FEATURE:
Sustained Impact

LIVE:
Heart & Soul
Marks Milestone
for FullSize
System and
L-Acoustics

Leadership Forged in Fire & Light

Dick Titus
President and CEO of Electronic Theatre Controls (ETC)

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Growth with Purpose

Every so often, a region doesn't just join the party — it becomes the party. And right now, that region is APAC.

Nowhere is this more evident than Malaysia, which is on track to host 450 concerts in 2025, a staggering rise from 104 in 2022, 335 in 2023, and 408 in 2024. This surge is expected to inject nearly RM1.7 billion (S$521 million) into the economy, fuelled by direct and indirect spends.

To power this growth, the government has rolled out the Puspal Guideline Reform (GPP 6.0), streamlining approvals for international acts with clearer rules on attire, conduct, and promotional activities. The Concert and Event in Malaysia Incentives scheme further sweetens the deal with rebates of up to RM1.5 million for concerts drawing 15,000+ attendees — provided promoters keep 20% of spending local and hire at least 30% Malaysian crew.

From government reforms to industry safeguards, one thing is clear: live entertainment is no longer just about spectacle — it's about systems, leadership, and vision. And so, I feel this issue is especially timely.

Our Personality Feature profiles Dick Titus of ETC, whose "soldier's grit" and people-first ethos have reshaped the present and future of a global lighting giant; while our Feature explores six dimensions redefining sustainability as a strategic differentiator across APAC and ME.

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SOUTH KOREA

NEXO Alpha+ Wows South Korea's Rental Elite

NEXO's local distributor A-Works unveiled the new Alpha+ hybrid-source sound system to leading rental companies and engineers.

Day one saw high-profile rental houses including Way Audio, Plan 24, and Master Sound put the Alpha+ FOH system through its paces.

The who's who of South Korea's pro-audio community gathered in force at Imjingak Pyeonghwa Nuri Park this September, where **NEXO's** local distributor **A-Works** unveiled the new Alpha+ hybrid-source sound system to leading rental companies and engineers. The two-day showcase marked a defining moment for the legendary Alpha lineage, marrying its iconic throw and punch with a new era of precision and articulation.

Day one saw high-profile rental houses including **Way Audio, Plan 24**, and **Master Sound** put the Alpha+ FOH system through its paces. At the heart of the demo stood the stackable three-box rig, headlined by the Alpha+ M210 with its ingenious variable articulation waveguide block, offering continuous vertical dispersion adjustment. Magnetic flanges further extended control over horizontal coverage, ensuring tailor-made performance for any environment.

Reaction was instant. "Our customers were blown away by the clarity and consistent coverage of the HF, even at a distance of 150 metres," said **James Lee, Managing Director, A-Works.** "And all this from a system that's so quick and easy to stack and cable up."

Day two opened the floor to a broader audience of around 60 NEXO clients, including stalwart Alpha users who have been deploying the iconic 1990s-era boxes for decades. For many, the new Alpha+ wasn't just a step forward — it was a reinvention. "Existing Alpha users know to expect a lot of power and a long throw from the new system," Lee continued. "But what particularly impresses people about Alpha+ is the added precision and articulation."

By fusing the brute strength of its heritage with the finesse of modern engineering, NEXO Alpha+ is set to redefine what rental companies demand from their touring systems — rugged, rider-friendly, and uncompromising in performance.

GLOBAL

David Schubert Strengthens GLP's Sales Team as Senior Sales Manager

On 1 September 2025, David Schubert joined the sales team of **GLP – German Light Products** as **Senior Sales Manager.** In his new role, he supports sales activities in Germany and Switzerland, contributing to the continued expansion of the company's market presence.

A trained wholesale and foreign trade specialist, Schubert brings more than two decades of experience in the professional event and media technology industry. Following his vocational training, he gained extensive expertise in both inside and field sales and soon specialised in the distribution of lighting technology. Since 2010, he has been continuously active in sales, focusing primarily on field sales from 2015 onwards.

"I am very excited about my new role at GLP and about introducing our innovative products to customers, supporting them in turning their creative ideas into reality, while also nurturing existing partnerships and building new relationships," says David Schubert. "I was given a very warm welcome at the company and look forward to working with the fantastic team."

GLP Managing Director Udo Künzler also welcomes the addition: "With David Schubert, we are gaining an experienced sales professional who enriches our team both professionally and personally. His long-standing market experience and strong network are valuable assets in further expanding GLP's presence."

Schubert will carry out his new responsibilities from the Frankfurt metropolitan area.

AUSTRALIA

Adamson Strengthens Australian Presence with Audio Logistics ... Celebrates Vergence Group Systems Success with Exclusive Amsterdam Summit
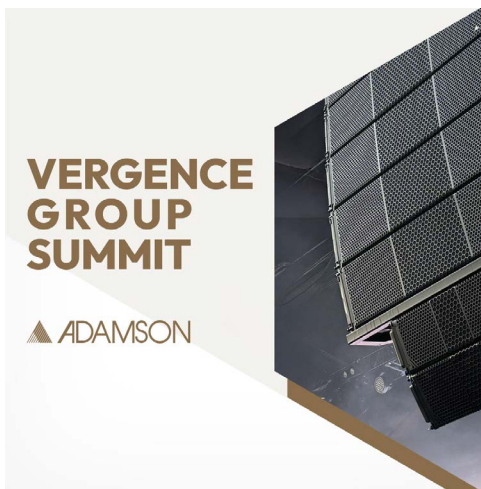
Adamson Systems Engineering has appointed **Audio Logistics** as its new Australian distributor, marking a key development in the manufacturer's expansion strategy and strengthening Audio Logistics' portfolio with one of the world's leading names in professional sound reinforcement.

Lee Stevens from Adamson Systems Engineering commented "Partnering with Audio Logistics is a natural step forward for Adamson in Australia. Their deep industry knowledge, technical capability, and strong relationships make them an ideal fit to represent Adamson going forwards. Adam and his team are highly driven and motivated to replicate the huge successes we are seeing around the globe. We're really excited to be working together on this journey, especially at a time of huge market momentum and an exciting roadmap of products around the corner."

Renowned for its cutting-edge VGt and CS loudspeaker systems, Adamson has witnessed a sizeable uptick in adoption among touring professionals, large-scale venues and high-end installations worldwide, particularly in the APAC region. And this partnership with Audio Logistics aims to provide Australian integrators, rental companies and production houses improved access to Adamson technologies, supported by Audio Logistics' established customer service and technical expertise.

"We're thrilled to represent Adamson in Australia, a brand synonymous with cutting-edge audio engineering and exceptional sound quality," said **Adam Dullens from Audio Logistics**. "Through this partnership, we look forward to supporting Adamson's growth locally and empowering our partners to create outstanding sound experiences."

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Alongside, Adamson also spotlighted the success of its Vergence Group systems by welcoming partners to Amsterdam for an exclusive summit, where the robust durability and featherlight design of Vergence Group systems — including the VGt line array and VGs subwoofers — were demonstrated in combination with Adamson's cutting-edge ArrayIntelligence technology.

Lee Stevens, Adamson Sales Director, APAC commented "As live touring season is winding down, this is the perfect opportunity to show our most valued partners the many opportunities they have with the best systems on the market with patented technology with low distortion."

Vergence Group systems have, in the recent past, powered standout performances at world-renowned festivals such as Lowlands and Rock Werchter, while also driving major arena and stadium tours for international acts including Imagine Dragons, Jellyroll, Joe Hisaishi with the Royal Philharmonic Orchestra, and Linkin Park.

The inaugural Vergence Group Summit – hosted by Adamson's growing EMEA team – took place on 3 September 2025 in Amsterdam; and combined education, networking and hands-on exploration, thereby offering partners a first-hand experience of the VGt's refinement and power.

Jasper Ravesteijn, Adamson Sales Director, EMEA, added: "The Vergence Group Summit is only the beginning of our plans to have more intimate and interactive discussions with partners that understand our products. We can't wait to show them the refinement and power of a product like VGt."

NEW ZEALAND

H3 Group Powers Up with New Zealand's First Meyer Sound ULTRA-X80

A subsidiary of the Hamilton City Council, New Zealand's **H3 Group** manages four of Hamilton's most prominent venues: Claudelands Event Centre, FMG Stadium Waikato, Seddon Park Cricket Ground, and Hamilton Gardens. And when the company decided to expand its audio arsenal, it looked no further than **Meyer Sound's** newest powerhouse: the ULTRA-X80.

Supplied by long-time partner **AV Solutions** https://www.avsolutions.co.nz/, the newly acquired ULTRA-X80s are already in use at Claudelands, while offering team H3 the flexibility of being deployed across all four venues whenever high-powered point source reinforcement is needed.

As the latest evolution of the ULTRA Series — following the ULTRA-X40 and ULTRA-X20 — the ULTRA-X80 packs two 12-inch neodymium cone drivers and a 4-inch compression driver into a compact enclosure, delivering an astonishing

140dB SPL linear peak output; with the ULTRA X82's offering more focused coverage at a tighter 50° x 40° dispersion pattern. And the new ULTRA X80 additions strengthen an already impressive Meyer Sound portfolio at H3, which includes ULTRA-X40s, line arrays, subwoofers, and UPJ-1Ps acquired steadily over the last 20 years.

Alongside the ULTRA-X80s, H3 has also invested in a Galileo GALAXY processor, with its presets for the ULTRA range highly valued by their in-house audio team.

AV Solutions, who have been a long-time advocate of Meyer Sound's self-powered loudspeaker designs, assert that the ULTRA series' design and capabilities simplifies on-ground deployment thanks to the fact that all crucial processing, limiting, protection, etc happens within the box – wherein users simply need to run a network or analog audio cable and power to the box, while the box takes care of everything else.

SINGAPORE

Hexogon Group Makes Record-breaking Purchase of Christie Griffyn 4K50-RGB Pure Laser Projectors

Hexogon Group one of Asia's largest rental and staging companies and one of Singapore's foremost multimedia and projection mapping specialist, has reportedly made the world's largest single purchase of **Christie** Griffyn 4K50-RGB pure laser projectors. This achievement firmly establishes Hexogon as a leading rental and staging company that owns one of the largest Griffyn 4K50-RGB fleets globally.

Renowned for its wide-ranging inventory of high-performance projectors, advanced audiovisual and lighting technologies, Hexogon has won multiple international accolades for its large-scale projection mapping projects across Asia. Headquartered in Singapore, Hexogon has steadily expanded its presence across Asia with offices in Thailand, Japan, Taiwan, Hong Kong, Vietnam, and the Philippines. Over the years, the company has deployed Christie projectors for various landmark events, including the 2015 Southeast Asian sporting event, where it set a Guinness World Record for the brightest projected image ever produced at a single event.

This substantial investment in Christie's flagship 3DLP RGB pure laser projection system underscores both Hexogon's confidence in the product and its commitment to delivering even more spectacular, world-class visual experiences. It is also learnt that the company plans to expand its Griffyn 4K50-RGB inventory further within the next year.

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Adrian Goh, Managing Director of Hexogon Group, comments, "We have extensively tested the Griffyn 4K50-RGB at various events and have been highly impressed by its performance, color accuracy, and reliability. This investment marks our complete transition from conventional lamp-based projection to laser illumination, reinforcing our commitment to environmentally responsible operations. At the same time, it allows us to modernize and grow our fleet with advanced, high brightness 4K projectors, enabling us to deliver even larger and more ambitious projection mapping projects across Asia."

Compact yet powerful, the Christie Griffyn 4K50-RGB offers 50,000 lumens of brightness, ~98% Rec. 2020 color gamut, and native 4K resolution; as it delivers stunning visuals while operating at only 54dBA even at full brightness. Embedded Christie LiteLOC technology maintains color balance and brightness over time, regardless of fluctuations in ambient temperature. The projector offers versatile connectivity, omnidirectional operation, and remote-controlled electronic color convergence (ECC) for precise, effortless color alignment. With an efficiency of 13.2 lumens per watt, it also ranks among the most energy-efficient projectors in its class, supporting Hexogon's sustainability goals by lowering power consumption and reducing carbon emissions.

Alongside, the Griffyn 4K50-RGB also supports optional high frame rate (HFR) playback—up to 120Hz at 4K and 480Hz at 2K—making it ideal for demanding applications. It comes equipped with Christie Twist warping and blending and is compatible with Christie Mystique, the automated camera-based alignment and recalibration solution. These features simplify installation, alignment, and maintenance of multi-projector systems, saving time while ensuring optimal performance.

"The Griffyn 4K50-RGB strengthens our confidence in elevating projection mapping and live events to an entirely new level. With plans to expand our fleet beyond 100 units over the coming year—depending on operational requirements and configurations—it enhances our capability to support events across Singapore, throughout Southeast Asia, and beyond. This strategic investment aligns closely with our long-term vision to maintain the region's most advanced and reliable projection fleet!" exclaims Adrian.

Han Kim, Vice President of Sales, Asia-Pacific, Christie, concludes, "We are deeply grateful to Adrian and the Hexogon team for their trust in our Griffyn 4K50-RGB projectors. Our partnership with Hexogon spans more than a decade, and it is inspiring to see how far we've come together. With this acquisition, Hexogon is poised to push the boundaries of projection mapping even further, delivering awe-inspiring projects on a scale never seen before. We are proud to support their vision and strengthen their capabilities across the region."

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PHILIPPINES

SHOWTEC to Exclusively Distribute MA Lighting International in Philippines

MA Lighting International is continuing its international growth and enhancing its sales network in Asia; with the company announcing the appointment of **SHOWTEC Audio and Lights Solutions Co.** as its exclusive distributor in the Philippines, effective from 1 July 2025. Based in Quezon City, SHOWTEC is a fast-growing company providing audio-visual and lighting equipment with a strong focus on service excellence, technical expertise and customer confidence through a comprehensive warranty programme.

The partnership strengthens MA Lighting's presence in Southeast Asia, a region where demand for advanced lighting control solutions continues to grow across live events, concert production and broadcast.

"We are pleased to welcome SHOWTEC as our new distributor in the Philippines," comments **Stephan Saremba, Managing Director of MA Lighting International GmbH**. "Southeast Asia is a rapidly growing and strategically significant market for MA Lighting, with thriving live events, concert productions, and broadcast industries. SHOWTEC's expertise of the latest technologies, strong local network, and deep understanding of the industry make them the perfect partner to support our growth in this local market. We see great potential in this dynamic and expanding market, especially in the area of TV and House of Worship."

John Kristian Gonzaga, CEO of SHOWTEC, adds: "We are excited to officially partner with MA Lighting as their exclusive distributor in the Philippines. This is a big step for us at SHOWTEC, and we can't wait to bring MA's world-class lighting control solutions closer to the local community. Here's to empowering more Filipino creatives in live events, broadcast, and worship with the best tools in the industry!"
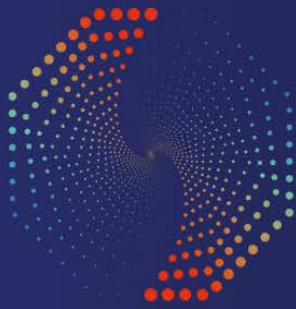
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HK Audio Names Hi-Tech Audio-Video Systems as New Indian Distributor

HK Audio has selected **Hi-Tech Audio Video Systems Pvt Ltd** as its new exclusive distributor for India. With the agreement in place, the new distribution partner already has stock of HK Audio equipment to cater to the country's bustling live events and fixed installation markets.

Based in the city of Noida in northern India's Uttar Pradesh state, Hi-Tech Audio Video Systems Pvt has more than 25 years of experience in the professional AV market serving customers across the country. As a first stage in the new partnership, the distributor has already visited HK Audio's St Wendel HQ to receive COSMO training and to visit the production facilities.

"We are extremely excited to partner with and represent an audio giant – HK Audio – offering a huge range of products from the economical Portable Sound range to Concert level products," says **Manikk Gupta, Managing Partner at Hi-Tech Audio Video Systems Pvt Ltd** "India is a very demanding market, and clients believe in value for money."

The Hi-Tech Audio Video Systems Pvt team understand the common challenges faced in the Indian market, but they are confident that the extensive product portfolio and quality of HK Audio can help to overcome them. "Product stability and natural sound has been a big challenge with many reputed brands in India," explains Gupta. "With our 25 years of experience in the Pro Audio market, we are confident that rental companies, musicians and big artists will just love the sound of HK Audio. Be ready for German precision and Indian Performance!"

"We are delighted to partner with Hi-Tech Audio Video Systems Pvt as our new exclusive distributor for India," adds **David Leonhard, HK Audio ISM Middle East and India**. "We see India as a very important market with vibrant events and installation sectors. We are excited to see how our new partners will grow our market share and look forward to seeing users across the country benefit from HK Audio products."

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CHINA

Barco Strengthens China Growth Trajectory with Major Technology Order and Distribution Expansion

Barco has announced a major commercial agreement with **Huao Media,** a key distribution partner in China. The deal includes the delivery of 400 projectors, 1,200 lenses, and 60 Encore3 systems, scheduled for rollout across 2025 and into early 2026.

This milestone order reflects a significant step forward in Barco's strategic expansion in Asia, and growing momentum in the Chinese market. It not only strengthens Barco's footprint in the region but also reinforces its confidence in the long-term strategic importance of China as a growth market for professional, high-impact visualization solutions.

The order comprises a total of four hundred I600-4K15 single-chip laser projectors, over a thousand units of matching ILD lenses and sixty Encore3 image processing systems. Notably, Huao has already secured end customers for a substantial portion of the equipment with the products earmarked for active projects, underscoring the strength of Huao's market reach and the increasing demand for Barco's advanced visualization solutions.

"The Chinese market has faced considerable headwinds since the COVID-19 pandemic, with slower recovery and cautious investment patterns," said **Domien De Witte, Vice President Sales and Marketing at Barco**. "However, we're now seeing encouraging signs of renewed growth, and this deal with Huao is a testament to that shift. It's also a reflection of the trust and agility that define our partnership."

The growing immersive experience industry in China is driven by increasing demand for virtual

and mixed reality experiences, particularly in entertainment, cultural venues, and live events – segments where Barco's solutions are ideally positioned. Similarly, the professional AV market is showing signs of recovery, with renewed investment and innovation fuelling demand across corporate, education, and government applications.

Liu Dong, Chairman of Huao adds: "As China's immersive market accelerates, we recognized the need for a technology partner that could not only meet current demands but also scale with us into the future. This partnership marks a new chapter for us; it's a strategic move to align with a brand that understands the dynamics of a fast-growing market and is committed to supporting our long-term success."

Barco's collaboration with Huao is part of a broader strategy to strengthen its presence in high-potential markets through targeted partnerships and customer-centric distribution models. Huao's robust distribution strategy, which emphasizes direct engagement with end users and integrators, has proven instrumental in accelerating adoption of Barco's technologies across entertainment, cultural and corporate sectors in China.

