

# ETA ENTERTAINMENT TECHNOLOGY ASIA

For The Technical And Production Professionals in Asia

VOL 26 ISSUE 04  
APRIL 2025

**Ultimately** my  
ambition is to create a lasting  
legacy of professional excellence  
and innovation within the live  
entertainment industry, empowering  
individuals and driving sustainable  
growth.



FEATURE: Scaling Sonic Success - Exploring the  
Nuanced World of 'Scalability' in Loudspeaker  
Systems



LIVE: SoundStorm Amplified



INSTALLATION: Martin Audio On a High in India

**Daniel Choo**

Managing Director/Founder,  
Creme Academy

HIGH END SYSTEMS

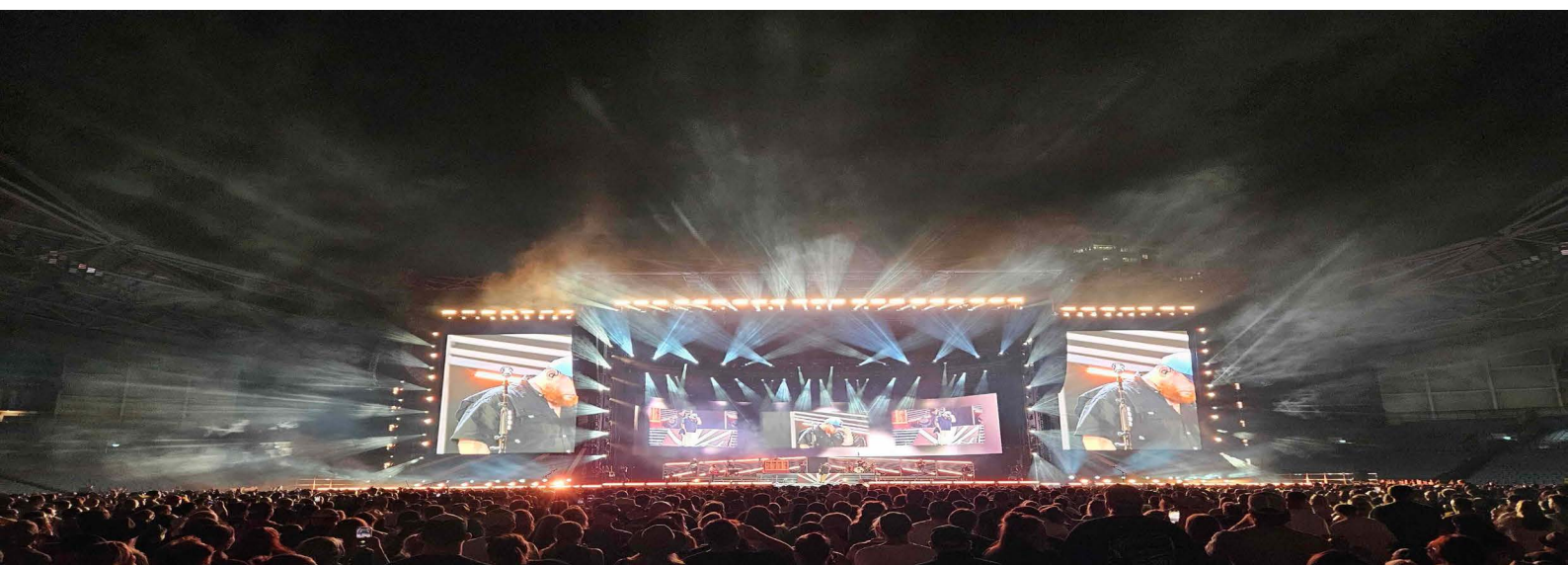
# SolaPix Fan 8



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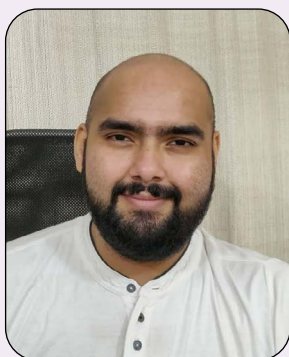
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Hold onto your seats—the live event technology scene in the Asia-Pacific seems to be experiencing a whirlwind of change!

Projections indicate that the live event industry here will surge past a compound annual growth rate (CAGR) of 9.6% by the end of 2025. This upswing is fueled by rising disposable incomes, rapid urbanization, and an insatiable appetite for immersive live experiences. India's live entertainment market, for instance, is

on track to enjoy a CAGR growth of 12.3% by 2026, underscoring the region's burgeoning demand.

In tow, the surge in entertainment installations and a keen adoption of world-class professional AV technology has also turned out to be a key highlight of the APAC region. This strategic focus has not only elevated production experiences, but more importantly - has also established the region as a nexus for cutting-edge live event innovations.

In this edition, we delve into the scalability of loudspeaker systems in live event productions, offering expert insights into not just optimizing audio experiences for diverse audiences; but also making inventory upgrades more fruitful for rental cos.

Our Personality feature spotlights Daniel Choo, the visionary Managing Director of Creme Academy in Thailand. Daniel has been revolutionizing the world of education and training for live event professionals with innovative approaches for several years now. And his latest enterprise involves a bespoke accreditation system that aims to empower Asian professionals with global standards and proficiencies.

Lights up, Sound on, and full speed ahead!

Enjoy the read!

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## PHILIPPINES

# ARX Systems Expands Presence in the Philippines with Yupangco Electronics Corporation as New Distributor



*DiGiCo's Quantum 338 consoles were deployed at FOH as well as MON positions by Solotech to cover the needs of Diljit Dosanjh's record-breaking Dil-Luminati Tour in UK and Europe.*

**ARX Systems** has strengthened its presence in Southeast Asia with the appointment of Manila-based **Yupangco Electronics Corporation (YEC)** as its official distributor for the Philippines market. This strategic partnership marks a significant step in expanding ARX's footprint in the region, bringing its high-quality professional audio solutions to a wider audience of industry professionals across the country.

**Colin Park, Managing Director of ARX Systems**, expressed his enthusiasm for the collaboration, highlighting YEC's strong reputation in the industry. "The YEC team has expressed their excitement about introducing our USB DI Series of interfaces, MSX Series of signal distribution products, and AudioBox series of audio toolbox essentials to their Pro Audio, Installation, and Broadcast clients and market players in the Philippines industry. YEC is one of the leading music, professional audio, and related product companies in the Philippines, where their customer and brand support is renowned as being second to none," said Park.

With decades of expertise in the professional audio sector, YEC has established itself as a trusted distributor of globally renowned brands. Their portfolio includes industry-leading names such as HARMAN Professional Solutions, with products spanning AKG microphones and headphones, AMX audio video control systems, BSS networked audio systems, Crown professional power amplifiers, DBX signal processors, JBL Professional loudspeakers, Martin Lighting solutions, and Soundcraft professional audio mixers. Additionally, YEC represents Steinberg, recognised for its cutting-edge music recording, arranging, and editing software, as well as Audinate Dante AVIO adapters, specialists in professional digital audio networking technologies. YEC also distributes Yamaha Music professional and commercial audio equipment, reinforcing its extensive reach in the industry.

