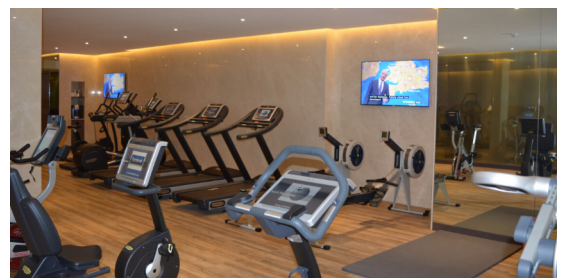
The award-winning luxury apartment development in Fulham Reach by St. George is perfectly located on one of the most dramatic stretches of London's River Thames, within easy reach of the City and West End for the best the capital has to offer. The development is set in beautifully landscaped gardens next to sweeping riverside promenades that integrate perfectly with its surroundings through architecture that reflects the history and unique character of the area.

THE CHALLENGE

The key to distributing AV to multiple rooms throughout the home lies in the needs of the application and the most suitable technology selected to deliver it and, in the case of Fulham Reach, reliability, flexibility and compatibility were all important factors to consider. The needs of the project called for full HD video, HD digital audio to be reliably transmitted to a maximum of 4 display points (living room and up to 3 bedrooms).

THE SOLUTION

A WyreStorm HDBaseT matrix switcher kit including 4x display receivers was selected for its ability to satisfy and even surpass that initial project brief. WyreStorm's QuickSync technology enabled instant switching between sources regardless of which room the user is in for a seamless AV experience a user would find indistinguishable from their regular method of changing channels. Furthermore, as an installer kit combining matrix switcher and 4x matching receivers, the matrix offered the developer considerable cost-savings and benefitted from fast and simple installation straight out of the box.





Ultra Modern Penthouse



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

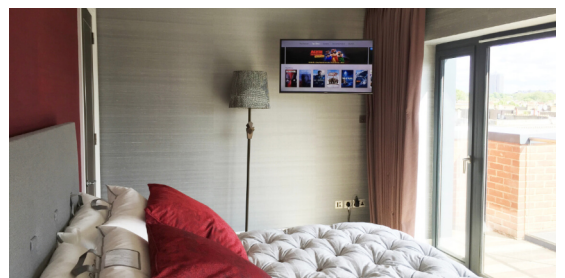
Situated on the top floor of a stylish apartment building in the fashionable area of Chelsea in London, UK, this modern penthouse was completed in July 2016.

THE CHALLENGE

Although the client specified an UHD Samsung Blu-ray player and 2x UHD TVs, their viewing preferences meant they predominantly wanted a system to distribute high definition content from HD sources, such as UK and foreign satellite broadcasts and Apple TV to all four screens throughout the property.

THE SOLUTION

A WyreStorm matrix switcher with 4x HDBaseT receivers were selected to deliver the content via Cat6 cable as per the client's specification, with the professionally installed cable infrastructure supporting any future upgrade to a 4K UHD matrix and receiver solution at the client's discretion. Each of the zones are accompanied by Sonos audio, Rako lighting control and curtain control, making this a truly comfortable and entertaining smart home environment.





Bellevue New Build



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

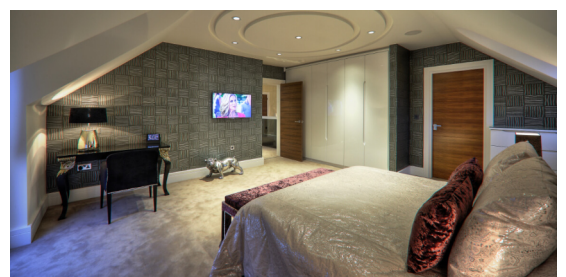
Typical new build properties might be designed to be a fresh canvas on which the buyer can create a home in their image, but when it comes to the modern connected home they often fall some way short of what's needed to get, well, connected. Such was the case when the owners of this new build in Bellevue, Manchester moved in to find their property was designed with no thought for the requirements of whole house automation and distributed AV.

THE CHALLENGE

The essential brief was to supply a simple, elegant whole house solution that allowed maximum integration within one graphic user interface which included multi-room audio, multi-room video and CCTV integration. Top of the clients' wish list was also the ability to have all their media available throughout the entire home.

THE SOLUTION

A WyreStorm HDBaseT matrix provided the video source switching and distribution throughout the property, including all bedrooms, bathroom, kitchen, living room, media room and annex. WyreStorm receivers were installed at display points to receive matrix transmissions of high quality uncompressed 1080p video. This solution gave the clients precisely what they needed to turn their new house into a home they were proud of.





Canadian Residential Home



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

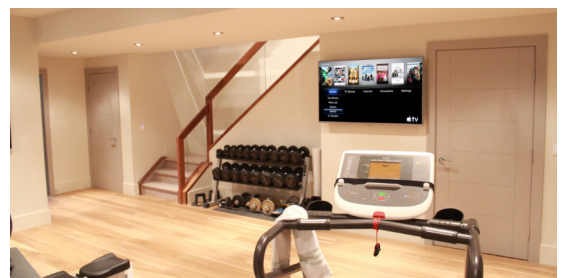
Located in the trendy Kensington area of Calgary, this newly built show-home provided the perfect blank canvas to create a leading-edge whole-house integrated and distributed high tech modern living space which is as stylish as the architecture and décor.