AUSTRALIA
Elite Moves with JBL VTX

Elite Event Technology has bolstered its inventory with what is one of the largest deployments of JBL VTX and Crown technology in the Asia-Pacific region.

The system represents one of the most significant JBL VTX deployments in the Asia-Pacific region, comprising 96 VTX A-Series line array elements (A12, A8 and A6), supported by 50 VTX B-Series 18-inch subwoofers and driven by Crown Audio amplification. Designed to meet international rider expectations, the setup positions EET to deliver touring-standard sound across a wide spectrum of events— from stadium concerts to cultural showcases— providing promoters and artists with access to a world-class system now available at scale in Australia.

Elite Event Technology (EET) – one of Australia's largest and most seasoned live event technology service provider – has made a decisive move in elevating the country's live touring sound with a major investment in **HARMAN Professional Solutions' JBL** VTX A-Series line arrays and **Crown Audio** amplifiers, supplied through **MadisonAV**.

Darren Russell, Owner & Managing Director of Elite Event Technology, said: "We're thrilled to bring the JBL VTX A-Series to our clients. This investment reflects our commitment to delivering exceptional audio experiences at Australia's most iconic events."

Representing one of the largest deployments of JBL VTX and Crown technology in the Asia-Pacific region, the investment ensures greater consistency of system choice for touring artists when travelling to Australia, reinforcing EET's reputation as a major force in the live events sector.

SINGAPORE

J5 Productions Enjoys Unparalleled Wireless Capabilities with Sennheiser EW-DX
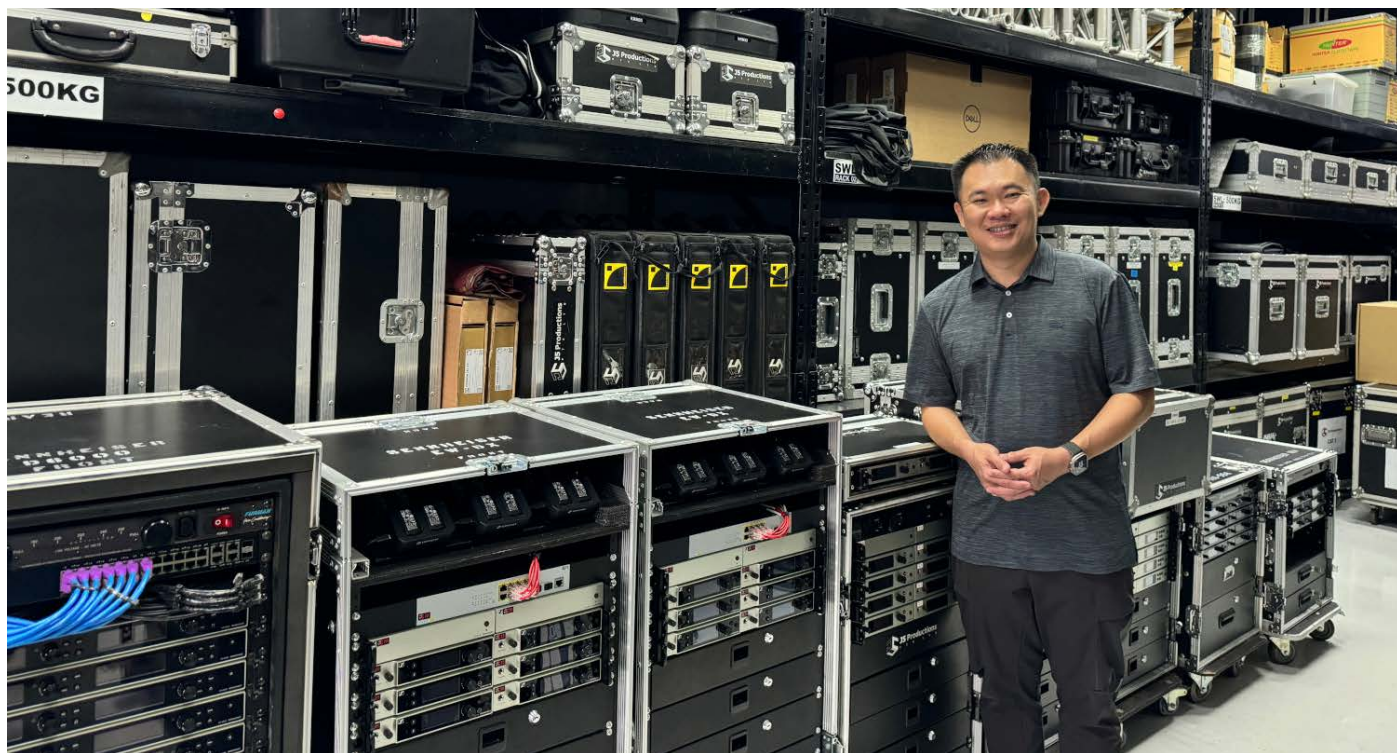
Singapore-based **J5 Productions** assert that their wireless capabilities are undoubtedly enhanced with the addition of **Sennheiser** EW-DX systems – expanding an already extensive inventory of Digital 6000, EW 100 G4, EW 300 G4 and 2000 series systems. Founded in 2010 by Justin Tan, J5 Productions has evolved from a one-man operation into a team producing mid to large-scale MICE events and arts festivals, with Sennheiser equipment playing a central role in its technical growth.

When Sennheiser launched Evolution Wireless Digital with the EW-D series, it caught the attention of the company's technical team, but it was the arrival of EW-DX that proved decisive. In late 2023, J5 Productions invested in 24 channels of EW-DX, adding a further 16 channels in 2024. "We did A/B testing with our existing systems and the EW-DX, and it stood out immediately," says

Justin Tan, Founder and Managing Director of J5 Productions. "It's an extremely versatile digital all-rounder that performs equally well in conference and performance settings."

In Singapore's fast-paced live events environment, streamlined workflow is vital. "There's no time to fuss—we need equipment that's simple, smart, and intuitive, and the EW-DX delivers exactly that," Justin explains. The system's user-friendly design has become a major asset, with the e-ink display on transmitters retaining information even when powered off. "During large conferences where many microphones are deployed, unlabelled microphone batteries taken out for charging can quickly lead to confusion and wasted time," he says. "With the e-ink display, information is always 'on', and we no longer need to label the transmitters. It is a small detail, but this saves us a lot of time."

Bluetooth syncing and the Smart Assist app have further accelerated setup, allowing the team to monitor and control systems remotely via iPad. "With the Smart Assist app, we can move freely during setup or shows while maintaining complete control over the system," Justin adds. "The user interface is clean, intuitive, and customisable—simple but effective."

The EW-DX system has since been deployed at numerous corporate and government events, including a major conference requiring eight stages across six exhibition halls and more than 100 microphone channels. "The Link Density Mode and equidistant channel spacing of EW-DX allow us to deploy many microphones in a congested spectrum environment. This eliminates intermodulation and simplifies frequency coordination," Justin explains. "That is crucial for events with large wireless set-ups where multiple AV vendors compete for bandwidth. It also gives us the confidence to allocate frequencies to other vendors and exhibitors while maintaining performance and reliability on our end."

Sustainability has also been a key advantage. "We used to dispose of a large amount of AA batteries after each event. Now, we've significantly reduced battery waste with the use of rechargeable batteries," Justin says. "By cutting down on single-use batteries, the team not only reduces toxic landfill waste but also aligns with a growing industry-wide shift toward more sustainable practices. The major advantage of the EW-DX is its use of rechargeable batteries—a small change with a big environmental impact."

Beyond the technology, Justin highlights the role of Sennheiser's support. "The sales team is always responsive—whether it's a last-minute quote or a technical query, they go above and beyond to support us," he notes. For Justin and his team, the work remains purpose-driven. "We are builders, engineers, and creators. Our best work should always be the next one."

AUSTRALIA

Resolution X Future-Proofs Networking with Luminex GigaCore Investment

Resolution X has expanded its networking arsenal with the new GigaCore 20t and GigaCore 30i – 10Gb switches, facilitated by Show Technology Australia and New Zealand.

The company believes that the 10-gigabit backbone future proofs them for many years of entertainment networking.

With network reliability now being seen as a non-negotiable in live events and permanent installations today; **Luminex's** GigaCore range of Ethernet switches has quickly become a benchmark for delivering robust, low-latency performance across audio, video, and lighting protocols — a fact underscored by **Resolution X's** latest investment.

The Australian production powerhouse has expanded its networking arsenal with the new GigaCore 20t and GigaCore 30i – 10Gb switches,

facilitated by **Show Technology Australia and New Zealand** Optimised to transport large volumes of data without dropouts or delays, the new GigaCore units are designed to meet the most demanding conditions on tour and in fixed environments.

"We already owned the older generation of Luminex GigaCores, which have been great," explained **Resolution X's Peter Verghan**. "However, they were discontinued, and we needed to invest quite heavily to deliver new products and new projects. They were the easy

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choice given that we already had some, and they are the industry leaders. The 10-gigabit backbone future proofs us for many years of entertainment networking."

Ease of use remains a defining advantage. "The simplicity of it all is incredible," Peter continued. "No advanced IT background is required, making these switches user-friendly and taking some of the mystery out of networking. Anyone can walk up to the hardware and very quickly get an understanding of what it's doing."

Supported by the ARANEO software suite, GigaCore switches integrate seamlessly with the Luminex Node series and include advanced tools such as "Health Check" to automatically verify critical network parameters. Resolution X also runs all GigaCore switches with Single Mode Fibre for maximum performance and future-readiness, complemented by custom patch panels for EtherCON and IP67 LC Single Mode Fibre. The 30i series further benefits from dual power supplies, offering both redundancy and a larger PoE budget.

Peter also highlighted the strong partnership with Show Technology while appreciating their support, citing that being able to pick up the phone and speak to the them gives team Res X a lot of confidence.

INDIA

Drishti Events First in India to Invest in Martin Audio TORUS

New Delhi-based **Drishti Events** has raised the bar for live sound in the capital with a strategic investment in **Martin Audio's** TORUS T1215 and T1230 constant curvature loudspeakers — becoming the first production company in India to acquire the system.

Purpose-built for short-to-medium throw applications, TORUS delivers pristine clarity, smooth tonal balance, and adaptable coverage patterns that allow seamless performance across a wide range of event formats. To complement the tops, Drishti Events has added Martin Audio Blackline X218 dual 18-inch subwoofers, powered by Linea Research 44M10 DSP amplifiers for advanced processing, precise system optimisation, and rock-solid reliability.

For Drishti Events, the investment represents both a technical upgrade and a statement of intent. "This investment has been a defining step for our company," says **Drishti Events Director, Rajeev Bhatt.** "The clarity, consistency, and adaptability TORUS brings allow us to take on a wider variety of events with complete confidence. It has enhanced our service quality, impressed our clients, and strengthened our reputation as a premium event solutions provider."

The move was facilitated by **VMT** the official distributors of Martin Audio in India. Jeff Mandot, Director at VMT, notes, "This move reflects Drishti Events' vision and leadership in the industry. It enhances their production capabilities, empowers them to deliver at the highest standard, and reinforces their standing as a leader in delivering premium event experiences."

GLOBAL

Ark Ventures Pioneering Investment in Brompton Technology's Next-Gen Tessera SQ200 LED processor

Ark Ventures an LED systems integrator within the **Symunity Group** has become the first sales partner globally to invest in **Brompton Technology's** Tessera SQ200 LED processor to form part of its inventory line-up. The deal was finalised during IBC 2025 in Amsterdam.

"We're thrilled to be the first company in the world to invest in Brompton's next-generation LED processing platform. With its flagship 8K Tessera SQ200, we can unlock unprecedented performance and creative possibilities, pushing technical boundaries to deliver the most cutting-edge visual experiences. The SQ200 perfectly complements our commitment to offer world-class solutions, and we are excited to continue our journey with Brompton as a trusted partner!" exclaims **David Oh of Ark Ventures**.

A trusted Brompton partner since 2020, Ark Ventures has played a pivotal role in delivering some of the largest virtual production stages in the Asia Pacific region, as well as some of the most ambitious immersive events. Earlier this year, the company also became the first Asian integrator to be certified as a Brompton Hydra Partner in Japan and South Korea, further strengthening its relationship with Brompton and commitment to advancing LED display technology in the region.

"We are delighted that Ark Ventures is the first company to place a stocking order for our Tessera SQ200," says **Brompton's CEO, Richard Mead**. "As one of our most valued partners, we have built a long-lasting relationship founded on shared philosophies, with both companies fully committed to delivering the best possible experience and caring deeply about their customers, something that runs through the very fabric of Brompton. Its decision to adopt the SQ200 is a powerful statement of confidence and ensures it can continue bringing new levels of innovation to their customers."

The Tessera SQ200 represents the most powerful 8K LED video processor on the market today, built on Brompton's Gen 3 processing platform. Fully backwards-compatible with existing Brompton-powered LED panels and Tessera XD distribution units, the SQ200 offers a 20-fold increase in power compared to the award-winning Tessera SX40, and introduces support for AVoIP protocols including the most reliable SMPTE ST 2110 integration. With 100Gb Ethernet connectivity, it enables uncompressed 8K video-over-IP at 60fps and 12-bit colour depth over a single cable, plus redundant 100Gb links for demanding workflows. Additional innovations include support for irregular canvas sizes up to 64K pixels in either dimension, ensuring a single processor can drive even the largest and most complex LED displays.

GLOBAL

ChamSys Acquires Arkaos MediaMaster, GrandVJ and KlingNet to Deliver Unified Lighting, Pixel Mapping and Media Control Solution

ChamSys a subsidiary of Chauvet & Sons LLC, has expanded its leadership in show control by acquiring the product and software portfolio of Arkaos SA, including MediaMaster, KlingNet and Grand VJ. The strategic move marks a major milestone in delivering a fully unified "One Console. One Server. One Show. control solution."

ChamSys will release ChamSys MediaMaster 25, a major update to Arkaos MediaMaster 6 software, encompassing a new super-easy-to-use interface that can span multiple screens and flexible project workspaces -- and features user-defined GDTF personalities. MediaMaster 25 will be complemented by a new range of powerful ChamSys MediaMaster Servers.

ChamSys MediaMaster 25 users will benefit from ChamSys' 24/7 global support, expanded documentation, and training programs. **Arkaos General Manager Tony De Prins**, along with the longstanding Arkaos engineering team, will join the ChamSys group, ensuring uninterrupted support and continued innovation. Current MediaMaster customers can continue using their existing licenses with no change or added costs.

Future updates will provide a seamless integration path into the ChamSys ecosystem. Arkaos customers will be able to interface with MediaMaster and other Arkaos products via the ChamSys website.

"The acquisition strengthens ChamSys as the leading single-source solution for native lighting, pixel, and media control," said Chris Kennedy, Founder of ChamSys. "By unifying MediaMaster with ChamSys control systems, we are giving users seamless, powerful, and reliable control from a single platform, eliminating workflow complications and technical barriers."

Seconding Kennedy's optimism, De Prins recalled the "strong history" of collaboration between ChamSys and Arkaos, noting that both companies were key players in the groundbreaking CITP/MSEX open network protocol, which revolutionised the industry by allowing high level integration of lighting controllers, media servers, and visualisers, making it possible for applications to share video in real time, and display it on a lighting console or in a visualiser.

"Our team is going to be right at home being part of ChamSys," said De Prins. "ChamSys has been a trusted partner for years. Joining forces will strengthen our efforts in a multitude of ways and result in very real benefits in modern production control. You can look forward to some very impressive things happening."

INDIA

Martin Professional Lights Up in India with Landmark Additions by MSS World and Batra Electricals

MSS World.

Martin Professional continues to make waves in India's live event sector, as leading technical rental companies in Delhi strengthen their inventories with some of the brand's most advanced fixtures.

MSS World one of North India's largest Martin Professional rental partners, has made a major leap forward with the addition of a whopping 100 units each of the MAC Aura Raven XIP and the MAC One, and 36 units of the MAC Viper XIP. This massive inventory update has fortified MSS World with a formidable arsenal that underscores the company's commitment to redefining stagecraft with lighting solutions that deliver versatility, precision, and breathtaking visual impact. Whether it's electrifying spectacles, or large-scale cultural productions, these fixtures are set to elevate experiences with unmatched dynamic effects and creative freedom.

Adding to the momentum, **Batra Electricals** has also invested in 36 units of the MAC Viper XIP, supplied through Harman's authorised partner, **Apex Solutions**. Renowned for its powerful output, dynamic colour performance, and optical excellence, the MAC Viper XIP is designed to meet the demanding needs of today's event stages — bringing new levels of creativity and energy to productions.

These landmark acquisitions highlight the growing adoption of Martin Professional across India's rental ecosystem. As more companies embrace Martin's innovation-driven portfolio, audiences across the country can expect stage environments that are more immersive, more powerful, and more unforgettable than ever before.

Batra Electricals.

GLOBAL

AV Stumpfl Ramps Up with New Production Hall

The new facility adds 2,200m² of production space, effectively doubling the company's production capacity.

AV Stumpfl celebrated the opening of its new 2,200m² production hall at its headquarters in Wallern an der Trattnach together with its entire team during this year's summer family festival.

Fuelled by a good economy in the United States – one of AV Stumpfl's major sales markets – the company is experiencing a strong increase in demand from the "land of opportunity".

The new facility adds 2,200m² of production space, effectively doubling the company's production capacity. Last year, AV Stumpfl invested in new equipment for a second production line and welcomed 20 new team members. Until now, this team was spread across various parts of the company building, which proved inefficient. With the new production hall, workflows can now be organised much more effectively.

An alternative to building the new facility would have been switching to shift work – but that approach would have contradicted the company's philosophy. The management affirm that to them

growth is never pursued as an end in itself; as they describe the investment in the new hall as also investing in the hearts of team members, customers and partners.

"The construction of this new hall marks not just another major milestone in our company's history but also an investment in the future of our team. We are a company defined by innovation and quality, but we always place our people at the centre of everything we do," explains **Stefanie Niederwimmer, head of AV Stumpfl's projection screens division**, which also includes responsibility for production. "It's all about preserving a positive working environment – full of light and space – where everyone feels comfortable and can truly reach their potential."

The team is already enjoying their new working environment, with the hall officially completed and fully operational. The "AV Stumpfl standard" is immediately evident: a bright, quiet space with an ideal indoor climate – the perfect conditions for focused, productive work.

And the company is already looking ahead: "We have some exciting ideas for further developing our site, which we like to think of as a place of strength," says CEO Tobias Stumpfl, though he's keeping the details under wraps for now. "We believe in taking one step at a time. For us, it's not about growth for growth's sake – it's about holistic quality."