This partnership between ARX Systems and YEC is set to bring a new level of accessibility and support for ARX's innovative audio solutions in the Philippines. With YEC's proven track record in the distribution of professional audio equipment, local clients can expect superior technical expertise, customer service, and an expanded product range tailored to the evolving needs of the market. As the demand for high-quality audio solutions continues to rise in the region, this collaboration ensures that ARX's cutting-edge products are readily available to audio professionals, system integrators, and broadcasters throughout the country.

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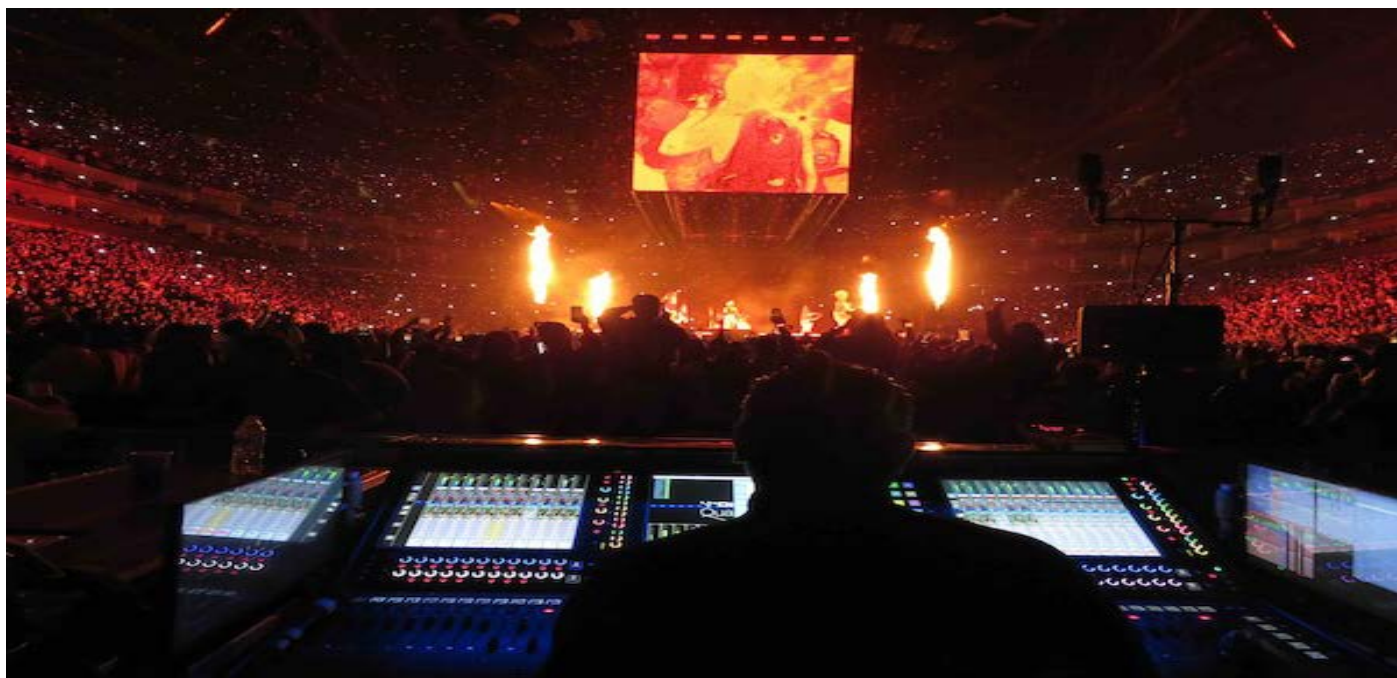
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## GLOBAL

# Diljit Dosanjh's Record-Breaking 'Dil-Luminati' Tour Thrives with DiGiCo Quantum 338 Consoles



*DiGiCo's Quantum 338 consoles were deployed at FOH as well as MON positions by Solotech to cover the needs of Diljit Dosanjh's record-breaking Dil-Luminati Tour in UK and Europe.*

Diljit Dosanjh's record-breaking Dil-Luminati world tour continues to make history, captivating audiences across the globe with electrifying performances and an unparalleled sonic experience. A cultural icon with over 50 million followers across social media, Diljit has elevated the scale and production of his live shows, relying on state-of-the-art audio technology to deliver the best possible experience for fans. To meet these demands, the UK and European leg of the tour has been powered by **DiGiCo** Quantum 338 consoles at both front of house and monitor positions, supplied by **Solotech Group**, and featuring **DMI-KLANG** immersive in-ear monitoring.

Engineers **Kenny Narayan** and **Ranjeet Singh**, who have been integral to Diljit's touring setup for years, trust DiGiCo for its durability, extensive feature set, and ability to seamlessly handle the intricate technical requirements of a high-production, multimedia-driven concert.

"The show is very heavy on Snapshots and MIDI recalls. Diljit is very active on social media, so we use a lot of busses, too," explains Narayan. "The console really meets our needs. There are often TV news cameras or social media teams that need feeds, so having the MADI streams at the desk to hit their recording platforms, rather than needing an additional rack, made it seamless."

With an enormous media presence surrounding every performance, Narayan and Singh maintain a laser-sharp focus on delivering flawless sound, ensuring that every note and lyric resonates with clarity. The reliability and consistency of the Quantum 338 consoles provide them with the confidence that their setup will perform perfectly night after night. Designed with redundancy in mind, the Quantum 338 features six single or three redundant MADI connections, dual DMI slots, and a built-in UB MADI USB recording interface. Its seventh-generation FPGA architecture ensures ultra-fast processing, making it the ideal choice for a show of this calibre.

“Overall, there are no more than 56 channels in use at the monitor desk. We use timecode for tracks and have additional monitor mixes for video, broadcast mixes and recordings,” notes Singh. “The console copes well with everything we ask of it, it is robust and trustworthy.”

Both the FOH and monitor consoles are connected via Optocore, streamlining system integration while enabling additional send and return channels. It is a setup that has proven to be the perfect fit for the tour’s technical requirements, as Singh elaborates.

“For this tour, it has to be DiGiCo. There are so many features that we appreciate, especially the chat function, which makes it so easy to communicate during the show; the SPL regularly goes above 108dB, so it’s essential,” he says. “Spice Rack and Mustard work really well, too, especially the DiGiTube valve amp emulator, which means we don’t have to rely on external processing racks.”

One of the key technological highlights of the tour is the implementation of the DMI-KLANG card, a fully integrated expansion that brings immersive 360-degree monitoring directly into the console workflow. Offering 64 input channels and 16 mixes with a latency of just 0.25 milliseconds, it has transformed the in-ear experience for Diljit’s band and performers.