THE CHALLENGE

The project itself featured 15 discrete zones of audio and 6 multi-room visual set-ups, including living room, dedicated home theatre, master and guest bedrooms, loft space and a full gym, creating the best end user experience possible. Reliability and flexibility were important considerations, as was the capability to seamlessly integrate with all devices within the project to offer true 'Home Automation'. This would allow the property to interact with the end user and vice versa in a way that went beyond literal description to capture the very essence of the modern residential living experience.

THE SOLUTION

In terms of AV, Digital Cable boxes, Blu-ray, Apple TV and a media streamer acted as the central hub for the property's entertainment. All sources were distributed through a WyreStorm HDBaseT matrix switcher, for transmissions of video and audio along a single Cat6 to WyreStorm display receivers at each of the 6 display zones within the entire AV system.





Award Winning Manor House



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

As part of a major renovation and extension to the property, the client sought to bring this historic building into the 21st century with an integrated and distributed audio-visual, security, data networking and communications system. The client and his family use this 65 room house exclusively as a weekend retreat for family rest and relaxation, entertaining, shooting parties and the occasional 'kick-ass' club night for friends hosted in the home's original Tudor Minstrels Gallery.



THE CHALLENGE

The challenge by the client was to take advantage of our expertise to help create an easy to access and simple to use solution to distribute video content to all the necessary rooms around the property.



THE SOLUTION

The AV system installed is IP power controlled, with WyreStorm's HDBaseT matrix switcher and matching WyreStorm HDBaseT display receivers selected to handle the audio video distribution between zones, not only due to its reliability but also its ability to flawlessly integrate with a control system used to control the whole system, with a specially created switching protocol to shut down parts of the rack when equipment is not in use.





Luxury Farm House



MARKET

 Residential

COUNTRY/REGION

 United Kingdom

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

Carried out between July-December 2014, this luxury residential property in Farnham, Surrey, UK was the subject of a complete renovation and whole house automation, from the typical bedrooms, bathrooms, living and dining areas and kitchen, to the more adventurous future additions of a swimming pool and garden tree house.

THE CHALLENGE

With a budget of £70,000 (approximately \$107,000), the aim of the project was to distribute audio and video sources to multiple rooms with simple control for each member of the family to use. The client wanted to keep all devices discrete so that they did not look out of place with the proposed interior design of the property.

THE SOLUTION

As the client made it clear they wanted a variety of sources and a minimalist design with simple control, an AV rack using a tried and tested WyreStorm distribution was chosen to offer the most effective solution. The solution was to use a WyreStorm HDBaseT matrix with analog audio outputs to enable the fluent connection the audio into the multi room audio system, while also seamlessly handling the video distribution between zones using WyreStorm HDBaseT display receivers.





Italian High End Apartment



MARKET

 Residential

COUNTRY/REGION

 Italy

PRODUCT

Matrix Solutions

ABOUT THE INSTALL

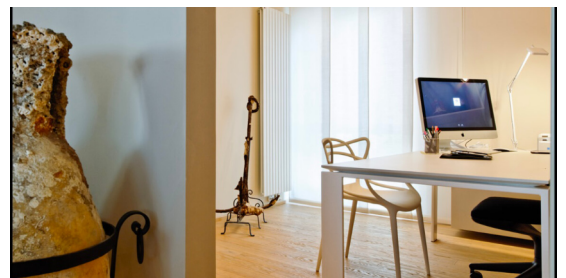
Located in the Viterbo area of Lazio, near the Italian capital, this chic, high end apartment installation by Audiotime is the perfect marriage of beauty and functionality with cutting edge AV control and full home automation seamlessly integrated into the luxurious interior decor, actually adding to the modern stylish aesthetic rather than detracting from it.

THE CHALLENGE

With 2 bedrooms, 2 bathrooms and 2 studies as well as a generous open plan kitchen and living area spread over 130m², the client brief for this spacious, ultra modern apartment required an integration befitting such an epitome of luxury contemporary living.

THE SOLUTION

A WyreStorm HDBaseT matrix was chosen to be the heart of the video distribution and to work seamlessly with all displays, home theatre equipment, Blu-ray players, Apple TV and Satellite boxes, alongside multi-room audio and speakers throughout.





Powerful. Reliable. Simple.

WyreStorm US

Tech Valley Park
23 Wood Road
Round Lake, NY 12151 USA
Tel: +1 518-289-1293

WyreStorm International

Hulswitweg 97
2031 BG Haarlem, The
Netherlands
Tel: +31 23 808 1453

WyreStorm Asia

Level 20, Parkview Centre 7
Lau Li Street Causeway Bay HK

WYRESTORM.COM