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SINGAPORE

LDR's Astro 600 Delivers Reliable Followspot Solution at Singapore Institute of Management

When the Singapore Institute of Management (SIM) faced the urgent need to replace a faulty followspot from a competing brand, the solution had to be both immediate and uncompromising in reliability. The answer came in the form of the Astro 600 from **Luci Della Ribalta (LDR)** supplied and installed by long-time partner **DeSisti Asia** "The client simply wanted to replace a defective followspot," explains Raymond Yong, Director of Sales & Projects at DeSisti Asia. "There was a demand to find a product in a short time frame that was 100% reliable, which is why we immediately recommended and proposed the Astro 600 from Luci Della Ribalta, a manufacturer we have worked with for years and who has never failed to meet expectations."

Headquartered in Singapore, DeSisti Asia is a recognised authority in broadcast, theatre, and architectural lighting, with extensive experience designing, supplying, and installing systems for theatres, concert halls, auditoriums, hotels,

and education institutions. The company's long-standing collaboration with LDR provided the trust and confidence necessary to deliver a swift solution. "We have been loyal distributors of LDR for many years, so it makes sense to recommend a brand and product we trust," emphasizes Raymond.

The Astro 600 proved to be the perfect fit, offering brightness and performance on par with the previous system, but at a significantly lower operating cost. "Client feedback has been very positive," Yong confirms. "They are satisfied that the light quality of the Astro 600 matches the previous product — which consumed far more resources — while the pricing clearly positions LDR as the smarter choice."

According to LDR, this latest installation reinforces the brand's growing footprint in Eastern markets, where the professional lighting sector is both competitive and highly informed. Singapore, in particular, is home to a discerning community of theatre professionals and lighting designers who are constantly exposed to the latest technologies through trade shows, factory visits, and international workshops. And in a market where success relies on the ability to combine technical excellence with cost-effectiveness, LDR affirms that the Astro 600 demonstrates precisely that balance — a reliable, high-quality followspot that meets the expectations of the most demanding users, while also offering strong value.

DUBAI

d&b Sets a New Benchmark for Arena Audio in Dubai

Dubai's Coca-Cola Arena has stepped boldly into its new season with a major audio upgrade that spotlights a permanent installation of **d&b audiotechnik's** iconic SL-Series system. Designed to conquer the challenges of large-scale, quick-turnaround arena productions, the system now ensures uncompromising sound quality across every seat in the house.

The decision marks a milestone in venue investment, prioritising flexibility and premium audience experiences. Fine-tuned during smaller-scale August performances, the system's true test came in September during AP Dhillon's in-the-round show — a 360° deployment of d&b speakers, executed with minimal external support, that drew unanimous praise from artists, engineers, and audiences alike.

The flown hangs feature four arrays of 12 units of the KSL8, two hangs of 14 units of the GSL8, two hangs of 12 units of the XSL8, and four hangs of SL-Subs – all supported by upper delay rings comprising 8 units of the CCL8s and 17 units of the 24s loudspeakers. On the ground, the system packs power with 24 units of the SL-G Subs and

12 units of the AL90 loudspeakers that have been deployed as fills at strategic points, with the entire loudspeaker system driven by d&b's flagship D40 and D90 amplifiers.

The result is a crystal-clear, headroom-rich soundscape, which according to the venue's in-house technical team, perfectly meets the demands of world-class touring acts while cementing Coca-Cola Arena's status as the Middle East's premier large-scale venue.

"I'm excited to see how this investment transforms upcoming shows. Having an A-class, international-standard touring system permanently installed will not only elevate the Coca-Cola Arena experience but also set a new benchmark for venues across the region," a spokesperson from the Arena commented.

As Dubai continues its ascent as a global live entertainment hub, Coca-Cola Arena's investment in d&b's SL-Series underlines a clear message: artists and audiences alike can expect nothing less than arena-sized perfection.

CHINA

Yunhe's Fairy-Tale Theatre Elevates Performance Audio with Twin DiGiCo Quantum 338 Consoles

In the heart of Yunhe—known across China as the famed "Wooden Toy Town"—stands a venue as enchanting as its name suggests: the Fairy-Tale Theatre. Recently, this multi-functional 696-seat cultural gem, which sports a main stage plus double side stages, has embraced a new chapter in audio excellence, thanks to the installation of not one, but two **DiGiCo** Quantum 338 consoles. The investment underscores the theatre's commitment to delivering world-class sound for every performance within its storybook-inspired castle complex.

The Quantum 338 brings formidable versatility to the stage: 128 input channels, 64 Aux or sub-group busses, and a 24 x 24 full processing matrix. Ultra-bright screens aid rehearsals, while subtle dark mode ensures distraction-free performances. The dual-console configuration adds further resilience—one desk serves as the main, while the second is mirrored in real time as a backup. This redundancy not only minimises downtime risk but also streamlines teamwork by offering seamless synchronisation and overview.

The decision was overseen by **Rightway Audio Consultants (RAC)**, DiGiCo's distributors in China, with Zhao Haozhi, Deputy Manager of the Product Department, deeply involved in the project. "Yunhe Fairy-Tale Theatre benefits from exquisite architectural design and visitors will be impressed by the modern, minimalist style," Zhao explains. "The stage equipment is professional and comprehensive, and the team insist on high standards, so the DiGiCo Quantum 338 was a natural choice. The result is truly next-level—no matter the performance, the sound system is well suited to deliver a fairy-tale experience."

The theatre's debut with its new consoles was nothing short of magical. The China National Opera & Dance Drama Theatre Traditional Music Troupe premiered Hymn of the Earth to showcase the system's capabilities—an evening that marked both a technical and artistic triumph.

For Zhao, the installation is about more than technology—it's about creative empowerment. "We are proud of the work we do with venues like Yunhe Fairy-Tale Theatre," he reflects. "Seeing the benefit of investing in great tools like DiGiCo and the transformative effect that can have on the creativity of theatre shows is very rewarding. Alongside DiGiCo, we will continue to support the theatre's performances with excellent audio technology, helping Yunhe's cultural vibes to shine brightly."

Leadership Forged in Fire & Light

Dick Titus, President and CEO of Electronic Theatre Controls (ETC), Channels Battlefield Grit into Visionary Corporate Leadership in His Mission to Steer ETC's Global Growth with Resilience, Reinvention, and a People-First Ethos.

What does it take to lead a company that has shaped the very language of stage and architectural lighting for over five decades?

For Dick Titus, President and CEO of **Electronic Theatre Controls (ETC)** the answer lies at the intersection of grit, vision, and unwavering commitment to people.

Decorated for his service in the Vietnam War with the United States Army's 101st Airborne Division and honoured with two Purple Hearts, Titus brings a soldier's resilience and sense of accountability into the corporate battlefield. The lessons he carried from the front lines — never leave anyone behind, stay calm under pressure, and always get back up — have become the cornerstones of ETC's culture.

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Under his stewardship, ETC has expanded far beyond its origins as a pioneer in theatrical lighting controls. Today, the company stands as a global leader offering full-system solutions, embracing cutting-edge innovation in console design, networked control, architectural applications, and themed entertainment. From making its Hog consoles faster and smarter to advancing sensory-friendly design for neurodiverse users, ETC reflects Titus's philosophy that technology must empower rather than overwhelm. The company's evolution has been matched by its bold structural shift to 100% employee ownership — an unprecedented move that, in his words, strengthens culture, fuels innovation, and inspires long-term loyalty.

Yet, the story of ETC under Titus's leadership is not just about technology. It's about navigating volatility — whether overcoming post-COVID supply chain crises through rapid redesigns, or expanding into diverse markets where global standards must coexist with local protocols. With Asia-Pacific now one of ETC's fastest-growing regions, Titus is keenly focused on maintaining ETC's high-end DNA while meeting hyper-local expectations. His approach is not about compromise — it is about integration, partnership, and foresight.

As Entertainment Technology Asia sits down with Dick Titus for this exclusive conversation, he reflects candidly on resilience, reinvention, and the road ahead. What follows is a rare look into the mind of a leader who views every challenge as an opportunity to put people — and the power of light — first.

ETA: First off, we would like to congratulate you on being decorated for your service in Vietnam in the United States Army's 101st Airborne Division and receiving two Purple Hearts. We'd love to know, how have lessons from your military service shaped your leadership values—especially around resilience, trust, and accountability?

DT: Thank you. My time in the military taught me several important things: to stay calm in stressful times, to have my fellow members' backs and never leave anyone behind, that all employees at every level of the unit are important to its success, and that when life knocks you down, you get back up. At ETC, I try to create a workplace where people feel supported, which helps them do great work for our customers. I believe in being strong during hard times, being honest, and keeping my promises. My job is to give clear direction and make sure our team knows we support them. Even though my military service ended long ago, that sense of commitment to our employees and ETC still endures.

ETA: ETC commemorated its 50th anniversary earlier this year at Prolight + Sound with a slew of product launches—from Halcyon Silent to RigPOV and Foundry Switch Panels. If you had to choose, which innovation most crystallises your vision of ETC's evolution—and why?

DT: It's hard to choose just one product or innovation that captures ETC's evolution. ETC started as a company focused on lighting controls, but now we offer full system solutions. We've adapted our products to meet new market needs and serve customers around the world. Every product we make shows our care and commitment to helping customers at every level.

ETA: Your latest Hog console lineup (Tour, Stage, Flex, Gig) marks a major leap in live-event tooling. What user insight or technical

breakthrough informed this redesign? Were there any particular changes / enhancements in on-ground workflow that you and your team wished to impact?

DT: Our new Hog console lineup came from listening to our customers and updating the hardware to make it more modern and consistent across models. We added features like motorized faders and dashboard displays to make the consoles easier to use. These changes help users work faster and more smoothly. All consoles now match the HPU unit in output, so it's easier to switch between them. We also modernised the hardware to focus on new software expansions and solve more user needs in the future. Our goal is to make our customers' jobs easier.

ETA: With ETC recently going 100% employee-owned, how has this transformation influenced your corporate ethos, and what fresh opportunities has it unlocked—for culture, innovation, or market approach?

DT: Our employees and customers have always been our top priorities. This ownership model encourages long-term thinking and teamwork. It clarifies to employees how decisions they make benefit the company and as a result themselves. It also motivates people to stay and grow with ETC. The result is a stronger culture, better teamwork, and more innovation.

ETA: Echoflex and SiteLink expanded your footprint in architectural/networked control. How do you, as the company's CEO, balance ETC's heritage in theatrical lighting with the demands of smart-building and IoT ecosystems? In the same stride, ETC has made strong inroads into themed entertainment (e.g. Aquariums, 4D theatres) with dedicated specialists. What unique challenges and design parameters

are ETC's team of decision makers and designers addressing in immersive, non-stage environments?

DT: Our goal is always to solve problems for our customers. Whether it's saving energy, predicting maintenance needs, or being more sustainable, our teams design products that go beyond expectations. We believe lighting will continue to mix with other technologies, and we want to lead that change. Our team is curious and dedicated, always looking for ways to help our customers.

ETA: When it comes to accessible software and sensory-friendly environments, what key decisions went into shaping ETC's product road-map to serve broader user needs—including neurodiverse and differently-abled audiences?

DT: We want everyone to be able to use our products. Inclusivity is important in entertainment, and we follow a Universal Design approach to make sure our products are easy to use for everyone. We use international standards and include people who are neurodiverse and differently-abled to help guide our design process. We still have work to do, but we're committed to improving the experience for all customers.

ETA: Asia-Pacific is among ETC's fastest-growing markets—with rising investments in theatre, themed entertainment, and architectural lighting. How has this shaped your R&D priorities or influenced new product development at headquarters? What insights have emerged from ETC's operations in Asia that have shifted your perspective on global scalability and market readiness? And how is ETC preparing to meet the hyper-local expectations across Asia-Pacific without diluting its high-end brand DNA, especially considering the fact that Asia-Pacific projects often call

for hybrid expertise where ETC solutions must coexist with competitive local brands or alternative protocols.

DT: Asia-Pacific is a key region for us and is a large consideration in many aspects of the company from quality to product features to logistics. Our products support many protocols, so many products don't just co-exist with other manufacturers, they are designed for direct integration. We offer products at different price levels to meet different needs, but we always include professional features and high quality. Logistics can be challenging, so quality is even more important. It is critical that we include professional features, strong performance, and high quality at all product levels. We're focused on keeping our high standards while meeting local needs.

ETA: We understand that ETC weathered post-COVID supply-chain and chip shortages by redesigning core product lines. Please talk to us about the thought process that led to this decision – the pros, cons, and making the final call? Also, what structural changes did you embed at ETC to boost resilience and adaptability?

DT: During the post-COVID supply chain crisis, we had to redesign some products to keep shipping and supporting customers. Our team found smart solutions and showed great resilience. We changed how we design products so we can use different parts when needed. This helps us adapt to future supply chain changes. Every decision was guided by our commitment to employees and customers.

ETA: As a CEO deeply attuned to manufacturing, engineering, product and cultural spheres, how do you map your time across strategic planning, user interaction and product development on a daily basis?

DT: As CEO, I don't lead alone—ETC has many talented people who bring their best every day. Our leadership team handles daily operations with skill and discipline. I focus on mentoring ETC management for strategic planning, talking with customers, developing products, and supporting employees. These activities help guide ETC's future. Our executive team, with decades of experience, works together to keep things clear, moving, and aligned. We all focus on doing what's best for our customers. Our shared focus on the customer ensures that we're all committed to doing the right thing.

ETA: Looking ahead, where do you see ETC making its next disruptive move—whether in control systems, fixture technology, software or new markets—and what role will regions like Asia-Pacific play in accelerating that evolution?

DT: Asia-Pacific has been more important to us since 1995 when we opened an office there. From product development to procurement, we've relied on strong partnerships and customer feedback to guide our growth. We'll keep expanding in current markets and explore new ones through innovation and partnerships. As we bring new technologies into our products, we remain committed to putting people first. As systems get more complex, we're improving support at every stage—from planning to maintenance. Our goal is to give customers more time to focus on what matters most.

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Absen Experiences Qualitative Success in Malaysia

Absen has established itself as a leader in the LED screen market in Malaysia, focusing on their role in enhancing the visual landscape of urban areas and their commitment to quality and customer collaboration.

LianTronics' E-Sapphire Series is Engineered for Rental Success

LianTronics & Esdlumen's E-Sapphire delivers crystal-clear visuals, faster installs, and rugged reliability—cutting costs, saving time, and boosting ROI for rental partners seeking a business tool that performs flawlessly under pressure.

INFiLED & Blue Rhine Unveil LED Landmark in Dubai

In Dubai, the world's longest LED screen stretches an incredible 440 metres along the promenade of the Dubai Fountain, with this record-breaking installation designed and commissioned by INFiLED and Blue Rhine Industries in an effort to transform construction hoarding into a mesmerising digital canvas.

Novastar VMP Group Management Simplifies Screen Management

Novastar's VMP Group Management is a software feature that simplifies the configuration and control process for large-scale screen setups commonly used in shows and events. By organizing screens into projects, groups, and individual controllers, this tool enhances workflow efficiency and user experience, minimizing configuration time and potential errors.

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GLP Announces WildBar 16

GLP has launched the all-new WildBar 16 – a weatherproof LED bar designed for impressive show moments. With high light output, great flexibility and robust construction, it is the ideal choice for festivals, stadiums, clubs and many other applications.

With 16 × 40-watt RGBL LEDs, the WildBar 16 delivers a total output of up to 10,300 lumens and an impressive 561 kcd. This provides more than enough power for virtually any application. The colour mixing is optimised for maximum brightness and output – making the WildBar 16 the ideal tool for show lighting.

GLP's WildBar 16 combines a motorised 200° tilt with a zoom range from 4° to 44°. This allows you to create either ultra-parallel 4° light curtains with long reach or evenly wide washes for area illumination – all from a single fixture.

Thanks to the patented identical pixel pitch both within and between fixtures, multiple bars can be seamlessly combined. The result is perfect pixel pitch and homogeneous effects that can be reproduced across endless LED lines – ideal for pixel mapping and large-scale installations. The iQ.Gamut colour technology, known from GLP's X5 Series, delivers both rich primary colours and delicate pastel shades, along with perfectly reproducible white light. Features such as

ColorMix modes, realistic tungsten emulation and consistent colour matching simplify design work and ensure uniform colour across all fixtures using the iQ.Gamut colour algorithm.

The integrated FX engine offers a wide range of pattern effects that can be flexibly combined with tilt and zoom. This makes it effortless to create flowing looks – from rhythmic accents to atmospheric visuals.

Two clearly structured DMX modes – Basic and Pixel – allow for quick patching and easy re-patching. Supported protocols include DMX, RDM, ArtNet, sACN, and GLP iQ.Mesh for wireless networking. With the iQ.Service App, firmware updates, service functions and device configuration can be conveniently managed via smartphone.

With a rugged metal housing and IP65 certification, the WildBar 16 is reliably protected against rain, dust, wind, confetti, pyro particles and mud. This makes it perfectly equipped for any outdoor scenario.

Weighing just 23 kg, the WildBar 16 is easy to rig and can be deployed in larger quantities without difficulty. Its compact design and focus on essential features make it a particularly cost-effective solution – delivering an optimal return on investment

ETC Announces Eos v3.3 Software with Expansion Processing and Much More

ETC has announced the release of Eos v3.3, the latest free software update for its flagship Eos Family of entertainment controllers. Eos v3.3 is packed with a variety of powerful new features and enhancements, including Expansion Processing, improvements to Magic Sheets and additions throughout the system. Eos v3.3 empowers designers, programmers, and technicians to push the creative boundaries of their work.

Expansion Processing allows productions to divide the workload of large rigs across multiple devices. With Expansion Processing, users can scale output as needed, add temporary output to existing system for a single show, or distribute processing loads across large spaces. Expansion Processing utilizes multi-console synchronization to keep the system moving in time, making it ideal for commercial productions, film and studios, themed entertainment, museums, galleries, multi-venue facilities, and rental inventories.

Magic Sheets have also received a major redesign aimed at making it faster each time users create

or edit a Magic Sheet. The new always-on toolbar and increment bar brings options to the surface. And a new right-click or press-and-hold popup context menu puts your most-used tools directly next to your work. Nearly every tool now has a keyboard shortcut associated with it, making it easier than ever to change between tasks.

Alongside new features in Eos v3.3, delivers a range of enhancements to existing tools, improving efficiency and control. Network requirements have been updated to simplify deployment and better support users' control system. Faders have also been redesigned with updated graphics, customizable layouts, and multitouch support, providing more intuitive and responsive control. And the fixture editor now supports curvature adjustments for LED parameters, addressing the challenge of non-linear fades and improving color-matching accuracy with picker tools.