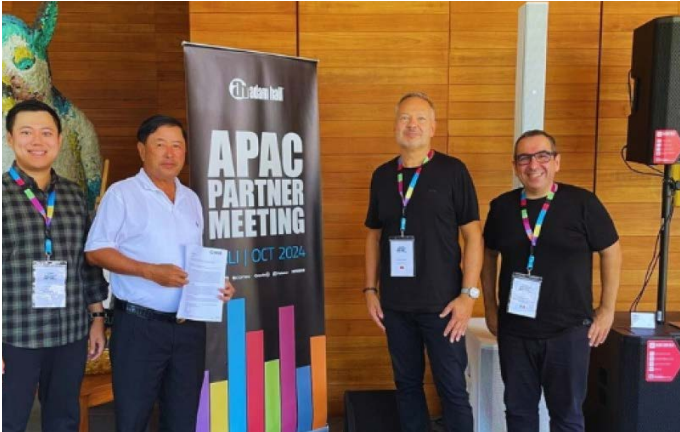
“DMI-KLANG is the first choice for our monitor mixes,” Singh continues. “The whole band uses the immersive settings, and we have 13 mixes in total. The musicians appreciate the clarity of sound and the space KLANG gives each element of the mix. Many of our artists are demanding the system for other performances! This is the first tour that we have used it for, and they are really enjoying it to the fullest!”

The *Dil-Luminati* tour shattered records by selling out three nights at London’s O2 Arena in mere minutes, marking the fastest-selling, highest-grossing run of shows for a Punjabi artist in the venue’s history. As the tour heads to India to close out the year with a string of sold-out performances, Narayan and Singh remain confident that their DiGiCo setup will continue delivering the exceptional sound quality that has become synonymous with Diljit’s live shows.

“We chose DiGiCo for its robustness and the ability to share a rack,” Narayan concludes. “Both Ranjeet and I have extensive DiGiCo experience, so if there are ever any issues, we can usually fix them. The audio quality and workflow work extremely well for us.”

**CAMBODIA + INDIA**

# LD Systems Enjoys Enhanced Presence in Cambodia and India



*LD Systems has strengthened its presence in Cambodia with a new partnership with Kfour Group.*

**LD Systems** has strengthened its presence in Cambodia with a new partnership with **Kfour Group Co, Ltd** the country's leading electronics retailer. This collaboration makes LD's vast portfolio of impressive technologies like the ANNY 10 mobile Bluetooth PA speaker – complete with an integrated battery and mixer – readily available to Cambodian consumers. In addition to the ANNY 10, Kfour's portfolio now includes a selection of LD Systems' renowned offerings, including the MAUI, STINGER, ICOA, and CURV 500 series.

"LD Systems has been one of the leading pro audio brands in Cambodia for over ten years," says **Bunarong Kit, Executive Director of Kfour Group**. "With the column speakers, we have broken new ground and created previously non-existent demand. The ANNY series will also perfectly meet the growing demands of our customers and offer innovative solutions."

**Markus Jahnel, COO of Adam Hall Group** echoes this enthusiasm, stating, "We are delighted to further expand our collaboration



with Kfour Group. Kfour is an experienced and trustworthy specialist retail partner that can optimally address the broad target group for the LD Systems ANNY 10 in Cambodia. We look forward to seeing and hearing the ANNY 10 in countless places in Cambodia soon – whether in the hands of musicians and event organisers, or in schools, gyms and bars."

The ANNY series from LD Systems presents a powerful, battery-powered all-in-one audio solution tailored for musicians, singer-songwriters, street performers, and users who require the convenience of a Bluetooth speaker without compromising on sound quality and professional-grade features. Designed for mobile live performances, school PA systems, or simply high-quality sound on the go, ANNY is a fully integrated PA system equipped with an onboard mixer, effects, and wireless microphone,



*Stagemix's 3 city tour in India presented an extensive portfolio of products from LD Systems and Gravity while spotlighting the LD Systems MAILA line array system's flexible application options.*

effectively transforming any location into a performance space. The ANNY series is available in two sizes: ANNY 10, featuring a 10-inch woofer and a 1-inch tweeter, and ANNY 8, with an 8-inch woofer and a 1-inch tweeter, each offered with either a handheld or headset wireless microphone.

On the other hand, **Stagemix Technologies** – the exclusive Indian distributor of Adam Hall Group brands LD Systems and Gravity – toured India with LD Systems in November 2024; as it organised three roadshow events in the major cities of Mumbai, Bangalore, and Hyderabad. The Stagemix team presented the extensive portfolio of the two brands on site; with the focus placed on the LD Systems MAILA line array system with its flexible application options in the live, event, and fixed installation sectors.

The three well-attended roadshow stops in Mumbai, Bangalore, and Hyderabad were aimed at distributors, rental companies, system integrators, and installation service providers. The portfolio on display was correspondingly diverse: MAILA for venues and medium-

sized events, the LD Systems TICA series for permanent installations in various application areas, LD Systems ANNY for musicians and mobile sound reinforcement applications as well as the comprehensive Gravity portfolio of stands, mounts, and transport options. Stagemix Technologies also demonstrated how LD Systems' commercial audio solutions can be set up and managed via the QUESTRA design and management software and how the platform can be used to create personalised control interfaces for end customers.

"Our intention with the roadshow was to present the entire range of our sales brands LD Systems and Gravity to our diverse customers in India," explains **Nitesh Narayan from Stagemix Technologies**. "The participants were impressed by the versatility and user-friendliness of the products and solutions. The roadshow's great success plays a pivotal part in the growth of LD Systems and Gravity in India. In the future, we look forward to continuing to address our customers throughout the country with targeted events such as these."

## GLOBAL

## EAW Appoints Mark Posgay as VP Of Global Sales



*Mark Posgay, VP Of Global Sales, EAW.*

**Eastern Acoustic Works (EAW)** has appointed Mark Posgay as Vice President of Global Sales. The company affirms that in this newly created role, Posgay will assume the management of EAW's global sales channel. He will be responsible for leading and scaling global sales teams, building strategic partnerships and ensuring the organization's sales operations are aligned for growth.

"Under Mark's leadership, we look forward to growing and strengthening our sales partner network and maintaining healthy and predictable sales performance, the fuel for our business," says **T.J. Smith, President of Eastern Acoustic Works**. "I am pleased to welcome him to the executive leadership team at EAW."

Posgay has been a part of the professional audio industry for over 20 years where he has held multiple global sales roles. Most recently he worked at Sennheiser as the global sales VP for professional audio. In this role he directed global oversight of the company's professional audio business unit's sales and business development team. Posgay has also previously worked in sales at HARMAN International, Monster Cable and MARS Music.

"I look forward to this opportunity to work with EAW and help the company's overall growth by driving sales," says **Posgay**. "I hope to be an inspirational sales leader as I work with the EAW team to push revenue, meaningful relationships and profitable business decisions for all involved."



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## AUSTRALIA

# NEXO's P15 Wedges Take Centre Stage at Australia's Iconic Live Music Venues



*The P15 is rapidly gaining recognition as the go-to foldback wedge in Australia.*

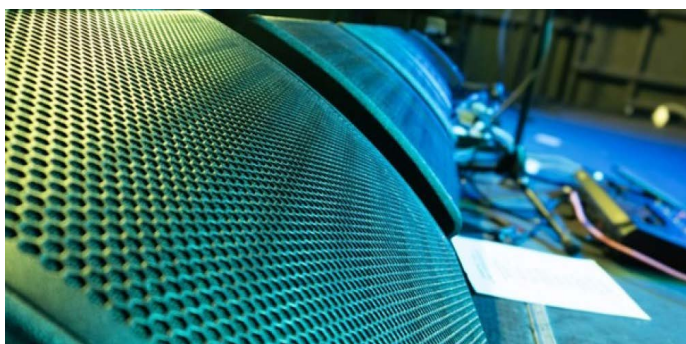
**NEXO's** latest point-source system, the P+ Series, is fast solidifying its reputation as a premier choice for live music venues across Australia, particularly in Melbourne. With its lightweight yet powerful design, the P+ Series offers exceptional sonic quality and SPL output, surpassing many larger and heavier alternatives. The ability to modify dispersion characteristics in seconds using optional magnetic horns or horn flanges makes the system a versatile solution for a range of live applications. Most notably, the P15 is rapidly gaining recognition as the go-to foldback wedge, earning the moniker 'the wedge that never says no' among professionals in the industry.

Recently, the P15 was deployed at Max Watts in Melbourne during Mammal's 'The Penny Drop' album launch party. A long-standing entertainment hub since 1997, the 850-capacity underground venue is a favourite among major touring acts, offering a high-end technical setup that now includes NEXO's acclaimed wedges.

Just a short distance away, The Workers Club in Fitzroy also played host to the P15 during a performance by western Sydney's Breakfast Road on their tour for the single 'Global Warming.' This Brunswick Street institution, known for its commitment to live music six nights a week, demonstrated the P15's ability to deliver uncompromising stage monitoring in an intimate setting.

Further up Brunswick Street, The Evelyn Hotel utilised multiple P15 wedges for Jimmy Harwood's 'Flip It' East Coast tour, providing impeccable on-stage sound for the Melbourne-based singer-songwriter's latest EP launch. With a legacy spanning over 50 years, The Evelyn has been a cornerstone of the Melbourne live music scene, having welcomed acts such as Dirty Three, Powderfinger, You Am I, Hiatus Kaiyote, and Alex Lahey.

Meanwhile, at The John Curtin Hotel on Lygon Street, The Belair Lip Bombs' 'Jerry Can and a



*With its widespread adoption across some of Australia's most celebrated live music venues, the NEXO P15 continues to prove its capabilities as a superior foldback wedge.*

Van' tour, presented in association with Sailor Jerry Ltd, saw the P15 wedges in action. The wedges played a crucial role in ensuring a seamless performance for the band and their accompanying engineers, reinforcing the venue's reputation for technical excellence. Not far away, The Gasometer Hotel in Collingwood deployed P15 monitors for MAMMOTH's 'The Westside Junkie' album launch, where the system helped to elevate the fusion of classical orchestration with contemporary hip-hop and raw storytelling.

In Thornbury, The Croxton Bandroom became yet another historic venue to integrate NEXO's P15 into its stage setup. During Beddy Rays' 'Schooner or Later' tour, the distinctive P15 wedges provided floor monitoring for the band's signature coastal punk rock sound. Established in 1844, The Croxton Park Hotel has witnessed the evolution of Melbourne's music scene, from the Gold Rush era to the heyday of Australian rock in the seventies and eighties. Having hosted legendary acts such as AC/DC, INXS, Men at Work, Rose Tattoo, Mondo Rock, and Midnight Oil, The Croxton's recent PA overhaul has ensured that the venue remains at the forefront of live sound, with NEXO's P15 now playing a part in its storied history.

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## GLOBAL

# Excitement Grows as World-renowned IAAPA (International Association of Amusement Parks and Attractions) Expo Asia Set to be Celebrated in Shanghai This Year



*The IAAPA Expo Asia 2025 will showcase the newest technological advancements and innovative solutions in the attractions industry from more than 300 exhibitors.*

**IAAPA (International Association of Amusement Parks and Attractions)** is a diverse and dynamic community of global attractions professionals, and the largest international trade association for permanently located attractions, as it unifies the attractions community, connects people to learn and grow together, and strives to promote the highest professional standards for excellence and safety around the world. Founded in 1918, IAAPA represents leading industry attractions and supplier companies, consultants, and individual members from more than 100 countries. Members include professionals from

amusement parks, theme parks, attractions, water parks, resorts, family 2 entertainment centers, zoos, aquariums, science centers, museums, cruise lines, manufacturers, and suppliers.

The largest amusement industry trade show in the Asia-Pacific region – the IAAPA Expo Asia 2025 – is all set to be hosted from 30 June to 3 July at the Shanghai New International Expo Center in China; with the international extravaganza poised to showcase the newest technological advancements and innovative solutions in

the attractions industry from more than 300 exhibitors, with over 10,000 attendees expected to visit the bustling 10,000m<sup>2</sup> trade show floor.

Traditionally, exhibitors have connected with their ideal customer base and driven revenue at this premier expo for leisure and entertainment. And 2025 will be no different according to the organizers, as the event is slated to attract a highly targeted audience of industry professionals actively seeking innovative products and solutions – thereby making it the perfect platform to generate qualified leads and forge strategic partnerships that translate into real business growth.

Reports suggest that by the end of 2025, the theme and amusement park industry in the APAC region is projected to attract more than 425 million visitors and generate over USD \$19 billion in spending. And the show management affirm that exhibitors at IAAPA Expo Asia will gain a strategic advantage by positioning themselves at the forefront of this growing industry.

**IAAPA Expo Asia Pacific Executive Director and Vice President, Jack Chan**, said the inspiring four-day event is the ultimate gathering of global amusement industry leaders and a prime platform to foster beneficial connections; as he commented “The IAAPA Expo Asia is the perfect place to network, expand visibility of your business, enhance your professional development, and connect with manufacturers, buyers and peers. For both exhibitors and attendees, it’s a chance to explore the latest trends, key issues and consumer preferences for the amusement/attractions sector; and, by having all the key industry players under the same roof, it’s an efficient way to meet in-person with over 10,300 potential clients, partners, suppliers and collaborators who share your vision.”

He further explained that the expo covers the entire spectrum of the attractions industry – not only amusement and water parks – as he elaborated, “Our event embraces the whole attractions landscape, including entertainment centres, location-based attractions, zoos, aquariums, museums and nature attractions as well as hotels and resorts and event facilities such as stadiums and food and beverage operators. It really is a one-stop destination for professionals in the leisure and attractions industry, whether you’re part of a multinational corporation or a small family-run operation.”

This year’s theme ‘Find Possible’ reflects the event’s focus on inspiring creativity and forging meaningful connections to unlock new growth opportunities, explore the future of the leisure and entertainment industry, and discover unexpected partnerships and new market opportunities. Exhibitors can also gain invaluable insights through the expo’s comprehensive education program which will cover a wide range of topics, from personnel development and business optimisation to F&B trends and revenue diversification. The expo’s EDUTours will offer an exclusive behind-the-scenes look at some of China’s peak entertainment venues and insider knowledge directly from their top executives. Lunch and Learn sessions are another opportunity to gain actionable insights that help businesses stay ahead in a rapidly changing market.