This update also introduces the Eos Fixture Wizard, which simplifies the process of building a new fixture profile. After taking users through a series of questions about the fixture profile they want to create, the Fixture Wizard will guide them through the steps to create an integrated and usable Eos profile. After finishing the Wizard, users are returned to the full fixture editor - allowing access to any adjustments or complex features the Wizard didn't ask about.

Meyer Sound Introduces GEN-1 Technology for Networked Loudspeakers

Meyer Sound has introduced the Galileo Extended Networking platform, or GEN-1—a new technology that brings networked connectivity and onboard signal processing directly to the loudspeaker. AES67-compatible and optimized for Milan integration, GEN-1 represents a highly scalable, adaptable foundation for future system architectures.

GEN-1 builds on Meyer Sound's pioneering legacy in self-powered loudspeakers—bringing that same spirit of integration to the digital signal chain. Traditional sound system designs rely on centralized DSP units to manage processing before distributing signals to loudspeakers. GEN-1 shifts that model by embedding processing at the loudspeaker, reducing cabling and rack requirements while minimizing points of failure. The result is a more streamlined and robust infrastructure—especially valuable in complex or large-scale deployments.

Debuting in the new ASTRYA-140 screen channel loudspeaker, GEN-1 gives system designers greater flexibility in how they deploy Meyer Sound solutions—making it easier to tailor systems to specific performance and budget needs across immersive cinema, themed entertainment, or large multi-zone installs. By delivering the processing power of a single Galileo GALAXY channel at the loudspeaker, GEN-1 enables decentralized processing and transforms each enclosure into an intelligent node within the network. "This is an evolution of the GALAXY system—taking that processing power and pushing it closer to the speaker," says **Brian Smith, Meyer Sound's Product Manager, Digital Systems**. "We're moving from self-powered to self-processed, and that unlocks a new level of efficiency and flexibility."

GEN-1 is capable of receiving an AES67 audio stream and performing full onboard processing,

including delay, EQ, and Meyer Sound's proprietary U-Shaping and Product Integration tools. By embedding this processing at the loudspeaker, GEN1 enables faster deployment, more consistent performance, and easier reconfiguration as systems evolve.

"This gives you much finer-grained scalability— letting you specify exactly the number of loudspeakers you need without overbuilding the system," Smith adds. "It's a more efficient and resilient way to approach system design."

Configured and monitored via Meyer Sound's Nebra software platform, GEN-1 also delivers system telemetry—including signal presence, clip, and limiter status—over a network connection. As the platform evolves, Nebra will enable additional control features and user-defined logic for network redundancy and failover.

Designed for long-term flexibility, the module will support additional connectivity options over time. Support for redundant Milan AVB connectivity is planned for future releases, enabling a redundancy scheme for mission-critical installations.

Future product implementations will extend GEN-1's benefits across Meyer Sound's ecosystem of powered loudspeakers, expanding the reach of speaker-centric processing in installed sound environments.

"GEN-1 is part of a bigger evolution—one shaped by the needs we hear from designers and integrators in the field," says **Andy Davies, Meyer Sound's Senior Director of Product Management**. "It's another example of the ways we're engineering products that connect more intelligently, scale more precisely, and deliver the responsiveness today's systems require."

Vectorworks Unveils Version 2026 Features and Enhancements Aligned with the 'Future of Design'

Vectorworks has announced the official release of Vectorworks 2026, empowering designers to cut through busywork and focus on bringing their best ideas to life. With a renewed emphasis on clarity, collaboration, and streamlined workflows, Vectorworks 2026 introduces a host of innovations that help architects, landscape architects and designers, and entertainment professionals boost productivity and push the boundaries of design.

The 2026 release includes Vectorworks Architect, Landmark, Spotlight, DesignSuite, Fundamentals, ConnectCAD, Braceworks, and Vision, with the English-language editions of this version now available.

"At Vectorworks, we know that every project is an opportunity for creative impact. That's why Vectorworks 2026 is designed to reduce manual adjustments, pursue bold ideas, and help you meet technical standards with ease," said **Vectorworks Chief Product Officer Darick DeHart**. "Our customers want to design without limits, and this release is all about freeing up their time for creative exploration. This is a software that adapts to you, so you can take your work to the next level."

Industry research and reports from Vectorworks and other sources indicate that Building Information Modeling (BIM) and sustainability are significant trends influencing value in the Architecture, Engineering, and Construction (AEC)

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and landscape architecture and design industries. Consequently, this release features new tools and enhancements specifically designed to help professionals adapt to and take advantage of these trends.

According to Vectorworks' 2025 report on AEC industry trends, BIM is expected to continue growing in popularity and importance over the next decade, likely due to a high return on investment and significant client interest. To meet the AEC industry's demand for BIM-based detailed documentation, Vectorworks Architect 2026 boasts Door, Window, and Wall 2D Detailing, allowing granular control over 2D graphics of doors and windows at multiple detail levels. Architects can generate informed wall plans directly from 3D geometry, helping drawings appear as intended without manual workarounds.

Vectorworks 2026 makes it easier for architecture and landscape design professionals to deliver environmentally aware projects with the new Sustainability Dashboard, which combines several sustainability-focused tools into a centralized dashboard, providing live sustainability metrics. Alongside, Vectorworks Spotlight 2026 introduces a new LED Video Wall tool, enabling designers to

easily create and visualize dynamic video displays as part of their production workflows. This enhancement reflects the growing role of LED video integration in live entertainment, concerts, and installations. And beyond new functionality, Vectorworks 2026 reinforces its commitment to the entertainment industry with substantial quality and performance improvements, giving designers greater confidence and efficiency in every stage of production.

Vectorworks 2026 is built with a balance of new functionality and meaningful enhancements to the tools designers use every day. It introduces new tools and workflows that help bring big ideas to life with fewer manual steps, smarter automation, and seamless customization. In addition to flagship advancements like Depth Cueing and Worksheet Slicing, this release also introduces improvements and refinements that make design work faster, more intuitive, and more consistent.

The release of localized language versions will begin in October and conclude in the first quarter of 2026. Vectorworks Subscription and Service Select customers can download Vectorworks 2026 once the product is released in their local markets.

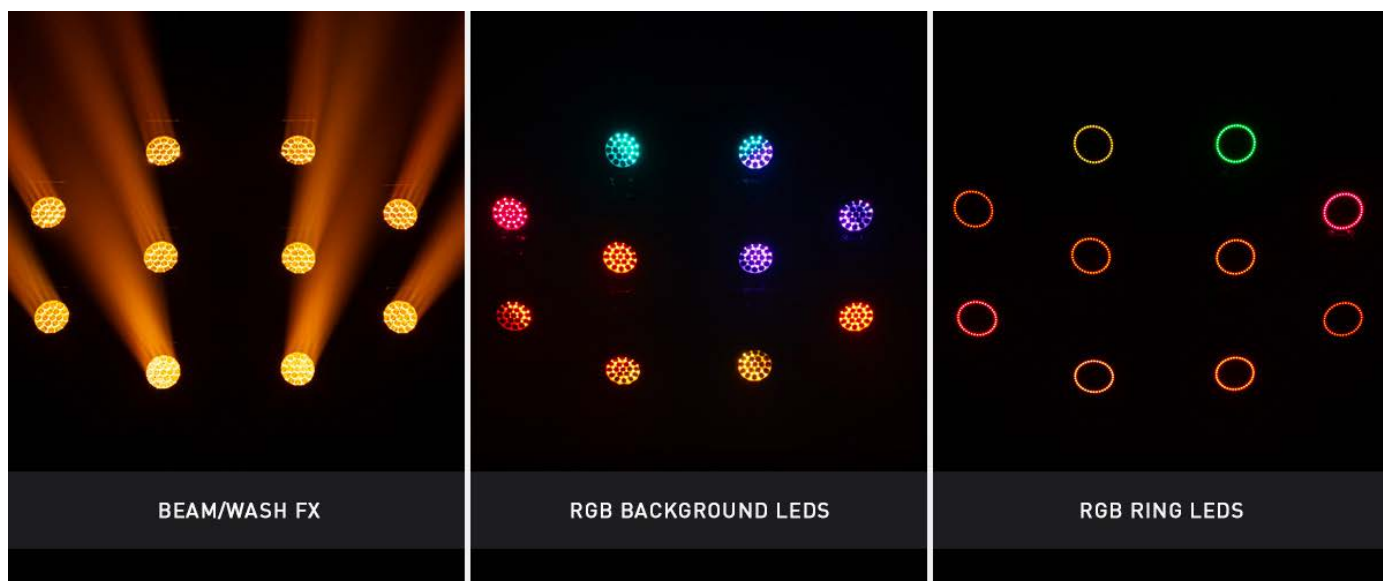# ADJ Unveils Vizi Pix Z19 Pixel-Mappable LED Wash Zoom Fixture with Three Effects in One

ADJ has introduced the new Vizi Pix Z19 – a versatile automated wash-zoom luminaire equipped with 19 pixel-mappable, lime-infused primary LEDs. These can generate everything from a tight column of dense light to a wide wash of vibrant color, as well as dazzling pixel effects. But that's only the start of this fixture's creative potential; it also features two independent sets of eye-candy-generating LEDs. Background color mixing LEDs and an additional outer ring of RGB LEDs provide dynamic tools for further artistic expression.

Providing the fixture's powerhouse are nineteen 30-Watt RGBL color mixing LEDs, which deliver an output of up to 15,000 Lux. Through independent dimming of the red, green, blue and lime LED chips, a vast palette of output colors can be achieved. Each LED can also be controlled independently, allowing for pixel-mapping, while in-built effects and color macros allow quick and easy creation of impressive effects. The LEDs are also precisely color calibrated at the factory, to ensure perfect consistency from batch to batch.

Advanced 3-phase pan and tilt motors allow for lightning-fast movement and extreme precision. The fixture also offers quick and smooth motorized zoom, with a range of 7° to 42°, which allows for the creation of both wide washes and tight beams. Thanks to the inclusion of the lime LED chip, the fixture offers white light output with color temperature variable between 2,700K ~ 10,000K and a good CRI of 84. This makes the fixture suitable for use as a stage key light, offering excellent clarity and natural skin tones, as well as generating color washes and effects.

Adding another layer of lighting potential, thirty 0.5-Watt RGB LEDs are arranged behind the primary lenses to generate background effects. Also offering independent control, these LEDs can be used to generate solid color glows, animated twinkle effects, and complex pixel-mapped patterns that fill the face of the fixture and provide a backdrop for the primary LEDs to punch through. The two layers of LEDs provide huge creative potential for generating both subtle looks and bold effects.

Completing the fixture's unique collection of creative tools, a further forty 0.5-Watt RGB LEDs

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BEAM/WASH FX | RGB BACKGROUND LEDS | RGB RING LEDS

form a ring around the outside of the fixture's face. Providing a vibrant 'halo' surrounding the rest of the fixture's LEDs, this element can either be used alone or combined with the other LEDs to add eye candy to the wash or beam output from the primary light sources.

Compact and lightweight, but also tough and reliable, the Vizi Pix Z19 is suitable both for production applications and integration projects. It features durable Seetronic power and data connections – both 5-pin DMX and RJ45 – and

a large backlit display providing access to an intuitive menu-driven interface for addressing and configuration. A variety of useful tools are designed to make for efficient as well as creative programming, these include a virtual CMY mode, color temperature presets, and built-in pixel effect programs with variable speed and fade time. Compatible with DMX, RDM, Artnet, and sACN, this versatile fixture also integrates the new Aria X2 wireless control and management system. This offers wireless DMX control, OTA (Over The Air) firmware updates and remote configuration via Bluetooth using the Aria X2 BLE app.

Solid State Logic Expands its SSL Live Range Bundles with MPL 16-8 Stagebox

Solid State Logic has announced the expansion of its SSL Live Bundles offering, which now includes the new MPL 16-8 stagebox. These expanded packages provide users with a new, affordable entry point into the world of SSL Live. Designed for engineers and production companies looking to harness SSL's acclaimed superior sonic performance and streamlined

workflow, the MPL 16-8 stagebox opens the door to a powerful, professional-grade live production experience at a significantly reduced investment.

The SSL Live production platform is extremely flexible, with an almost infinite number of system configurations available. SSL Live Bundles have been developed to provide complete systems optimised for touring, installed sound, and

church audio, in the most cost-effective way possible.

The new MPL 16-8 is a Dante-enabled stagebox is designed to deliver streamlined audio connectivity for SSL Live and System T platforms. Engineered with affordability and flexibility in mind, this device offers 16 mic/line inputs and 8-line outputs, making it an ideal solution for budget-conscious applications that still demand SSL performance.

Optimised for single console SSL Live L100 Plus and L200 Plus-based configurations, MPL 16-8 provides reliable and high-quality I/O in a rugged, portable format. It also offers robust Dante connectivity with redundant network support with its etherCON RJ45 connectors, ensuring reliable performance in mission-critical environments.

With the introduction of the new MPL 16-8 stagebox, Solid State Logic has announced new SSL Live Bundles for the L100 and L200 Plus consoles, which are being made available for a limited time at a discounted price. Each bundle has been customised for specific user applications.

SSL Live L100 Plus MPL Dante Bundle includes the L100 Plus console with Blacklight II along with two units of the MPL 16-8 Stageboxes. On the other hand, the SSL Live L200 Plus MPL Dante Tour Bundle includes the L200 Plus console with X-light along with the Net I/O X-Light Bridge and 3 units of the MPL 16-8 Stageboxes. Finally, the SSL Live L200 Plus MPL Dante Install Bundle includes the L200 Plus console with Blacklight II along with the BL to Dante HC Bridge and 3 units of the MPL 16-8 Stageboxes.

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Elation Announces PARAGON Ultra Dimming Firmware To Set New Standard for Dimming Accuracy

Elation has announced the release of Ultra Dimming firmware and other new features that further refine these advanced, high-performance LED profile luminaires.

PARAGON's new Ultra Dimming system utilizes an advanced dual CRI LED engine and electronic driver system to set a new industry standard for dimming accuracy and low-level smoothness. This revolutionary new approach to LED control allows for incredibly precise, low-level dimming control at a very high refresh rate of 25 kHz. Ultra Dimming enables seamless intensity transitions, even at the lowest dimming levels and slowest crossfades, while maintaining optimum refresh rates to minimize camera interference. Operation is 100% flicker-free.

In addition to its unique variable CRI LED array, PARAGON features interchangeable lenses

for fluid conversion between Fresnel and PC Wash Beam configurations. With automatic lens detection, PARAGON intelligently adjusts control settings and fine-tunes optics for optimal output and field control.

Moreover, a specialized Theater Mode further reduces sound levels by slowing specific motors to decrease audibility and resonance. This mode can be remotely activated via the control channel, allowing the fixture to adapt to specific situations as needed during the performance. Other low-noise modes have also been refined for even quieter operation. All of these feature refinements are also included in the new PARAGON LT, which delivers even higher intensity and a narrower zoom for long-throw impact, while remaining one of the most compact and lightweight fixtures in its class.

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Avolites Launches New Range of D3 Consoles

Avolites has introduced a fresh new range of D-Series control consoles – the D3 – uniting power, performance and portability, in a family of five outstanding compact, stylish and fully-featured packages.

The D3 family has been developed for a world that is constantly on the move, also underlining a new and innovative approach from Avolites since becoming 'A Robe Business' at the end of 2023. Smart design and engineering and expedient sizing are at the heart of the D3 series philosophy.

The D3-010, D3-110, D3 Wing, D3 Core and D3 Touch are all powered by Avolites' famous Titan software, offering cost-efficient, intuitive programming and operation, coupled with flexible control for multiple lighting solutions. The series is complete with all the quality, practicality and reliability of Avolites.

Small, self-contained and affordable, the D3-010 is a entry-level stand-alone D3 product handles up to 8 universes of DMX control without needing a laptop, offering full programming via 10 faders, 3 encoder wheels and 12 Macro buttons. An external monitor is quickly added to access the power and flexibility of Avo's stable Titan processing, and a D3 Wing (see below) effortlessly expands the surface with more faders if needed. Avolites assures that the D3-010 is ideal for clubs, mobile rigs and events, or for freelancers wanting to travel light but without compromising on functionality. It is also a perfect size for 'tech' desks needed in rehearsal spaces or pre-production prep scenarios.

Powered by Avolites Titan, the D3-110 is perfect for larger shows, with 24 DMX universes of precision control, inbuilt touch screen, some serious processing and speed and that fantastic Avolites fingertip ergonomics. The D3-110 is a great option for festivals, gigs, performance and dance shows, plus rental and touring fleets across all sectors. The console is robustly engineered and ready for action, delivering optimum performance in a stylish and streamlined case, with a mixture of USB A and C ports for file transfer, device control and systems integration. The company states that it is a great option for small to medium sized venues that have small FOH footprints and for high-spec rental enterprises needing full adaptability and rapid deployment.

The D3 wing, on the other hand, adds 20 high-quality faders to D3-010 and D3-110 workflows for more hands-on and physical control during live playback as well as during cue stacking and speed programming, where it's quicker to reach for something that's right there ... rather than having to scroll. Aesthetically, the D3 Wing seamlessly matches the elegance of the D3 range, complete with the same lines, angles, finishes and cool 'Avo red' LED scheme. It is road-ready and install-friendly. Occupying minimal real estate, it brings maximum flexibility to the control space

for media layers and effects. The D3 Wing steps up the game without needing to replace the console, and as with these two D3 consoles, it is an invaluable tool anytime, anyplace, anywhere – installations, tours, rental companies, etc.

There's also the D3 Core, which is a D3 processor in a neat 1U rack mounted version running Titan and bringing versatility and control practicality to installations, remote controlled shows and space-challenged locations benefitting from the scope and stability of Avolites control. The D3 Core is an evolution for Avolites at a highly competitive price point, which will delight the integration community – it is a logical element of the invention underpinning the D3 series. Applications will include control rooms, theme parks, attractions, museums, theatres and AV environments where long-running pre-scheduled shows are timecode triggered.

And finally, the D3 Touch is a straightforward, pre-configured Titan remote control interface for use with any D3 product, and is targeted at venue and installation markets, particularly those where daily operators need simple access and guaranteed reliability. It enables non-technical staff to switch on / off anything from looped show playbacks to house light presets, from cleaning lights to architectural schemes. The user-friendly plug-and-play D3 Touch integrates Titan with a specially designed interface, making it a smart choice for compact, secure, and hands-off lighting control.

Claypaky Announces Arolla Aqua HP

Claypaky has introduced the all-new Arolla Aqua HP as the most powerful fixture in the brand's famed Arolla Aqua series. Designed for lighting professionals who need a versatile, high-performance, all-weather moving head, the fixture is equipped with a custom 1400W white LED engine that delivers over 60,000 lumens, enabling it to provide exceptional brightness, precision, and creative flexibility. Its rugged design ensures reliable indoor and outdoor use, making it ideal for touring and demanding environments. The fixture features a 220 mm front lens, producing intense, sharp beams that remain impactful over long distances. With a zoom range of 3.6° to 55°, it seamlessly transitions from narrow beams to wide washes, making it perfect for key lighting, aerial effects, and dramatic visual displays.