“We consistently receive overwhelmingly positive feedback from exhibitors about the value and return-on-investment they’ve gained by participating in the IAAPA Expo Asia,” concludes Chan.

## GLOBAL

# Christie Appoints Sean James as Executive Vice President of Global Sales and Service



With more than 28 years of experience at Christie, Sean, who started his career as a field engineer servicing cinema equipment, was instrumental in developing support programs and relationships with many leading Hollywood studios as they transitioned to digital cinema. He helped to deploy the world's first large-scale digital cinema deployment of nearly 4,000 screens across the U.S. and led the development of Christie's first Network Operations Center (NOC), expanding it globally. Sean previously led Christie's Enterprise and Entertainment division and has played a key role in driving Christie's expansion in both markets. His insights over the years have strengthened the company's reputation as a global leader in AV solutions for cinema, themed entertainment, government, and live & public events.

**Christie** has announced the appointment of Sean James as the company's new Executive Vice President, Global Sales & Service. In this new role, James will lead the sales function and continue to lead the company's service organization.

"Sean's proven leadership, combined with his ability to foster strong, lasting relationships, makes him highly qualified to lead our sales and service teams," says **Michael Phipps, President and Chief Operating Officer, Christie**. "His extensive experience in visual technologies and services, uniquely positions him to lead our new optimized operations to better serve our customers while ensuring long-term sustainability."

"When sales and service work together, they create seamless experiences that build trust and long-term loyalty with our customers," says **Sean James, Executive Vice President, Global Sales and Service, Christie**. "By aligning these two teams, we can provide consistent communication and deliver top-tier support."



AS AUDIO

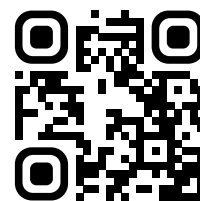


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### MEET THE TRAINER

Alex studied Electro Acoustics at the University of Applied Sciences in Cologne, Germany. His close collaboration with Apogee Sound Inc. and Adamson Systems Engineering helped him develop a deep expertise in large-scale sound systems. From 2005 to 2010, he worked with Real Sound Lab, focused on measurement software and correction tools,

where he served as Director of Pro Audio. With over 35 years of experience as a sound engineer for broadcast, live sound, and system engineering for multiple tours, Alex effectively bridges theory with real world applications. Since 2010, he has lived in Asia, developing his career and actively working across the APAC region.

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## ASIA

# Analog Way Bolsters Sales in Asia with New Appointments

**FELIX CHANG**

Country Manager for Korea

**CANDICE TAN**Regional Channel  
Manager for Southeast  
Asia (SEA)

**Analog Way** announced two new appointments to its Asia team. Felix Chang joins as Country Manager for Korea, while Candice Tan has been appointed Regional Channel Manager for Southeast Asia (SEA). These strategic hires reflect Analog Way's commitment to strengthening its presence and customer support across the Asian market.

Felix Chang will lead Analog Way's operations in Korea, driving business development and expanding the company's market footprint. With 15 years of experience in the IT industry, Felix has held leadership roles across multinational corporations and startups throughout Asia. He also brings an entrepreneurial perspective, having successfully managed his own company for three years.

With experience living and working in the USA, Canada, and Singapore, Felix possesses a strong international outlook and a deep understanding of both Eastern and Western business cultures. His extensive experience and strategic vision will be instrumental in strengthening Analog Way's partnerships and advancing its market position in Korea.

"I'm thrilled to welcome Felix to the Analog Way team," said **Guy de Souza, Vice President, Asia**. "His leadership and expertise will be key to our continued expansion in Korea, and I am confident he will make a significant impact in this dynamic market."

On the other hand, Candice Tan will oversee distribution and sales across Southeast Asia, ensuring strong channel partnerships and high-quality service delivery. In her previous roles, she successfully managed customer relations, product distribution, and after-sales support, equipping her with the expertise to drive growth and enhance client satisfaction in the region. Candice's industry knowledge and commitment to service excellence will reinforce Analog Way's dedication to delivering top-tier support to its customers.

"Candice's deep understanding of the industry and her ability to build strong client relationships make her a fantastic addition to our team," said **Jez Lim, Head of Sales, SEA**. "Her expertise will help drive continued growth and reinforce our commitment to outstanding customer experience."

## VIETNAM

## XTA/MC<sup>2</sup> Appoints Viet KTV as Vietnamese Distributor



UK amplifier technology manufacturing partners **XTA** and **MC<sup>2</sup>** have appointed Hanoi-based **Viet KTV Electronics Company Ltd** as their exclusive distributor for Vietnam. Viet KTV is an established and trusted distributor of leading global AV brands in Vietnam as well as a successful integrator of high-performance audio and video systems across the country.

Commenting on behalf of **XTA/MC<sup>2</sup>**, **Richard Fleming – Sales & Application Manager at XTA** shares that he's looking forward to developing a productive relationship with Viet KTV, as he stated, "Led by Mr Vu Phi Diep, the Viet KTV team comprises a group of highly motivated AV experts who have vast experience in supplying and advising clients, as well as carrying out their own wide-ranging projects using world-leading

brands. We are delighted to have such strong representation in this fast-growing emerging market."

**Vu Phi Diep, Director at Viet KTV** added to this as he commented "XTA/MC<sup>2</sup> has an excellent international reputation for manufacturing premium amplification technology which is used for a host of installed and touring applications on every scale. We look forward to sharing the advantages of these innovative and robust technologies with our clients, and anticipate very strong interest from the Vietnam market."

## INDIA

## SOUND.COM Invest in Additional KLANG:konductor System



*A view of the stage at one of A.R. Rahman's recent concert with Sound.Com's KLANG gear playing an active role in affording a sublime artist monitoring experience.*

Pioneering Indian audio rental company **SOUND.COM** has strengthened its commitment to cutting-edge technology by investing in **KLANG's** immersive in-ear monitoring solutions, including DMI-KLANG cards and the KLANG:konductor system. This strategic addition enhances their fleet of DiGiCo consoles and extends compatibility across their extensive inventory of consoles, reinforcing their position as a market leader in the country's booming live entertainment sector.

The investment comes at a time when immersive audio is gaining traction among Indian and international artists performing in the region. A.R. Rahman, the Academy Award-winning composer known for cinematic masterpieces like *Slumdog Millionaire*, is among the first high-profile artists to integrate KLANG:konductor into his live performances. His long-time monitor engineer,

Mark Thomas, has embraced the technology, citing its ability to render complex Bollywood soundscapes with unmatched clarity and depth.

"KLANG's clarity in rendering spatial audio means that even complex mixes with many layers remain clean and intelligible," says Thomas. "The depth of spatial audio that KLANG offers has allowed me to elevate the sonic experience in ways that were previously difficult or even impossible to achieve. The ability to place each element in a mix with a heightened sense of direction and depth means that intricate arrangements and layered instruments maintain their individuality without muddling."