The company has confirmed that the official unveiling of this groundbreaking innovation will take place in London at the PLASA 2025 event in a world premiere. Alongside the Arolla Aqua HP, the exhibition will see some of Claypaky's other renowned fixtures proudly go on display; the likes of which include the Ultimo Sharpy, the Tambora Stormy Linear and Glare, the Volero Twins, and of course, the Arolla Aqua LT and Wash HC – all of which will be making their PLASA debut. Claypaky and partners Entedi will be hosting a special celebration of Claypaky's 50th anniversary, taking place on Monday 8th September during the show – stating it to be an evening of connection, reflection, and celebration of five decades of innovation with pizza, prosecco, cake and a lot of italian flair.

Martin Introduces ELP MANET 8f LED Stage and Studio Fresnel Fixture

HARMAN Professional Solutions has introduced its **Martin Professional** ELP MANET 8f LED Stage and Studio Fresnel that sports an innovative design blending classic tungsten warmth with high-efficiency six-color LED performance. The result is brilliant light, precise color rendering, and soft-edge projection for versatile stage and studio use.

ELP MANET 8f debuts Martin's next-generation light engine, featuring six LEDs—red, green, blue, amber, lime, and cyan—to generate a broad, refined color palette. Boasting near perfect scores of TM-30 Rf of 95 and a CRI of 98, the fixture delivers true-to-life color throughout the blackbody curve. Its fully linear color-temperature control, spanning 1,850 K to 12,500 K in 50 K increments, promises consistent, flawless reproduction without sacrificing output or quality.

A carefully engineered 8-inch (200 mm) Fresnel lens delivers signature soft-edge fades that are free of artifacts, while the 9°–50° zoom system offers precise lumen control. Standard anti-reflective barn doors enable exact beam shaping and eliminate glare for ultra-smooth,

even coverage. Despite delivering over 13,000 lumens of output, the ELP MANET 8f's sub-30 dB noise rating makes it ideal even for the quietest theaters, operas, and broadcast studios.

ELP MANET 8f's integrated manual zoom and optional pole-operated yoke set a new benchmark for rapid, effortless fixture re-rigging. A single-encoder interface plus onboard NFC ensures fast, intuitive control, while the Martin Companion Mobile App delivers wireless diagnostics and configuration with ease.

"From our first sketch to the final design, this fixture is a true blend of theatrical lighting heritage with the latest lighting innovations," said **Mark Buss, Product Manager, Entertainment Lighting, HARMAN Professional Solutions**. "We were also proud to design it with valued input from our global LD community to ensure a natural extension of their creativity. Whether you're designing a subtle wash for an intimate monologue or unleashing bold, dynamic looks for a broadcast set, the new ELP MANET 8f lets you focus on crafting your story with light—nothing more, nothing less."

Obsidian Expands NETRON Integration Series of Data Distribution Devices

Obsidian Control Systems has expanded its NETRON data distribution line for system integrators and fixed installs, complementing the EP1 and EP2 wall-mounted EtherDMX gateways. Designed for reliability and performance, like all NETRON products, they excel at managing complex networked lighting systems.

NETRON's Integration Series encompasses professional-quality DMX and Ethernet control solutions — purpose-built for permanent AV environments. From EtherDMX nodes and data splitters to managed network switches and wall stations, every device works natively with ONYX and all other major lighting control systems, offering a complete ecosystem for signal distribution, networking, and control. Intelligently adaptable, multiple mounting and connector options are included to solve any situation.

The EN6D is a powerful DIN Rail or wall-mount Ethernet-to-DMX gateway with six RDM-compatible wire terminals or RJ45 outputs. Easy to configure with a range of integrated presets plus a wide array of advanced merge and routing features, it is the ideal device for permanent installations requiring a compact design and flexible wiring options. RJ45, screw-terminal or IDC connectivity can be placed on the top, bottom or front of the device, depending on the installer's preference or space considerations.

The RDM6D is a powerful DIN Rail or wall-mount DMX/RDM splitter with six wire terminals or RJ45 outputs. Designed with rugged, opto-isolated outputs, it is the ideal device for permanent installations requiring a compact design and flexible wiring options. RJ45, screw-terminal or IDC connectivity can be configured on the top, bottom or front of the device, depending on the installer's preference or space considerations.

The DA2410V is a compact DIN Rail or wall-mount Ethernet or DMX gateway with 24x 0-10V analog outputs. Easy to configure from its OLED display, it supports DMX, Art-Net or sACN as the source.

Screw-terminal or IDC connectivity can be set up on the top, bottom or front of the device, depending on installer preference or space considerations.

The BS10 is an elegant wall station for cue or preset recall stored in the EN12i EtherDMX node. Ten backlit and numbered buttons provide easy feedback, and the RJ45 connection combines power and data for efficient and straightforward connectivity to the NETRON node over standard CAT5 wiring. Up to 10 button stations can be integrated into a system by using the BS10 Split, allowing stations to be placed in multiple locations and at greater distances.

NETRON devices ship with preset IPs and popular ArtNet/sACN settings, easily managed via display, browser, or CLU. The NS8 PoE switch seamlessly supports NETRON's PoE-powered EtherDMX nodes, cutting cabling and power supply needs while keeping networks organized with six color-coded VLANs.

EtherDMX nodes can store up to 99 cues, making them reliable as backup or emergency systems. The EN12i and DIN Rail options include multiple connector types in one package, eliminating the risk of ordering the wrong version and making it easy to adapt in the field without delays. Accessories like Decora wall mounts and rack-mount brush and blank plates ensure clean, organized installations.

TAZAAR unveils new standard for power system asset tracking with GeoTag DIN Rail

TAZAAR looks to revolutionise the world of asset tracking with the launch of its innovative GeoTag DIN Rail. Making its global debut as a central part of the PLASA Show's Innovation Gallery, the new solution provides visibility to asset management professionals who need to know exactly where every power unit is at any time. The new solution sees TAZAAR's rugged GPS tracker reimagined to bolt directly onto generators, power units, and heavy industrial equipment, making it the perfect solution for protecting expensive power equipment.

With GeoTag DIN Rail, TAZAAR affirms it is solving the problem of how to effectively protect expensive equipment in open areas without a permanent security presence. GPS support ensures that users will always know that their power supplies are in the right place, preventing potentially disastrous situations and lowering the risk of equipment theft.

The pioneering GeoTag DIN Rail is an industry first GPS-enabled tracking device engineered for power distribution and energy systems such as those used in touring, rental and live event environments. It has been created to deliver real-time location, motion alerts and asset-level insights.

GeoTag DIN Rail combines industrial durability with digital intelligence. It supports near real-time GPS location tracking, even in remote locations, without relying on proximity to smartphones or consumer networks. This can be managed and remotely configured to update tracking intervals or geofencing remotely via the GeoTag platform. The DIN rail-mountable solution tracks location via satellites, cell towers, or Wi-Fi proximity. It also features a global SIM that automatically connects to networks in over 170 countries. Designed for secure and discreet bolt-on installation, it is

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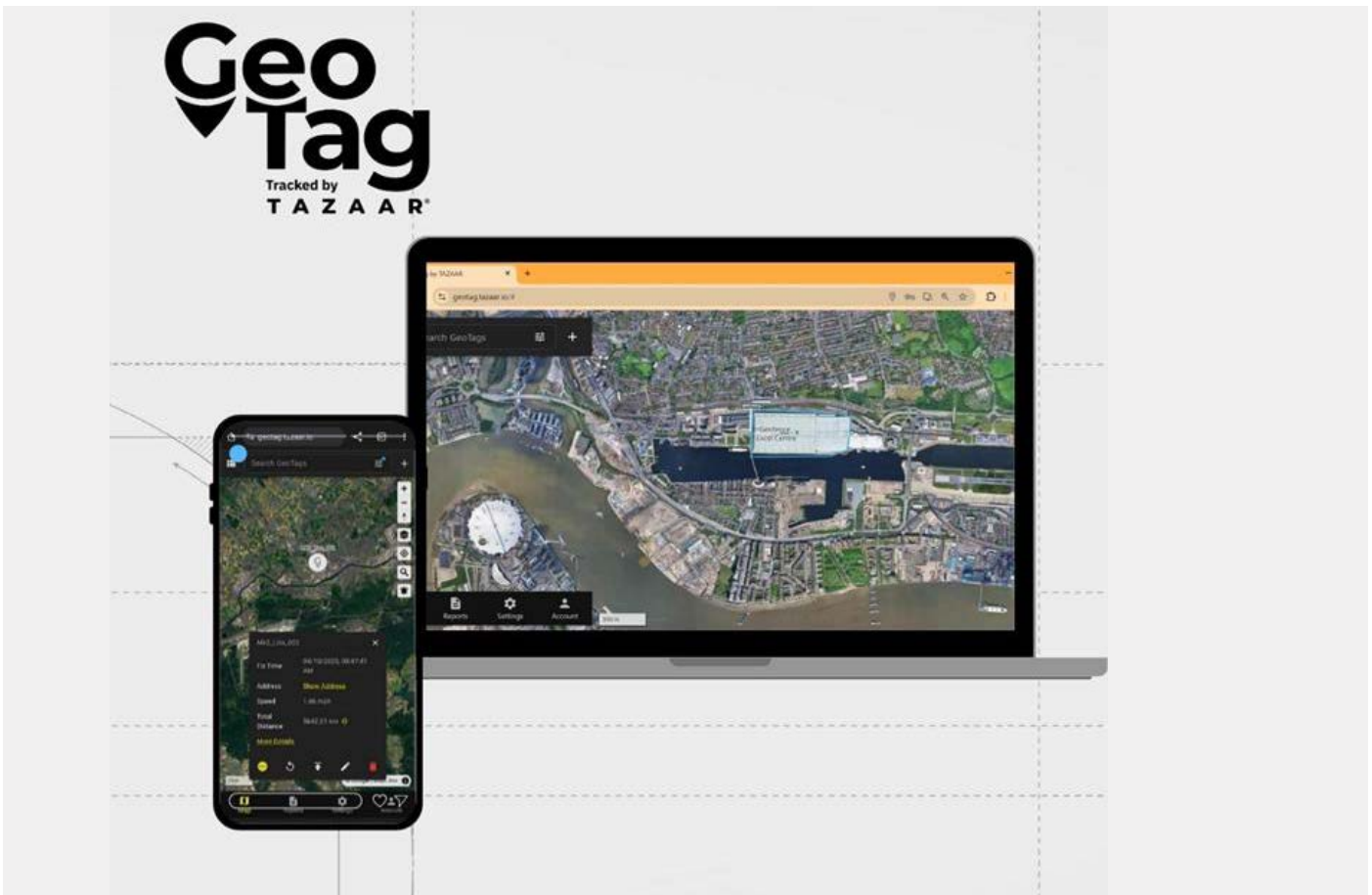
weather-resistant, tamper-resistant and shock-tolerant.

GeoTag DIN Rail's battery is charged via the host product and will use its own battery when on standby. This gives it a standard runtime of 10 days with tracking at 10-minute intervals. Modular DIN Rail Battery add-ons can be purchased, providing full customisation of backup battery life and the ability to quickly extend or reduce battery life based on job requirements.

GeoTag DIN Rail also offers a variety of smart features to benefit asset management. The live dashboard will allow users to visualise the location, movement history and asset groupings. The movement alerts feature will allow users to receive alerts for unauthorised movement while the virtual security fences set location boundaries and trigger security alerts if crossed.

Manufactured exclusively in the UK, GeoTag DIN Rail is fully integrated with TAZAAR's AssetID platform, meaning it offers product lifecycle visibility and enhanced traceability via a unique Digital Product Passport. This integrates asset history, ownership changes, maintenance records and environmental data, helping companies meet compliance standards and sustainability goals.

"GeoTag DIN Rail is more than a tracker, it's a compliance-ready, visibility-enhancing, loss-preventing tool for professional teams who can't afford to lose track of their power infrastructure," explains TAZAAR Co-Founder and CEO, Lisa Stafford. "Whether it's backstage, in transit, or on a remote site, GeoTag DIN Rail keeps the crew informed and in control."

Learning New Words Every Day
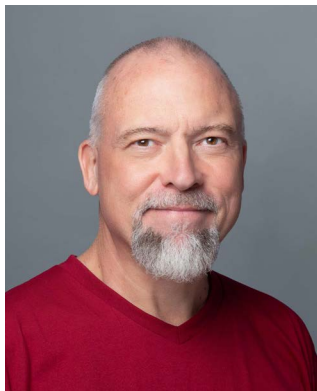
I had promised you something more technical again this month, so here we are. Let me start with a somewhat amusing anecdote again. When operating chain motors to lift heavy equipment for touring shows, it is essential to communicate clearly with both the rigger in charge and the motor operator. If this communication is unclear, then things can go wrong very badly, very quickly. As you know, I am a native German, and at the time I started in this industry, not many Germans were known to be proficient in using English in our work environment. This has luckily changed a lot by now, but I digress.

When I had the opportunity to work with international touring shows in Germany, I observed some interesting language challenges. Luckily, at the time, nothing went wrong, but it highlights the challenge that lies ahead. When you operate a motor, the commands are *UP and DOWN* in English. In the German language, this is *AUF and AB*. Now go back and reread this, and you will see the trouble. UP and AB do sound the same, but they mean opposite commands in two different languages. As I said above, fortunately, nothing bad happened, and no fingers were lost, but it surely taught me a valuable lesson to be more cautious in the future.

This, of course, means that we need to agree on the language we use and also agree on the meaning of specific terms in our day-to-day communications. I encounter challenges on this almost every day, and I am careful about how and what I communicate, while also trying to ensure that my partner at work understands what I mean to say. I have also observed that many of my colleagues use specific terms and language without fully understanding their meanings. Since there is no agreed-upon standard for this, we will need to continue learning and working on understanding each other. On the bright side, this means we'll still have the opportunity to talk a lot in the future, which should serve all of our "gossip genes" very well.

I apologise for the lengthy introduction this time around. That was the entertainment portion! You may recall that three months ago, I wrote about the scalability of large-scale sound reinforcement systems. As part of this discussion, I did mention that most manufacturers of large-scale line array systems now have different processor presets for different numbers of boxes in each array hang. I also attempted to explain why this was the case and shared the observations that led to this approach. In essence, the number of boxes in an array changes the overall array behaviour, and the best and simplest way is to adjust the preset depending on the number of boxes per array to create a much better and easier out-of-the-box experience for both the user and system engineers. Of course, you could also do all this when measuring and then set the crossovers and parametric equalisers manually accordingly. However, remember that timing is critical, so if I can eliminate all array-specific questions before hanging the array, then this is a good step forward. It will save me time that I can then use for other important matters.

I recently stumbled across an article in Live Sound magazine, written by my colleague and fellow audio educator, Merlijn van Veen, whom many of you will know and follow, as he enjoys sharing his ideas. I got curious about the article because of the discussed topic: *"Focus on optimising the tonal uniformity of Line arrays".* In this article, which I strongly recommend you read, Merlijn explains something that I have been operating on for the last 25 years, but I would not have been able to articulate it so well. For those who do not wish to read the entire article, I will attempt to summarise the main points in a simplified manner for you here. First, when you array boxes in larger arrays, the number of cabinets per array and the splay within the variety are design factors for achieving uniformity, both in terms of tonal uniformity and level uniformity. However, at some point, with any given splay angle, adding more cabinets will be relatively moot, since maximum SPL levels do not correlate linearly beyond a certain number of cabinets. Dealing with the fact that you want maximum line length in the array for low-frequency coupling means you need to address the consequences of this for the mid and high frequencies. Since this "dealing with" cannot be done mechanically or acoustically, the remedy is "shading" with filters.

The main design criteria here are tonal uniformity of the array and also an even SPL spread across the audience from front to back. The practical solution is a shelving filter for Mid-High, which leaves the low and low-mid frequencies intact to enjoy the maximum line length coupling, while tapering the high-mid and high frequencies in a way that establishes the desired SPL and tonality spread. I am well aware that this is somewhat simplified, and the distinguished Systems Engineer will have all the curves and measurements to prove this from real-world experiences, which is great to see and understand the reason why. I have learned something new on the language side, "shading,"

and at the same time, I have confirmed a practical approach that I have been doing for a while already.

I don't know if all manufacturers who offer different presets for their larger size three-way line array systems are fully aware of all this, but in the practical world, this is precisely what you come up with based on the system performance, which you can measure. There is a mechanical need for a long line array height for low-frequency coupling, an array splay angle setting for coverage, and Filters to accommodate tonal uniformity requirements.

When you take a look at the presets that most manufacturers offer, you will find exactly that in their crossover and EQ curves for two cabinet arrays, four cabinet arrays and eight cabinet arrays. Practically, there is no need for twelve or sixteen or more cabinet presets, since a single shelving filter per array will resolve the changes that you will experience. Maintaining a clear preset structure might have higher value, also because the array performance is only one component in the acoustical environment in which you are deploying the array. Overall, something that initially irritated people, why does the array's sound change so drastically when more cabinets are added, become a design component, and in this world, you utilise all the tools available to you: acoustical design, mechanical design and electronic design to accomplish your goals. I will return to something even more purely technical next month, I promise.

Join the conversation and share your thoughts with Alex. Alex can be reached at
alex@asaudio.de

Sustained Impact

Unravelling the Finer Nuances of Sustainability and Its Rise as a Strategic Differentiator in APAC and ME's Competitive AV Markets

"Tonight's immersive entertainment experience is tomorrow's carbon ledger: every fixture, every panel, every speaker, and every watt is being audited."

The line may sound dramatic — but for the world of professional entertainment technologies, the red pencil is already out.

According to AVIXA's 2025 Industry Outlook and Trends Analysis (IOTA), the global Pro AV market is poised to grow from US$332 billion in 2025 to US$402 billion by 2030. A separate report by leading analysts suggests that in the APAC region, optoelectronics—led by displays, lighting, driver circuits—is projected to hit US$33.51 billion in revenue in 2025, with a CAGR of around 7.4% through 2030.

But while these stats may get you excited about the potential that lies ahead – the truth is that this growth is under pressure.

The projected 3.9 % annual increase reflects a recalibration: macroeconomic headwinds, supply chain stress, tariffs, and regulatory volatility are now integral to the risk calculus. And in that shifting environment, sustainability is no longer a sidebar—it's becoming a fulcrum.