Thomas further emphasises the creative advantages of KLANG in enhancing the emotional impact of Rahman's music. "A.R. Rahman's compositions carry immense emotional weight,

and KLANG allows me to amplify that by moving sounds within the artist's listening plane, creating more pronounced emotional highs and lows while keeping the performer fully connected to the music."

With seamless integration across all major consoles, KLANG:konductor provides SOUND.COM with remarkable flexibility, ensuring ease of use for engineers while delivering a superior monitoring experience for musicians. The system features a seven-inch touchscreen with full KLANG:app control and supports multiple audio network protocols, making it compatible with various setups. For orchestras, Thomas finds the KLANG:kontroller to be the most intuitive solution, while Bollywood musicians who frequently switch between instruments prefer using KLANG:app on their iPads for enhanced personal control.

"There's a huge demand for KLANG, both cross-platform and with higher channel counts, which is why investing in KLANG:konductor made perfect sense," Thomas adds. "India has become a major touring destination, and many international acts now request KLANG. We've seen a significant increase in enquiries, proving its impact on the industry."

As India's live event season gains momentum, SOUND.COM remains ahead of the curve, offering world-class audio solutions to meet growing industry demands. Thomas also acknowledges the crucial support from Phil Kamp and the KLANG team, ensuring seamless integration and troubleshooting whenever needed. "Phil and the KLANG team are incredibly supportive. Their expertise helps us resolve compatibility questions quickly, making the transition to immersive monitoring smooth for our artists."

For Warren D'souza, founder of SOUND.COM, integrating KLANG into their inventory is not just about technology—it's about elevating the entire artist and engineer experience. "Our KLANG:konductor and DMI-KLANG solutions are both highly popular and effective, and we share a fantastic relationship with the KLANG team," says D'souza. "In keeping with our tradition of naming our consoles and rack-mounted equipment after Star Wars characters, the Konductor has been christened 'Podracer.' The name draws inspiration from the immersive spatial surround effects of the Boonta Eve Classic podrace in The Phantom Menace, famously driven by Anakin Skywalker."

## SINGAPORE

# City Music Officially Launches PreSonus in Singapore



*The event offered attendees an exclusive first look at the latest PreSonus innovations including live demonstrations, insightful industry experience, and exclusive networking opportunities.*

**City Music Co. Pte Ltd** Singapore's leading distributor of musical instruments and audio technology, officially launched PreSonus <https://intl.presonus.com/> on 1 March 2025 at their building. The event offered attendees an exclusive first look at the latest PreSonus innovations including live demonstrations, insightful industry experience, and exclusive networking opportunities.

The launch highlighted PreSonus' cutting-edge audio solutions, offering musicians, producers, and content creators access to its premium range of audio interfaces, digital mixers, studio monitors, and recording software. This event showcased how PreSonus' seamless hardware and software integration can foster creative

workflows, from home studios to professional production environments.

Renowned audio engineer and producer Mark Spencer shared his expertise on Studio One Pro 7 and StudioLive mixers at the event. With decades of experience, he has worked on high-profile productions, including Benjamin Kheng's National Day Concert performance and Pope Francis' Papal Mass at the National Stadium. Spencer's session delved into how PreSonus' tools streamline professional audio workflows, providing invaluable insights for musicians and sound engineers alike.

Also present were Kamal Mahtani, PreSonus APAC Director of Sales and Duane Fernandez,



*The launch highlighted PreSonus' cutting-edge audio solutions, and access to its premium range of audio interfaces, digital mixers, studio monitors, and recording software.*

PreSonus APAC Market Support & Product Specialist. Other than addressing the attendees about the company and its vision, the duo also shared on technical matters with the attendees.

Kamal Mahtani comments, "PreSonus has an outstanding reputation for the products it has been designing to meet the demands of beginners and professionals alike. It is the kind of brand that can be a part of your daily live from studio to stage, once you are in the PreSonus eco-system. It was crucial to reconnect with our users to introduce to them the present and future of PreSonus, and to assure them of our stronger than ever presence and support via our distributor, City Music."

Hoe Hsin Loong, Marketing Director of City Music adds, "As the newly appointed distributor in Singapore, we're excited to showcase PreSonus' industry- leading audio tools. This launch event was the perfect opportunity for musicians, sound engineers, and creators to experience the unparalleled quality of PreSonus products."

City Music ensures expert support and easy access to PreSonus products across Singapore through its store and authorized dealers, providing top-tier audio solutions with dedicated service.

## GLOBAL

# d&b's Enhances Leadership Team with Emphasis on Future Growth and Innovation



Jaakko Kaivonen appointed new CRO (Chief Revenue Officer) for d&b audiotechnik.  
(Photo Credits: d&b group)



Nicola Wagener assumes role of CPSO (Chief People and Sustainability Officer) for d&b group. (Photo Credits: Oliver Wykrota)

As part of the ongoing commitment to strategic growth, **d&b Audiotechnik** is implementing key leadership transitions to increase customer focus as well as enhance innovation, improve decision-making, and strengthen collaboration. d&b has therefore welcomed **Jaakko Kaivonen as the new Chief Revenue Officer (CRO)** and **Nicola Wagener as the new Chief People & Sustainability Officer (CPSO)** on board the management team as of 17 March 2025.

With Nicola Wagener, d&b gains an accomplished leader with strong general business acumen and an expertise in organisational transformation and strategy. As **Amnon Harman, CEO of d&b group**, comments, "I have had the honour of working alongside Nicola in the past and treasure her strong analytical skills and her impact-driven mindset. I am very confident that her pragmatic, systematic working style and her extensive expertise in people development will greatly benefit d&b's future growth and our staff. I am

thrilled to welcome such a talented leader to our executive team."

"I am excited to join this exceptional company. What stands out to me most is the vibrant, positive culture, the hands-on mentality, and the pride people take in being part of the d&b family," says Nicola Wagener. "I look forward to getting to know the d&b community better, supporting change processes and enabling the organisation's next phase of growth from a people and sustainability perspective."

On the other hand, Kaivonen boasts an outstanding track record and brings extensive experience in leading global sales structures in the B2B business; with his expertise in leading business units experiencing dynamic growth touted to be instrumental for d&b audiotechnik's growth path.

"I am excited to welcome Jaakko to our executive team and the d&b family," says Harman. "To drive future strategic growth and strengthen our market position, the establishment of a dedicated CRO organisation is a key step. With this customer and market centric business unit, Jaakko will put a clear focus on our growth strategy built on existing strong relationships with our reselling partners, direct accounts and key opinion leaders as well the required support structure to further improve the partner and customer experience with d&b."

"I am truly excited and honoured to join d&b audiotechnik and its team of dedicated and committed professionals. d&b has absolutely the leading products and solutions in the market, excellent customer service and a true commitment to customer excellence," says Kaivonen. "d&b's outstanding team of professionals have throughout the years made a profound difference in the industry and I look forward to working alongside with this talented team to drive growth, expand global reach, and deliver exceptional solutions to our customers."