In APAC and ME markets, the stakes seem to be higher. For example, India's regulatory landscape is evolving dramatically: new e-waste rules, sweeping judicial rulings on energy pricing, and state-level tariff reforms mean that electricity is no longer a hidden cost—it's a strategic vector. In several Indian states, commercial electricity tariffs have climbed 15-25% compared to just two years prior, particularly in industrial and

urban zones. Simultaneously, a Supreme Court ruling has compelled states to clear legacy "regulatory assets" within four years, triggering sweeping tariff rebalancing. For event and rental companies, energy isn't just an overhead — it's now a core risk factor. At the same time, the government recently introduced new e-waste policies that assign minimum recycling fees producers must pay, to formalise an e-waste sector that's been dominated by the informal market. Some major manufacturers are pushing back, citing higher compliance costs. This, however, isn't just about cost—it may reshape how goods are designed and delivered in the Indian market.

A similar environment appears to exist in the Gulf and Middle East markets as well, where governance seems to be tightening with great effect. Under Federal Decree-Law No. (11) of 2024, UAE commercial entities must measure, report, and verify greenhouse gas emissions from 30 May 2025. Import duty regimes are increasingly tied to climate credentials, pushing manufacturers to think about embodied carbon and supply chain transparency. And rising electricity tariffs across GCC states make operational energy a strategic cost line, not an afterthought. Industry sources affirm that manufacturers and rental houses operating in the Gulf and Middle East markets are now increasingly calculating the true total cost of ownership including energy, transport, maintenance, and end-of-life. And while specific public-domain figures are still patchy, it is a well-known fact that multiple tenders from GCC cities now ask for environmental impact data alongside traditional spec sheets.

Meanwhile, in China, the regulatory gauntlet is being thrown down at scale. In August 2025, China officially issued GB 26572-2025, its first mandatory national RoHS standard, replacing the earlier voluntary framework. The new standard expands control of hazardous substances (from

six to ten), tightens labelling and compliance rules, and takes effect on 1 August 2027. This move is fully aligned with China's broader push under its 14th Five-Year Plan toward green development, supply chain resilience, and industrial standard harmonisation. The country's display manufacturing sector is surging ahead while aligning with the new directives, wherein Chinese firms have been leveraging their full industrial chain advantage in micro-LED / mini-LED backlights. It is learnt that the global MLED (Mini/Micro LED) market crossed US$100 billion in 2025, with China playing a dominant role in capacity, R&D, and shipments

These developments underscore a key shift; not just in business trends, but also in the very fabric of professional AV tech. Sustainability in AV is no longer just about reducing power draw — it is also about responsible materials, circular design, supply-chain transparency, and regulatory compliance across geographies. And in this pressure cooker of regulatory shifts, rising costs, and market expectations, some AV manufacturers are already stepping ahead.
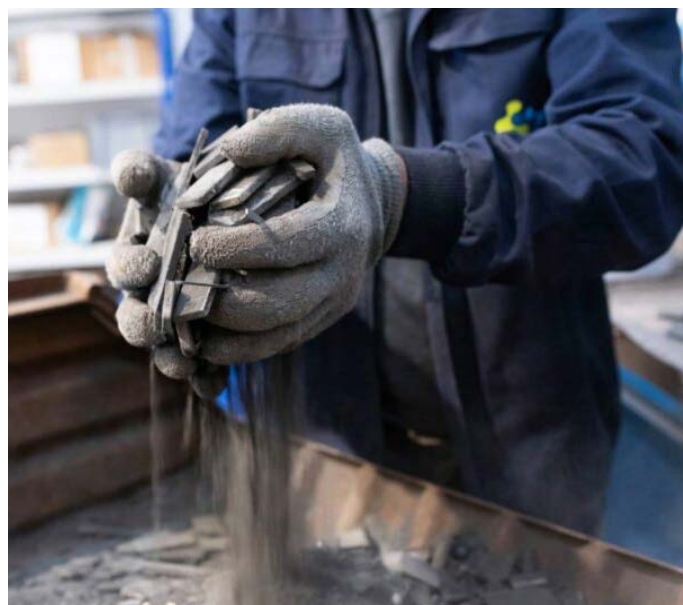
L-Acoustics' investment in MagREEsource will significantly reduce its environmental footprint while diversifying its supply sources for neodymium magnets essential to loudspeaker manufacturing.

Take **L-Acoustics** for example. In 2025 the company invested in MagREEsource, creating a closed-loop path for rare-earth magnet recovery from end-of-life loudspeakers and motors. Their recycled equivalents claim ~91 % lower CO_2 and ~86 % lower water usage than virgin production. Simultaneously, L-Acoustics launched a Certified Pre-Owned (CPO) programme (in collaboration with Gearsupply), refurbishing and reselling systems with full warranties—giving product lifecycles a second act.

That is the world these brands now inhabit: where every product must be judged not just by brightness, sound pressure or weight—but by its carbon, material, lifecycle, and regulatory exposure.

In the pages that follow, we dig into six critical dimensions in which sustainability is remaking professional live event technologies — and prepare the ground to hear from **Meyer Sound** and **Ayrton** about how they are navigating this new terrain.

Sustainability in Tech & Ops

As regulatory pressure intensifies — from tougher e-waste rules and environmental compliance to mandatory product energy ratings — brands operating across multiple jurisdictions are being compelled to embrace broader, more holistic definitions of sustainability or risk trade barriers and market exclusion.

Meyer Sound asserts that sustainability is deeply embedded into not just its product design, but also the company's ethos at large. "Our definition of sustainability is making sure that we deliver our products in a way that maximises their impact and potential, meets our users' goals, and at the same time, doesn't have to cost the earth,"

says **Andy Davies, Senior Director of Product Management at Meyer Sound**. This belief extends from the neighbourhood where the company manufactures, to the surrounding community, the country, and the wider planet.

Ayrton seems to share a similar cultural mindset anchored in sustainability, as the company believes that even small, incremental steps play a vital role in building habits, strengthening culture, and ultimately enabling larger, measurable change. "It means being aware of the impact we have on the environment and on people, and taking responsibility for it. The first step is always to measure and understand our footprint, then raise awareness both internally and externally. From there, we act wherever we can make a difference!" exclaims **Muzi Liu, ESG Analyst at Ayrton**.

When it comes to sustainability in their technological offerings, both brands appear to share a similar sentiment, as they cite product durability and energy efficiency as key benchmarks, in addition to other important parameters.

Muzi explains that since the company's founding in 2001, Ayrton has only ever developed products with LED sources; recognising early on that solid-state light sources were the future, "long before the wider industry made the shift." According to her, that commitment extends to how the company engineers its luminaires – optimising thermal management for better heat dissipation and maximising luminous efficacy to

achieve higher output per watt consumed. Also, through modular design, advanced technology, and training-led support, Ayrton aims to keep its fixtures working in the field for as long as possible.


Meyer Sound has been certified as a Green Business by the California Green Business Network since 2016.

Similarly, Meyer Sound's approach is centred on products that are designed to last, that can be serviced quickly and efficiently, and that are never treated as disposable. "We make sure they can be serviced for a very long time. That creates a sustainability all of its own," Davies notes. The company's long-standing commitment has been recognised formally — Meyer Sound has been certified as a Green Business by the California Green Business Network since 2016.

Trade-Offs & Challenges

True sustainability is rarely a straight line. It demands a constant balancing act between performance, cost, and scalability. Using eco-friendly materials, for instance, can raise production costs or limit availability. Stricter compliance requirements — whether ROHS, REACH, or WEEE — add layers of cost and administrative complexity. Meanwhile, adopting energy-saving technologies often calls for new production lines, higher R&D investment, and increased costs to the customer; with performance value occasionally compromised

under extreme deployment conditions. In regions such as APAC and the Middle East, these pressures are compounded by logistical hurdles — long shipping routes, import duties, and inconsistent regulatory frameworks — all of which make it difficult to mass-produce or distribute greener technologies cost-effectively.
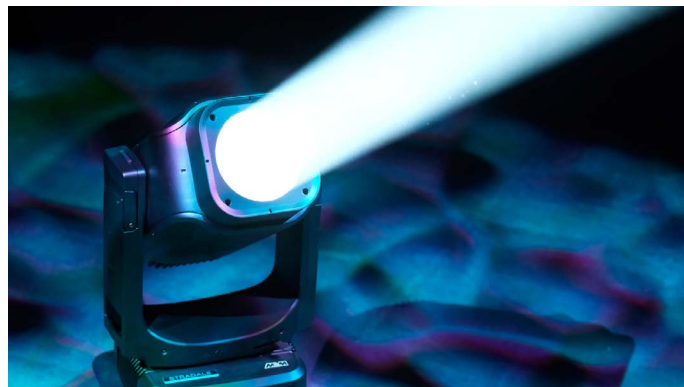
Ayrton affirms the key principle for them is never to compromise on product performance or reliability.

For Ayrton, the process is one of constant testing and learning. "Product sustainability innovations are not always a straight line — sometimes it's about testing, learning, and then choosing the option that balances performance, durability, and resource efficiency," says Muzi. One example came in the exploration of alternative materials: while promising at first, the trials revealed challenges with manufacturing yield and resource efficiency, ultimately leading the company back to its original choice. The principle, she stresses, is clear: "For us, the key principle is never to compromise on product performance or reliability. And that requires embedding sustainability considerations earlier into the product development stage."

Supply chain engagement is another front where challenges persist. Ayrton acknowledges the difficulty of gathering reliable data and influencing upstream practices, particularly across varied regulatory landscapes where sustainability is given uneven priority. The

solution, Muzi explains, lies in dialogue: "We are addressing this by having more direct conversations, setting clear expectations, and sharing knowledge so suppliers can be proactive partners in our sustainability initiatives. This way, we are building alignment step by step, and helping the whole supply chain move toward a more sustainable direction."

Meyer Sound's ULTRA-X40 breaks new ground in power-to-size performance, thanks to its ultra-efficient 3-channel Class D amplifier.

Over at Meyer Sound, the challenge has played out in the development of its self-powered loudspeakers — complex integrated systems that demand careful optimisation of every component. "A huge benefit of developing self-powered systems is that they naturally are smaller, and much more efficient for the same power output. That means we're using fewer resources. Physically, the cabinets are smaller," notes Andy.

He reveals that the trade-off historically, has been weight, while noting the fact that over the last fifteen years, Meyer Sound has invested heavily in Class D digital amplifiers which has helped them achieve significant progress in reducing product weight. "In the past five years in particular, we've made massive strides in reducing the weight of our products, which significantly reduces their carbon footprint in transport. At the same time, we're still maximising the efficiency of self-powered systems. They're smaller than competitors' products, they take up less truck space, and now they're lighter — all of which is significantly improving their carbon footprint."

Together, these examples reveal that sustainable innovation in live event technologies is less about single big breakthroughs than it is about iterative progress, hard choices, and embedding sustainability into design and supply chain decisions at every step.

Discrete Dimensions of Sustainability

Beyond what goes into the box and how much power it consumes; the 'sustainability factor' in pro AV technologies is increasingly being judged by what happens both upstream and downstream — from material sourcing and supply chain transparency to packaging, logistics, after-sales support, and end-of-life management. Brands are now weighing in on not just the efficiency of their technologies, but also the provenance of their materials (Sourcing certified or responsibly harvested woods or metals), the repairability of their products (Using modular component design for easy repair and upgrading thereby extending product lifetime), the weight of their shipments (: lighter products, optimized packing, regional assembly to reduce transport emissions), and the systems in place to recycle, refurbish, or responsibly dispose of equipment.

For Ayrton, this means tackling what Muzi calls the "hidden sustainability factors" that shape the full lifecycle of a product. One major focus is

materials and embodied carbon. "We are working to improve transparency and data collection across our upstream supply chain. We measure the impact of product material sourcing and manufacturing by analysing product embodied carbon, and this data is available to customers for all products launched from 2024 onwards," she explains. Packaging has been another area of action: Ayrton's cardboard is made from recycled pulp and is fully recyclable, while its PU inserts are designed for durability and can be recycled through specialised facilities. The company is also preparing detailed disposal and recycling guidance to help customers manage this process responsibly. And in similar stride, 'end-of-life responsibility' is taken just as seriously. Ayrton is developing customer guidance on e-waste recycling, packaging disposal, and WEEE compliance, and remains an active member of a French WEEE compliance organisation. "This ensures proper collection and treatment of e-waste in our key markets, and we are keen to help our distributors in other regions move toward similar compliance," Muzi adds.

At Meyer Sound as well, the focus is on controlling the entire product lifecycle. "We are always challenging our supply chain from the point of view of cost, quality and sustainability. Are we getting the right things from the right places to deliver what our end users are asking for? Our end users are asking for performance, and they are asking for green credentials," informs Andy. The company believes that end-of-life responsibility is crucial, but just as important is delaying that end of life for as long as possible. "A key part of our sustainability effort is in the ability to repair. We exercise a lot of control over our own supply chain. We also build our own drivers here, which means we can control how long they are in production and how long we can keep sustaining products. That makes a big difference to our sustainability over time," he explains.

Packaging has been a key area of action for Ayrton when it comes to Sustainability.

These efforts highlight a broader truth: the most meaningful advances in sustainability often happen in the less visible spaces — in the sourcing decisions, in the durability of a fixture, in the logistics of transport, and in the commitment to keep technologies alive for a second decade rather than sending it prematurely to landfill.

Business Impact

Adopting sustainable practices delivers tangible business advantages, with brand differentiation often standing out as one of the most powerful outcomes — a value that companies across the globe continue to pursue with intensity. Muzi affirms this, noting, "Sustainability has started

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to strengthen our brand reputation, especially in Europe where awareness and dialogue around these topics are more mature. In the entertainment industry, peers increasingly recognize the progress we have made, which reinforces our positioning as a proactive actor. In APAC and ME, recognition is still emerging, partly because we have not yet promoted our efforts as strongly, but these markets represent significant opportunities, and we see the potential to build differentiation there over time."

Beyond reputation, the advantages of embedding sustainability in business operations extend further: eligibility for certain tenders, operational cost savings through energy efficiency, stronger regulatory compliance, and, in some cases, improved supply chain resilience. For example, initiatives such as component recycling not only support ecological goals but also help insulate brands from future material shortages or volatile price spikes.

Andy reveals that at Meyer Sound, such measures are not recent adjustments but a long-standing practice – pointing to the fact that the company has been recycling materials since it was founded. He details, "It's a natural part of the Meyer Sound philosophy to ensure that the least possible amount of material goes to waste, and that the maximum goes to recycling. This philosophy flows through our offices, which ultimately flows through our way of working to the point where it's second nature at Meyer Sound. While sustainability initiatives have gained wider visibility across the industry, we've already had these sustainability measures in place. We even build our loudspeakers in a renovated building because part of the ethos of the company has been to stay in its home area and be involved

Meyer Sound builds their loudspeakers in a renovated building because part of the ethos of the company has been to stay in its home area and be involved in the preservation and restoration of local buildings.

in the preservation and restoration of local buildings. So, in essence, we haven't had to pivot. It's so ingrained in our culture that we don't think about promoting the amount of metal recycling, cardboard recycling, and wood recycling that happens here; because it's been happening for decades and it's part of our workflow. We don't have the metrics to show people how we've changed because we've always been doing this from day one."

Still, challenges persist – many of which have been highlighted earlier. And added to the list are two more key points: difficulties in measuring some metrics reliably, and the occasional internal resistance (for example from parts of business profit-centres focused short term).

Muzi delves into this complexity, stating "Being proactive means fewer benchmarks exist. The industry practices are fragmented, with diverse approaches to measuring sustainability and product impact. This makes peer-to-peer comparisons sometimes difficult. Early publication of metrics can be tricky, as differing methods might make later figures appear stronger. However, this does not stop us from moving forward. And we believe this will gradually improve as the industry moves towards

more uniformed standards and recognized benchmarks. In the meantime, we remain committed to transparency and proactive action."

At the same time, she explains that Ayrton sees dialogue with customers as the critical next step. "One of the most valuable things for us would be direct feedback from customers: understanding what information they really need and what criteria guide their decisions" she quips, affirming the thought that by deepening this exchange, Ayrton hopes to ensure its sustainability initiatives remain aligned with evolving market expectations and continue to generate lasting business value.

Market Pressure

In APAC and the Middle East, the question of sustainability is beginning to move from boardroom rhetoric to the frontlines of purchasing decisions — but the balance is far from straightforward. On one hand, governments are tightening environmental regulations, electricity tariffs are rising, and global supply chains are being reshaped by carbon accountability. These factors are forcing even cost-sensitive buyers to at least ask about energy ratings, lifecycle management, and compliance certifications. International brands operating in the region report that tenders increasingly include sustainability clauses, particularly in high-profile projects tied to national agendas or smart-city initiatives. In these scenarios, demonstrable sustainability credentials can mean the difference between winning and losing a bid.

Yet in the day-to-day reality of the rental, staging, and events business, performance and cost still rule. Clients want spectacular sound, dazzling visuals, and reliable delivery at a price point that makes commercial sense.

Andy sees this as part of a broader shift, as he explains, "We're seeing an important turning point. And it's not just in APAC and the Middle East. It's across the industry as a whole. If you'd asked me that question five years ago, I'd have said the majority of requirements for green credentials that we were seeing came from government-led or government-funded projects. It still leans heavily toward projects that require government investment to get off the ground; those definitely require some kind of green credentials wherever you are in the world. But increasingly, we're seeing those demands coming from the private side as well. We're in a nice position as a company where it's not actually requiring us to change anything because this has been in our way of doing things for decades."

From Ayrton's perspective, sustainability in APAC and ME remains an emerging priority rather than a decisive one. "In APAC and ME, we have not yet seen a strong demand from customers for detailed sustainability disclosures or measurable product sustainability metrics. Budget and performance remain the top priorities," acknowledges Muzi.

Still, the company views this as fertile ground for growth, as Muzi notes that the company has observed increasing attention to sustainability across the industry; with APAC and ME growing as key markets for Ayrton. "Particularly ME, which is now one of our largest. Our approach is to stay ahead. By making sustainability information readily available and proactively communicating its value, we are preparing for a future where these factors will influence purchasing decisions" she informs.

Steadfast in the belief that long-term business benefits lie in trust and readiness, Muzi indicates that while measurable business benefits such as customer loyalty or revenue impact are still long-term targets, this readiness positions Ayrton to gain competitive advantage and strengthen trust with key clients as expectations evolve. "At

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the same time, we remain open and welcoming to customer requests and suggestions. For us, sustainability is not just about meeting current expectations, but about leading the way and helping the market move forward step by step" she adds.

Steering Expectations

The next horizon for sustainability in APAC and the Middle East appears to be increasingly defined by circularity. Modular, energy-efficient, repairable, and upgradable designs are expected to replace disposable models, supported by firmware updates and potential new business models such as leasing or subscriptions. At the same time, circular economy practices — from reclaiming end-of-life displays and recycling rare materials to refurbishing hire equipment for resale — are moving from fringe initiatives to mainstream strategies.

For Ayrton, this shift means embedding circularity into every stage of product development. "Looking ahead, sustainability will increasingly guide every stage of the product lifecycle. Circular economy principles will be embedded from the start, influencing design, manufacturing, distribution, use, and end-of-life management," says Muzi. This integrated approach, she explains, ensures products remain reliable, durable, and aligned with evolving expectations. Supply chains will also play a pivotal role, as she informs "We expect a more integrated ecosystem, where suppliers actively demonstrate their sustainability commitment, provide reliable data, and help implement positive changes. At the same time, as part of our customers' supply chains, we contribute to their sustainability efforts. Transparency, collaboration, and integration will be essential."

From a market perspective, Muzi sees APAC and ME steadily evolving, citing the belief that

regulatory and market attention to sustainability will continue to grow. And the brand seems ready for this update, with Muzi revealing, "We are preparing by making disclosures and product sustainability information readily available, proactively communicating its value, and engaging directly with customers to align with their evolving priorities. We see this proactive approach not only as responsible, but as a source of competitive advantage in the years ahead."

On the other hand, Andy believes this evolution will reshape the very way AV systems are designed and deployed, as he asserts, ""I absolutely think we're going to see more and more projects looking as to how to meet sustainability challenges. It's also about asking sensible questions about a product's life after an install is finished, or when a building is no longer needed — is there a resale market for this? I think more and more large-scale projects are going to be looking at what happens to their AV infrastructure in 10, 15, 20 years' time and moving away from bespoke or custom solutions that would otherwise go to landfill, and look for companies with users around the world and the ability to sustain and service products that can have a secondary life in the future."

At the same time, Andy shares his confidence in the fact that the cultural shift is equally important, citing how industry bodies like SAVe (Sustainability in AV) are encouraging manufacturers, specifiers and end users to come together to discuss how the industry at large can effectively address sustainability. "Articles like this also play a vital role by raising awareness and sparking debate—not just about the challenges we face as an industry, but also about where we're making real progress and moving in the right direction" he concludes.

INDONESIA

# Heart & Soul Marks Milestone for FullSize System and L-Acoustics

FullSize System's Flagship L-Series System Coalesces an Exceptional Sonic Experience for All-4-One and Brian McKnight in Challenging 360° Arena Deployment

FullSize System part of **Thunder Productions** became Indonesia's first official L Series rental partner following its October 2024 acquisition of **L-Acoustics** L2 and L2D arrays – a move that marked a significant step up from its corporate seminar work into the premium live concert market. The system's capabilities, however, were put to the test at the sold-out "Heart & Soul Live in Jakarta 2025" concert at the 5,000-capacity Tennis Indoor Senayan Arena, where the arrays delivered sound for All-4-One, Brian McKnight and Indonesian artist Raisa in a challenging 360° arena configuration.

The shift into high-level concert production followed a strategic decision by FullSize System
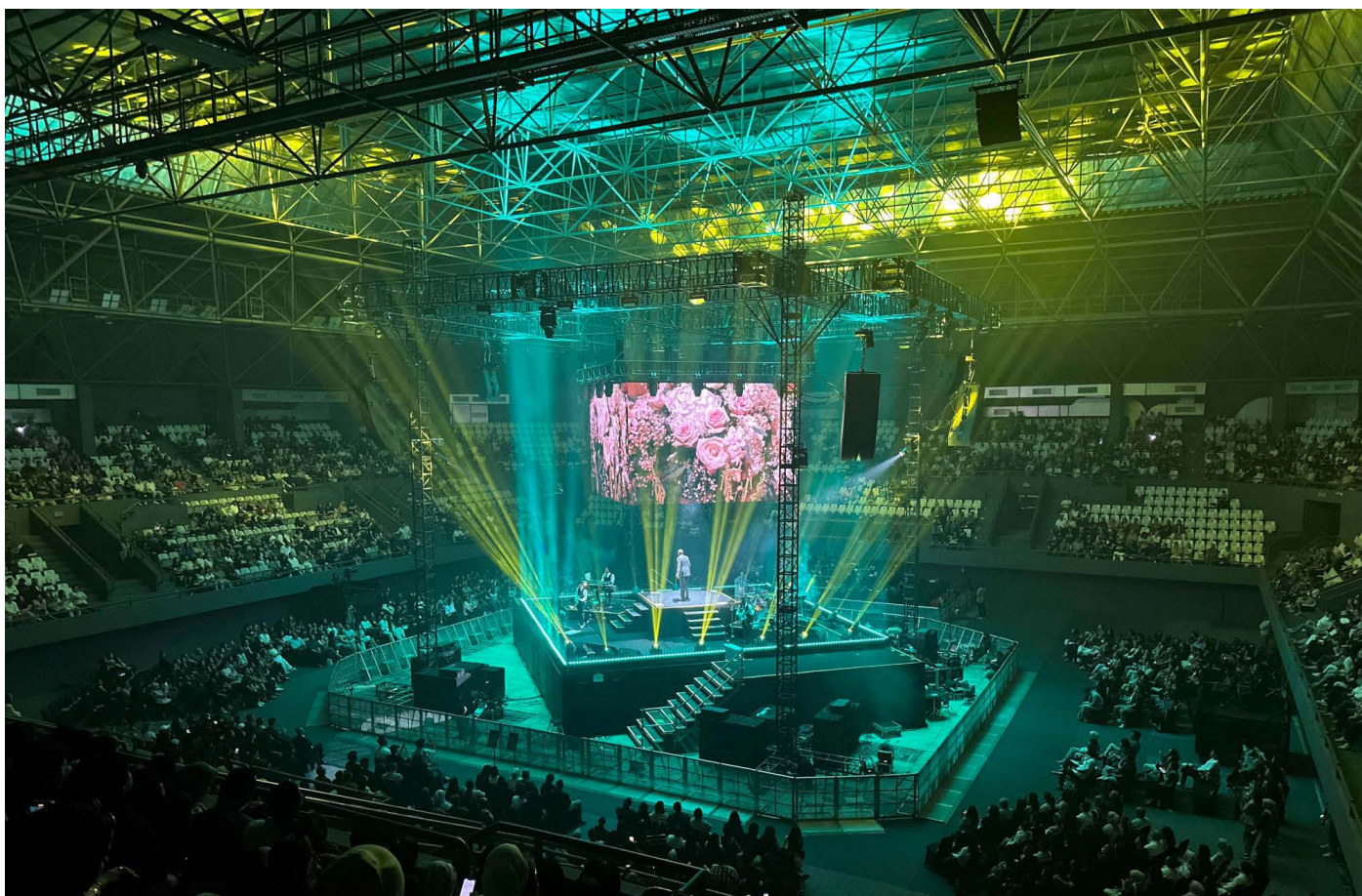
to invest in flagship technology that could access Indonesia's expanding live market. "We knew the award-winning coverage, frequency response, and sonic integrity of L Series would deliver that distinct concert sound quality that separates professional productions from everything else," comments **Yumir Mujaldi, Director of FullSize System**. "The L2 and L2D represent the top-tier concert sound solutions available in the market. With this system, we could expand our company's profile to take on the larger events that were previously beyond our reach."

The acquisition was supported by comprehensive technical training from L-Acoustics, equipping the FullSize System team with essential design, deployment and operational skills. L-Acoustics certified provider **Gracia Auvindo** also provided support during the Jakarta event, with Rama Nazar N. and his team collaborating on system design, on-site implementation and tuning.

With the stage positioned centrally, the 360° seating layout presented significant acoustic and logistical challenges. FullSize System relied on Soundvision 3D modelling to determine rigging positions and to secure promoter approval through predictive acoustic simulations. "With the concert's 360° seating layout, FOH positioning constraints, and client requirements for optimal SPL with even coverage, the L Series streamlined design philosophy and Soundvision's simulation capabilities proved crucial to meeting all requirements even before we deployed the system," says Yumir.

The final configuration comprised four L2 and six L2D units for the main PA, 24 units of the KS28 subwoofers for low-end reinforcement, and 8 units of the Kara II boxes for front-fill. The system ran via Milan-AVB with analogue backup, interfaced through AES-EBU to a P1 processor with full redundancy. Throughout the concert

performances, the L2 and L2D arrays delivered the exceptional consistency and pristine signature sound quality that defines L-Acoustics flagship technology. The Soundvision system design and L2 deployment simplicity enabled FullSize System to adhere to tight timelines following staging and rigging phases, with efficient on-site tuning and calibration.

According to Yumir, the deployment delivered consistent results: "For the show, the concert mix engineer experienced no problems mixing the entire live backing band, despite the challenging venue layout and FOH position. We received outstanding feedback from the guest stars during soundcheck, and the promoter was completely satisfied with the results."

Yumir also highlighted the support provided by L-Acoustics: "Beyond the pre-event planning tools that allowed us to propose the system with complete confidence, the L-Acoustics team provided swift technical support when we encountered a connectivity issue with the P1 during tuning, helping us resolve the problem immediately."

The event has positioned FullSize System as a key player in Indonesia's premium live sound market. "We have stepped up to the next level and proved we can deliver larger concerts, music festivals, and major corporate industry events," concludes Yumir. "This is just the beginning—we see much more to come."

The Jakarta deployment not only marked a milestone for FullSize System but also highlighted the increasing demand for world-class sound reinforcement solutions in Southeast Asia.

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AUSTRALIA

Beyond Fun & Games

TDC Powers Australia's Game Show Boom with Flawless Technical Design & Execution

The Hundred with Andy Lee, one of Australia's most technically ambitious shows, had a format that demanded 100 live Zoom feeds integrated directly into the broadcast.

As demand for game shows and reality content continues to surge across Australia, **TDC – Technical Direction Company** is emerging as the invisible powerhouse behind the country's most-watched television formats. From technical planning to live broadcast delivery, from pilot builds to LED integration, TDC is shaping the visual polish and technical backbone of productions that define the nation's screens.

With more than two decades of experience as a strategic creative partner, TDC has supported format heavyweights including Deal or No Deal, Family Feud, The Voice, Weakest Link, The 1% Club, All Together Now and Australian Idol. Their ability to adapt global IP into content that feels distinctly Australian—while delivering flawless technical execution—has become a signature strength.

That expertise was put to the test on The Hundred with Andy Lee, one of the most technically ambitious shows in Australia. The format demanded 100 live Zoom feeds integrated directly into the broadcast. While others dismissed the idea as too fragile, TDC designed and delivered a robust solution that has powered the show seamlessly over seven seasons.

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what is Australia really thinking?

THE HUNDRED
WITH ANDY LEE

TDC's LiveVIEW custom game engine, automated studio environments, real-time graphics pipelines, and precision control systems have established them as the go-to partner for several networks.

"A dynamic, data-driven studio interface was crucial to making the show feel natural and fluid on air," says **Drew Ferors, Head of Innovation and Training at TDC**. "Our team designed and delivered the full technical hardware and gaming system, covering everything from LED screen control to video processing and content playback. We built the game engine from the ground up, collaborating closely with the producers and Andy Lee to create a reliable solution. By automating the lighting, audio, and video cues, we gave producers seamless control. With The Hundred, we didn't just take on a challenge—we set out to prove it could be done, and done exceptionally well."

TDC's LiveVIEW custom game engine, automated studio environments, real-time graphics pipelines, and precision control systems have established them as the go-to partner for networks including Nine, Seven, Ten, SBS, ABC, and streaming platforms like Netflix and Stan. Their innovation extends to studio link automation, dramatically reducing rehearsal and setup times—an advantage that Ferors calls "a gamechanger when budgets are tight."

The company's impact hasn't gone unnoticed. **Ian Anderson, Technical Producer**, notes: "TDC has supplied the screen technology for us on more broadcast events than I can remember. To deliver hundreds of flawless hours of recorded, and most importantly, live television requires the best equipment, technicians and support teams. This is what TDC has supplied for many years. From large complex screens and control systems to a simple monitor in a wall TDC has always delivered."

Blending global standards with unmistakable local nuance is now central to TDC's mission. Ferors explains, "Australians love watching shows that reflect our own energy, humour, and true game sportsmanship. At TDC, we've built a legacy around reimagining global game show formats through a distinctly local lens, whether it's a big shiny moving floor show or a sharp-witted studio quiz. It's more than translating content, it's engineering audience connection."
With technical innovation, cultural sensitivity, and a fearless appetite for complexity, TDC is rewriting the rulebook for live broadcast entertainment in Australia—redefining how audiences experience the thrill of television in real time.

CHINA

Epic History Meets Laser Precision

Christie's HS Series 1DLP Laser Projectors Ignites Red Cliff Spectacle in China
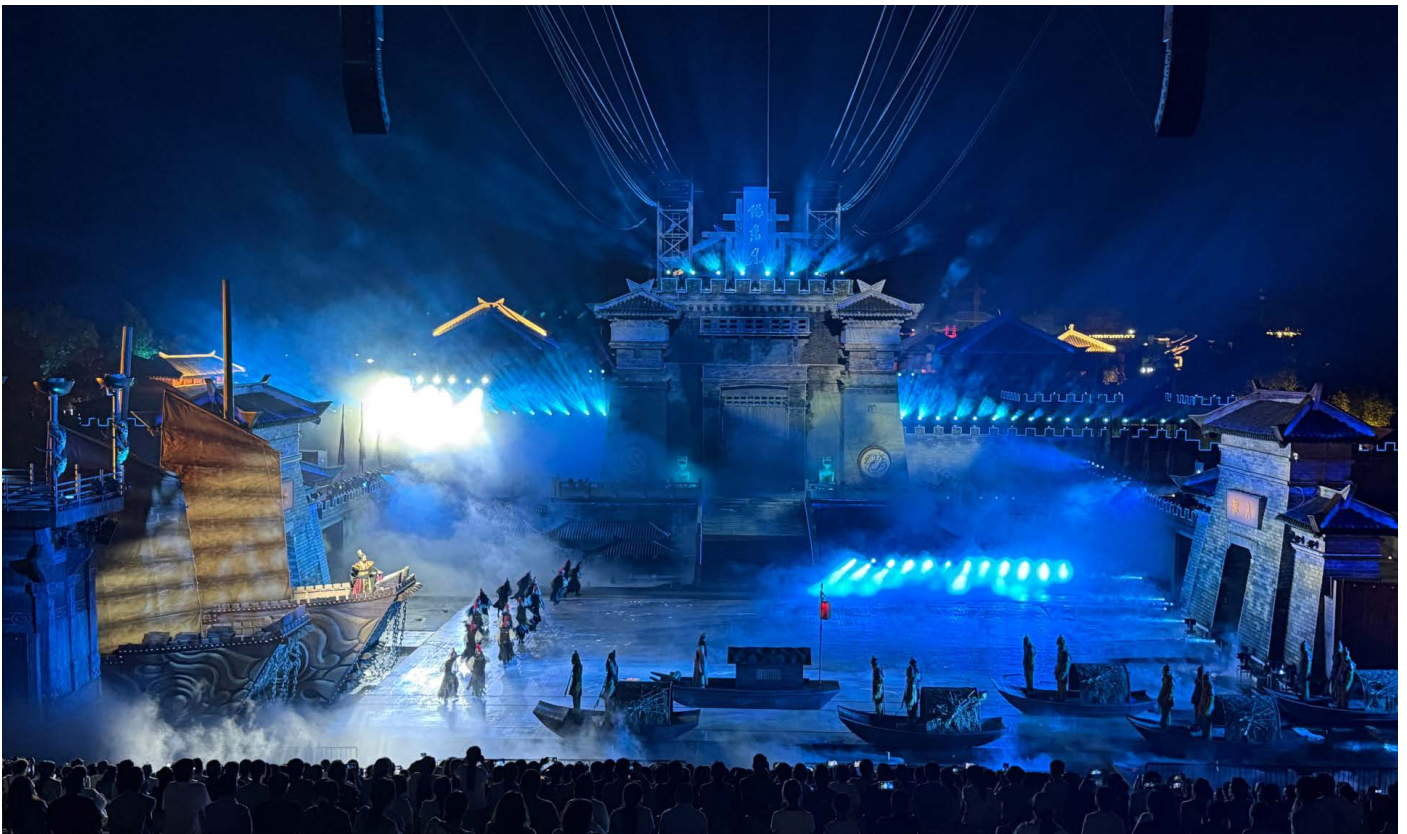

Christie DWU19-HS laser projectors deliver stunning visuals on the left citadel wall and the sails of a massive onstage warship (Images courtesy of Jianye Display)

History is blazing back to life in Chibi Town, Xianning, as **Christie's** HS Series 1DLP laser projectors power a spectacular new cultural performance at the famed Three Kingdoms Ancient Battlefield Scenic Area. The immersive production, Red Cliff: Borrowing the East Wind, blends live performance with cutting-edge visuals to retell one of the most iconic battles in Chinese history.

Produced by Hubei Dingtu Culture and Tourism and directed by celebrated multidisciplinary artist Luo Kege, the show uses seven Christie DWU19-

HS projectors that were deployed by **Jianye Display** to transform the citadel walls and the towering sails of a warship into living canvases. The result is a sweeping sensory experience that transports audiences directly into the chaos and heroism of the Battle of Red Cliff. Since its debut in April, the production has drawn throngs of visitors, fusing history, art, and technology into an unmissable cultural event.