## GLOBAL

# Jon Hole Joins Avolites as Product Manager



The **Avolites** team has expanded with the appointment of **Jon Hole as Product Manager**, bringing with him 15 years of industry experience. His role at Avolites will be focusing on delivering both what customers want and what customers

don't yet realise they want, by collaborating closely with R&D, sales, marketing and of course, customers.

Jon's passion for the industry was first sparked whilst working at the Northcott Theatre in Exeter, UK, as a teenager, prompting him to go on to study stage management and technical theatre at the Royal Welsh College of Music & Drama. Jon's career has spanned roles within technical support, training, marketing and product management over the years.

**Avolites MD Paul Wong** commented, "We are thrilled to have Jon onboard. Jon's skillset, knowledge and experience are a perfect complement to the team in our development and drive to innovate and accelerate our lighting and video control solutions."

Jon is especially fired up about Avolites' creative control vision and product roadmap, and its proprietary Synergy software, recognising the importance and relevance of video in most events, presentations and live performances, and the need for full creative control.

"I'm excited about Avolites' product roadmap which will strengthen its value proposition," he commented, adding that he also sees the current console portfolio, with the addition of the new Diamond 7 (D7), offering lighting and visual designers "powerful, super-quick and user-friendly tools to create plenty of magic onstage."

Titan software is all about speed and simplicity and getting a light on and a show in the console even in the tightest timeframes, and Jon notes that more designer-led features like Key Frame Shapes will continue to make future Avo products even more hands on and interactive.

Jon believes that Avolites will additionally benefit in multiple ways from now being 'A Robe Business' including independent ownership and international resources.

## Mackie ProFX Scores Big On Features & Portability



The video introduces Mackie's ProFX series, which is known for its quality preamps, EQ, compression, and effects; while highlighting its popularity among musicians, streamers, and performers. It emphasizes the range from the original V3 series to the enhanced V3 plus models, catering to various recording and live performance needs.

## Behind The Curtain with Adamson



Ron Gardner, Front of House and Tour Manager for Jelly Roll, emphasizes the consistency and superior quality of the Adamson PA system used on the Jelly Roll tour, highlighting its impressive sound clarity and power that enhances live performances.

## INFiLED @ Malaysia's First ICVFX Virtual Production Studio at FINAS



Malaysia's first ICVFX Virtual Production Studio, located at the National Film Development Corporation Malaysia (FINAS) features high-performance LED screen solutions from INFiLED; made possible through the collaborative effort of FINAS Malaysia, Cedar Broadcast & Communications, and Integrasi Naluri Sdn Bhd.

## Robe "On-Location" with Marc Heinz in Amsterdam



Theater and lighting designer Marc Heinz discusses his journey into the world of lighting design, as he shares stories about his early experiences in theater, his significant breakthroughs, collaborations, and the challenges of lighting for various performances, including opera and EDM shows.

# CADAC Consoles Launches CM-Monitor App



**Cadac Consoles** has launched its CM-Monitor App, designed to provide performers a personalised on-stage monitoring experience on iPad with the CM-J50 console. The new app complements the existing CM-Remote app, which provides wireless iPad control of the CM-J50 console, and extends Cadac Consoles' commitment to flexible, accessible audio solutions for live performance.

With an intuitive, performer-focused interface, the CM-Monitor App allows each performer to adjust their monitor settings directly from their own device. This enhanced level of real-time control allows performers to shape their personal sound environment with ease. Able to support an unlimited number of wireless devices connected to a single CM-J50 console, the CM-Monitor App is an ideal solution for large-scale performances, including orchestras and other complex live setups.

"The app enhances the console's already impressive monitor capabilities," says **James Godbehear, Director of Marketing and Business Operations**. "With the CM-J50 set to Monitor Mode, users can access 54 busses instead of 48. Engineers can easily assign and manage these busses and their contribution channels in 'sends on fader' mode, enabling fast, efficient mixing of numerous monitor feeds."

**Emily Watson, Cadac Consoles' Head of R&D**, emphasises the CM-J50's advanced latency management, "Our automatic latency management system ensures all routing and processing latencies are aligned, resulting in perfectly phase-coherent audio across all outputs, with a total system latency of 0.4 milliseconds; which is critical for in-ear monitoring."

## LDR Introduces ASTRO 100 Followspot



**LDR** has introduced the ASTRO 100, a compact yet high-performance LED followspot designed to meet the lighting demands of confined spaces without compromising on output or efficiency. With its lightweight and portable build, this 100W LED followspot is an ideal solution for amateur theatres, school stages, clubs, conference rooms, houses of worship, and small live events, offering a powerful and precise beam in a minimal footprint.

Crafted from extruded aluminium and sheet steel, the ASTRO 100 ensures both durability and ease of handling. Its steel mounting bracket and tripod attachment allow for quick and stable positioning, making it a practical choice for dynamic lighting applications. Despite its small size, the ASTRO 100 delivers exceptional luminous output with a well-defined, uniform beam. The double-condenser optics guarantee even light distribution, eliminating unwanted shadows and ensuring professional-grade projection. With a variable beam angle from 10° to 28°, the followspot is well-suited for short-throw applications ranging from 2 to 10 metres, adapting flexibly to different stage requirements.

Equipped with a high-efficiency 100W LED light source available in 3200K or 5600K white, the

ASTRO 100 ensures superior colour rendering with a CRI of over 90, allowing for natural and vibrant reproduction of skin tones and stage elements. Its energy-efficient design, with a maximum power consumption of just 100W, significantly reduces operational costs while delivering intense illumination with minimal waste. The 16-bit dimming system enables smooth and precise transitions, whether controlled via DMX or manually adjusted from the rear panel. Thanks to Pulse Width Modulation (PWM) technology, dimming is entirely flicker-free, making the ASTRO 100 an excellent choice for video recording and broadcast applications. Additionally, an intelligent fan control system adjusts speed based on temperature, ensuring quiet and reliable operation even in acoustically sensitive environments.

Designed for versatility, the ASTRO 100 is also available in an RGBW version, offering expanded creative possibilities with dynamic colour effects. A white-finish version is also available for those seeking a more discreet aesthetic. The followspot comes as a complete package, including an iris diaphragm for beam control, a 28mm tripod spigot, and a 2-metre Power-Con mains cable. Additional accessories such as shutter blades and filters further enhance its functionality, catering to a wide range of professional lighting needs.

For those in search of a followspot that balances compact design, powerful light output, and optimised energy consumption, the ASTRO 100 stands out as a professional-grade solution. Designed with longevity and reliability in mind, it delivers outstanding performance across various applications. Described as “agile, powerful, and efficient,” the ASTRO 100 embodies LDR’s commitment to providing cutting-edge lighting technology that meets the evolving needs of the industry.