"The high brightness, rich color reproduction, and rock-solid reliability of the Christie DWU19-HS projectors enable Red Cliff: Borrowing the East

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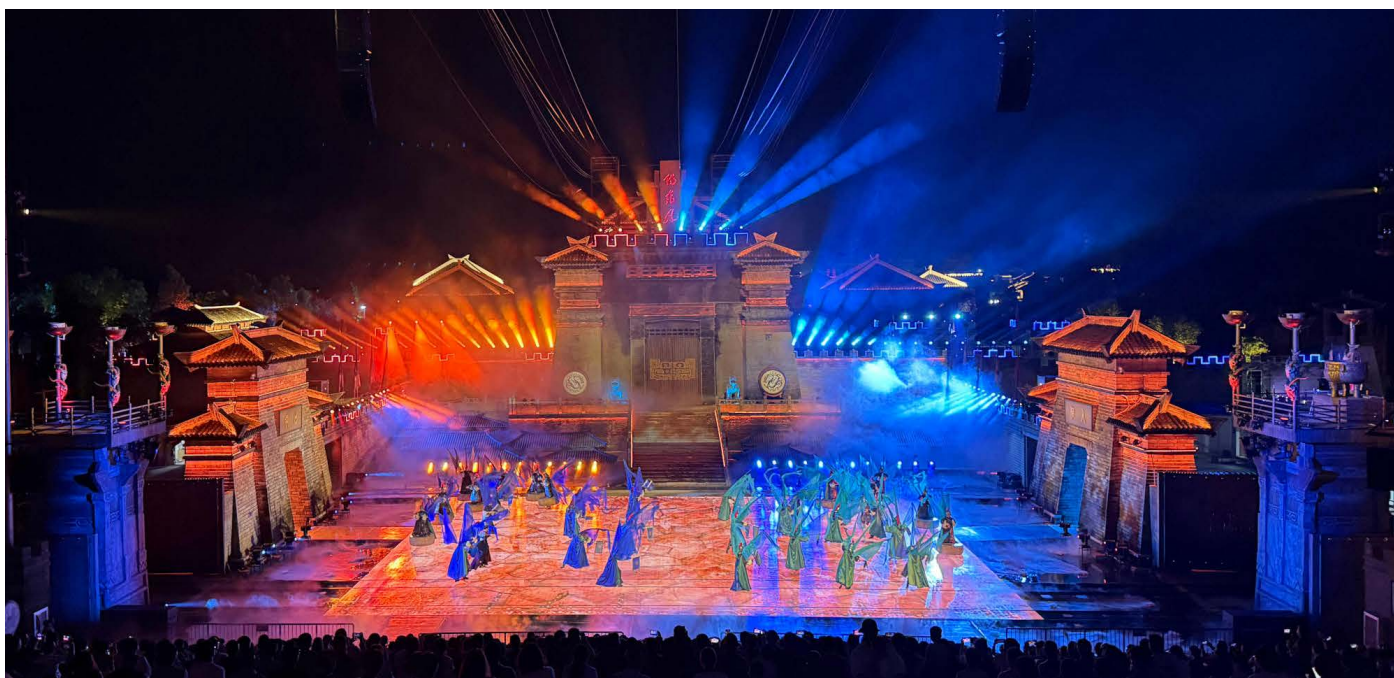
Jianye Display's team performing projection calibration on the façade of the citadel.

Wind to achieve a perfect fusion of light, shadow, and storytelling," said **a spokesperson from Jianye Display**. "Iconic scenes and characters from the Battle of Red Cliff are brought to life with extraordinary realism, heightening immersion and offering a fresh cultural tourism experience at this historic site."

The installation was achieved in just one month, a feat made possible by Jianye Display's technical precision. With several projectors mounted high above the performance area, the team employed strict safety measures and advanced 3D simulations to nail projection angles and blending. To safeguard against the challenges of dust, humidity, and unpredictable outdoor weather, the DWU19-HS projectors were rigorously tested for resilience and durability.

Punching out up to 20,050 lumens while weighing under 41.6 kg, the DWU19-HS combines brightness with portability, delivering one of the industry's strongest lumen-to-weight ratios. Christie BoldColor+ technology ensures natural, true-to-life colour with deep blacks, while WUXGA resolution sharpens every detail.

Meanwhile, Christie Twist simplifies setup across irregular surfaces, and Christie Mystique further accelerates multi-projection calibration and maintenance, keeping visuals crisp and consistent night after night.

Han Kim, Vice President of Sales, Asia-Pacific, Christie, applauded Jianye Display's achievement: "We commend Jianye Display for their expertise and dedication in delivering Red Cliff: Borrowing the East Wind. Through meticulous planning and flawless execution, they showcased the full potential of the DWU19-HS projectors, bringing history and artistry together in a compelling spectacle. This project is a shining example of how technology and creativity can work hand-in-hand to elevate cultural tourism."

With this successful collaboration, Jianye Display has confirmed plans to continue working with Christie to deliver innovative projection solutions that spotlight historical narratives and cultural heritage with unmatched visual impact.

SAUDI ARABIA

Immersion at Saudi's Forefront with CTME

Creative Technology Middle East Lights Up Aft_r Concerts at Riyadh's ANB Arena with A Brilliant Visual Spectacle

Creative Technology Middle East (CTME) delivered a spectacular fusion of world-class live event technologies that powered a true visual extravaganza for the Aft_r Concerts at Riyadh's ANB Arena.

Riyadh's ANB Arena roared to life as **Creative Technology Middle East (CTME)** delivered a spectacular fusion of world-class live event technologies that powered a true visual extravaganza for the **Aft_r Concerts** - a headline entertainment series staged alongside the E-Sports World Cup.

The concerts' global star power – featuring international heavyweights like Black Eyed Peas, Lost Frequencies, Metro Boomin, and Quavo led the charge, alongside R3HAB, Meduza, SHARRK, Bayou, Nileboi, TBD, and a wave of regional talent – kept audiences energised across the series,

with each event offering a spectacle that remains etched in the country's collective experiential memory.

And over the course of these four electrifying weeks, CTME's mastery of large-scale production turned the venue into a beacon of immersive entertainment, underlining Saudi Arabia's growing profile as a global live events hub.

At the heart of the production stood a 14 x 10 metre centre LED wall built from 280 individual units of **InfiLED** ART 4.6 panels — flanked by dual IMAG screens and vertical LED columns; with the

A 14 x 10 metre centre LED wall built from 280 InfiLED ART 4.6 panels and flanked by dual IMAG screens and vertical LED columns comprised over 221 square metres of high-resolution display real estate.

impressive visual architecture in total amassing over 221 square metres of high-resolution display real estate. And this visually enchanting and commanding digital canvas, methodically coalesced by team CTME, was powered by **Disguise** VX4+ media servers, while **Barco** E2 systems enabled precision control and seamless integration of complex visual content across multiple layers.

Lighting design was equally ambitious; with more than 500 moving fixtures from **Robe**, **Ayrton Elation** and **Luxibel** painting the stage with dynamic textures, colours, and effects. These fixtures were strategically positioned across stage trusses, towers, and house rigging systems to create a multi-layered, dynamic lighting environment that could adapt to each artist's unique performance style. And elevated by RoboSpot technology, followspot operators executed surgical precision, adapting to each artist's performance style without missing a beat.
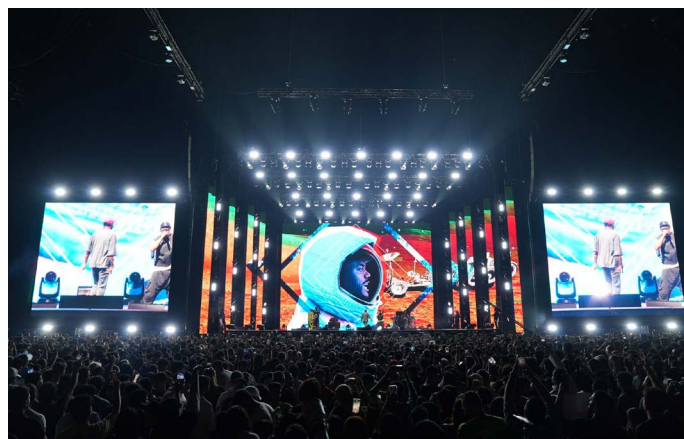

More than 500 moving fixtures from Robe, Ayrton, Elation, and Luxibel painted the stage with dynamic textures, colours, and effects.

CTME's flawless execution of the Aft_r Concerts is a testament to its capacity for innovation and reliability under pressure. By blending cutting-edge LED, advanced server technology, and intricate lighting ecosystems, CTME delivered an unforgettable entertainment spectacle — one that reaffirms its position as a trusted partner for high-profile productions in the Middle East and beyond.

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AUSTRALIA

NEXO Presents a Luxurious Soundscape at InterContinental Sanctuary Cove's Ballroom

The NEXO speakers deliver pristine performance without clashing with the venue's refined design
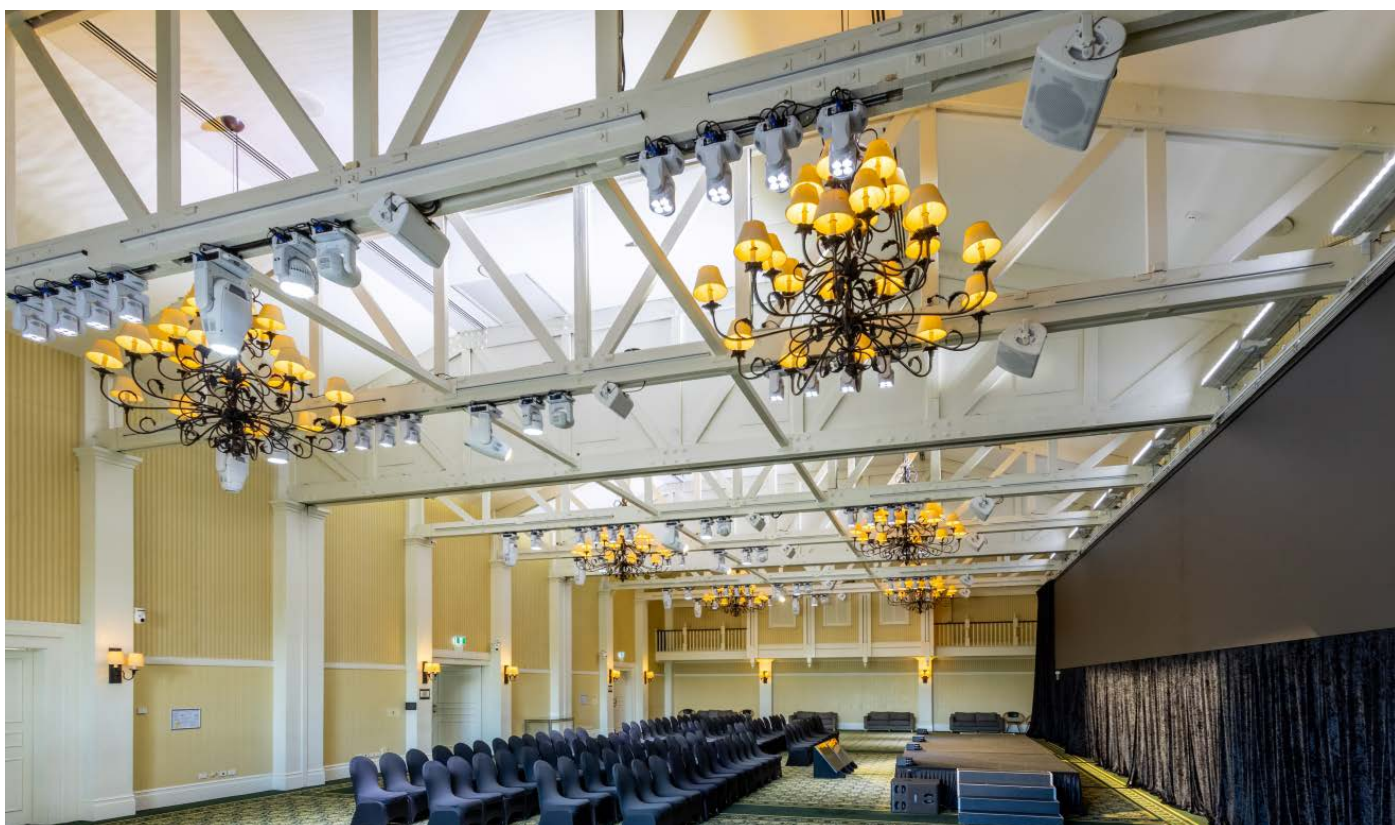

Nestled along the Coomera River, the InterContinental Sanctuary Cove's largest event space—already framed by French windows, a tracked 18-metre LED screen, and glittering chandeliers—can now back up its grand visuals with equally impressive sound.

The installation was spearheaded by Mitch Grant, on-site audio specialist from **AVPartners** who has been steadily enhancing each of the resort's 15 event spaces with cutting-edge technology. For the ballroom, which hosts everything from corporate conferences and gala dinners to full-scale social celebrations of up to 500 guests, Grant needed a system that would deliver pristine performance without clashing with the venue's refined design.

"The ballroom is a flexible space suited to everything from conferences and presentations to gala dinners and social events. The open-framed architecture, floor-to-ceiling French windows, an 18m tracked LED screen and statement chandeliers give the space a refined,

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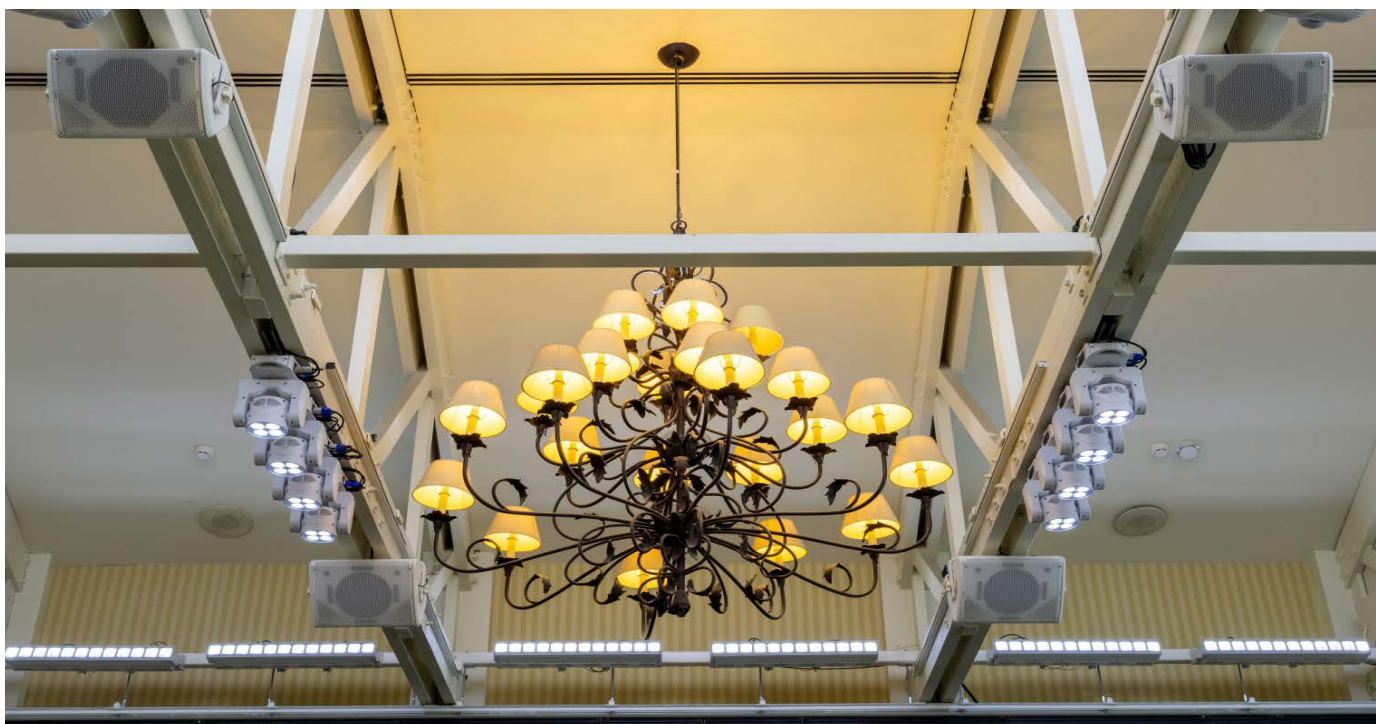
high-end feel – and the audio solution needed to match that without compromising on technical performance. The brief was to deliver a clean and professional audio solution that integrated seamlessly with the ballroom's architecture. We needed white, low-profile boxes that wouldn't visually intrude on the space but still packed a punch. NEXO gave us exactly that: a system that looks smart in the room and delivers maximum impact for our clients," said Grant.

The setup combines muscle with subtlety: P10 cabinets lead the charge at the front bar, P8 speakers handle rear fill, ultra-compact ID24s take care of discreet near-fill, and L15 cabinets bring the low-end punch with tight control. The result is smooth coverage, impact where it counts, and a soundscape that enhances the room without overpowering it.

"The system is centred around P10 cabinets positioned on the front bar, with P8 speakers used as rear fill to ensure smooth, even coverage. ID24 speakers run across the front as subtle near-fill, and the L15's deliver tight, well-controlled low-end. Altogether, the system creates an immersive

and intimate listening experience, perfectly balanced across the room without being visually dominant. The install has delivered consistent and trusted sound reinforcement, no matter the event. Whether it's crystal-clear speech, playback with impact, or full band audio, the system continues to hit the mark. The P+ Series has elevated the venue offering: it's reliable, rider-friendly, and has made a noticeable difference to the client and guest experience," Grant explained.
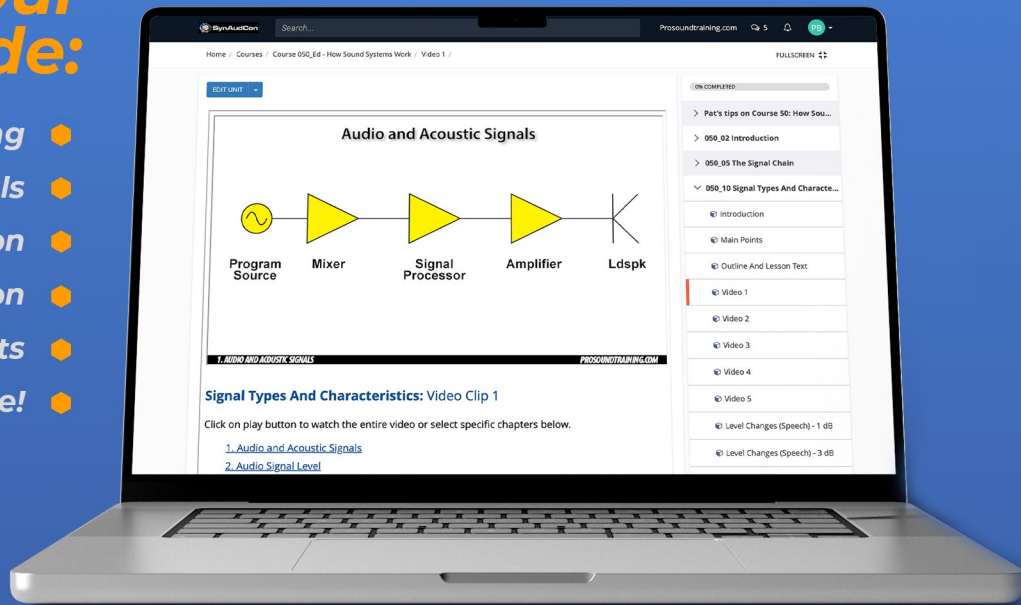
For Grant, the collaboration between NEXO and InterContinental Sanctuary Cove feels like a natural meeting of brands that represent quality in their respective fields. "We've always known NEXO to be a well-established brand with a strong reputation for reliability and sound quality. It felt like the right fit for this install, both from a performance perspective and a presentation point of view. We are extremely pleased with the system and its capabilities in the ballroom. As a popular venue here at InterContinental Sanctuary Cove Resort, we frequently work with returning clients, many of whom have commented that the AV upgrade in the space has been exceptional."