# ETC Revolutionises Lighting and Rigging Control with SiteLink and New Fixture Innovations



**ETC** has once again raised the bar in lighting and rigging control with the introduction of SiteLink, an always-on, cloud-based monitoring solution that brings unparalleled peace of mind to lighting and rigging professionals. Designed to keep every system component—from rigging towers to electrical closets—at the user's fingertips, SiteLink provides remote access to ETC's rigging, networking devices, consoles, power controls, RDM devices, and architectural lighting from anywhere in the world. Users can customise monitoring to focus on system-critical components, organising devices by physical location, such as "Proscenium" or "Dimming Closet," or by logical grouping like "Fixture Power" or "House Lights." The platform ensures that only relevant personnel receive alerts and status updates, enhancing operational efficiency and security.

Particularly beneficial for educational institutions, SiteLink provides school administrators and facilities managers with real-time system oversight, ensuring that all equipment is functioning optimally and delivering detailed diagnostics when it is not. The system's multi-subscription capability allows administrators to monitor multiple locations across a campus or an entire school district. Touring professionals also benefit from SiteLink's robust monitoring



capabilities, ensuring consistent performance across geographical locations.

In addition to SiteLink, ETC has announced three new entertainment lighting fixtures that further solidify its commitment to innovation. Two of these join the popular ColorSource V family, while the third expands the Desire Fresnel line with a more compact option.

The ColorSource PAR V Zoom builds on ETC's legacy of advanced lighting technology, featuring a five-colour array (red, green, blue, indigo, and lime), NFC configuration, and Wireless DMX/RDM. A standout feature is its manual zoom, which eliminates the need for additional diffusion and allows effortless adjustment between spot and wash. This fixture is over 50% brighter than the original ColorSource PAR, outputting just over 5000 lumens with a 17-41 degree zoom range. Factory-calibrated for long-term colour consistency, the ColorSource PAR V Zoom benefits from ETC's advanced thermal management algorithms, ensuring that the colours set in rehearsal remain true throughout



the show. With an L70 rating of 54,000 hours—equivalent to approximately 50 years of daily use—the fixture promises remarkable longevity. ETC backs this with an impressive five-year fixture warranty and a ten-year LED array warranty, along with industry-leading 24/7/365 customer support.

Fresnel V MAX takes the acclaimed ColorSource Fresnel V and nearly doubles its lumen output while maintaining the same five-colour RGBIL mixing, motorised zoom control, Multiverse wireless DMX/RDM, and NFC configuration. Designed for superior performance, the Fresnel V MAX offers a zoom range of 13-44°, making it a versatile choice for both washes and specials. Known for its exceptional barndoor performance, it delivers smooth fall-off and clean edges, ensuring precise control over light shaping. Engineered for efficiency, Fresnel V MAX consumes lower watts while delivering increased output, reducing heat, minimising fan noise, and enabling more luminaires per circuit. Like its ColorSource V counterpart, it boasts an L70 rating of 54,000 hours, making it a long-lasting investment for lighting professionals.

Completing ETC's latest lineup is the Desire Fresnel, a reimagined classic that seamlessly merges incandescent-style Fresnel characteristics

with modern LED technology. Expanding on the existing 7" version, ETC now introduces a compact 5" fixture. Both models utilise the Lustr X8 array, which incorporates deep red LEDs to restore nuanced colour rendering previously unattainable with traditional LED sources. This enhancement enriches skin tones, costumes, and scenic elements while adding depth and vibrancy to cool colours such as blues and greens. The Desire Fresnel's refined optical system ensures that brightness remains consistent throughout the zoom range, offering up to 25% greater efficiency over conventional Fresnel designs. The fixture's user interface has also been meticulously crafted for efficiency, featuring backlit encoders that change colour to match the corresponding attributes on the screen. With built-in NFC hardware, users can configure the fixture via the Set Light app, even when the unit is unpowered.

Additionally, ETC has collaborated with City Theatrical to integrate Multiverse, a patent-pending wireless DMX/RDM technology that significantly enhances scalability. Multiverse enables users to broadcast up to 10 universes of DMX from a single transmitter without excessive radio interference, making it a game-changer for large-scale wireless lighting systems.

## Eliminator Announces New 8-Channel Switch Pack with Remote Control Panel



The new SC8 II Pad System from **Eliminator Lighting** (From ADJ) is a convenient control solution for standalone lighting and effects equipment. It features an 8-channel relay pack combined with a separate remote control interface, allowing efficient cable management and convenient power switching. It is ideal for permanent installations in bars, nightclubs, and other entertainment venues as well as for use by mobile event companies and entertainers.

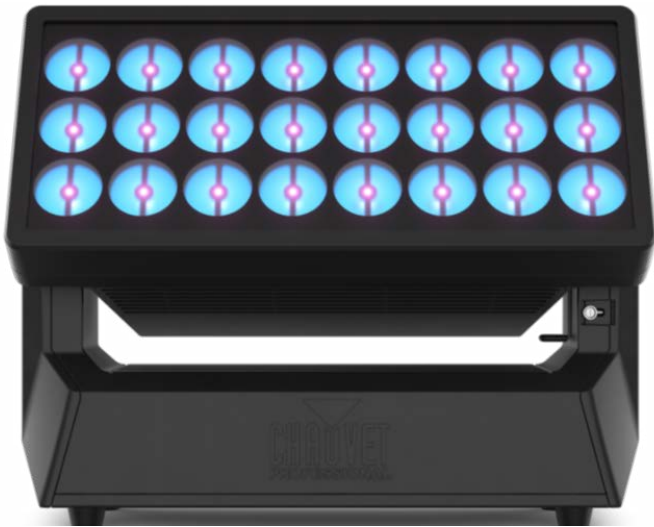
Offering a total load capacity of 15 Amps, the SC8 II Pad RP (relay pack) features eight Edison socket power outlets. Power is supplied to the pack by a trailing cable fitted with an Edison plug and it is fitted with both side mounting brackets and an M10 threaded mounting hole, allowing for both permanent installation and temporary rigging. A standard 3-pin DMX cable is used to connect the relay pack to the SC II Pad control surface, and a 25 ft. cable is supplied with the system (longer cables can be purchased separately if required).

The SC II Pad itself features a master power switch together with independent toggle and flash switches for each of the 8 outlets. Dedicated LEDs beside each pair of switches provide visual indication of which channels are currently active. Power is supplied to the control surface via an IEC socket and a 4 ft. IEC to Edison cable is supplied with the

system. In addition to providing a control signal to the relay pack via a 3-pin DMX socket, the controller also offers two 5V USB outlet sockets which can be used to power ancillary devices up to a maximum load of 2.1A each (3.4A in total).

The SC8 II Pad System is designed to make setups using standalone lighting and effects equipment neater and easier to control," comments Albert Paredes, Product Manager for Eliminator Lighting. "Up to eight different standalone lights or effects can be plugged into the rely pack, mounted close to the fixtures on a truss or in a venue's roof. A single 3-pin DMX cable can then be used to carry the control signal to where it is required – for example the DJ position – allowing each fixture to be switched on and off as required. This allows for shorter power cable runs, preventing tangles of cords and providing convenient control exactly where it is needed."

## CHAUVET Professional's Electrifies with New Hybrid Strobe-Wash



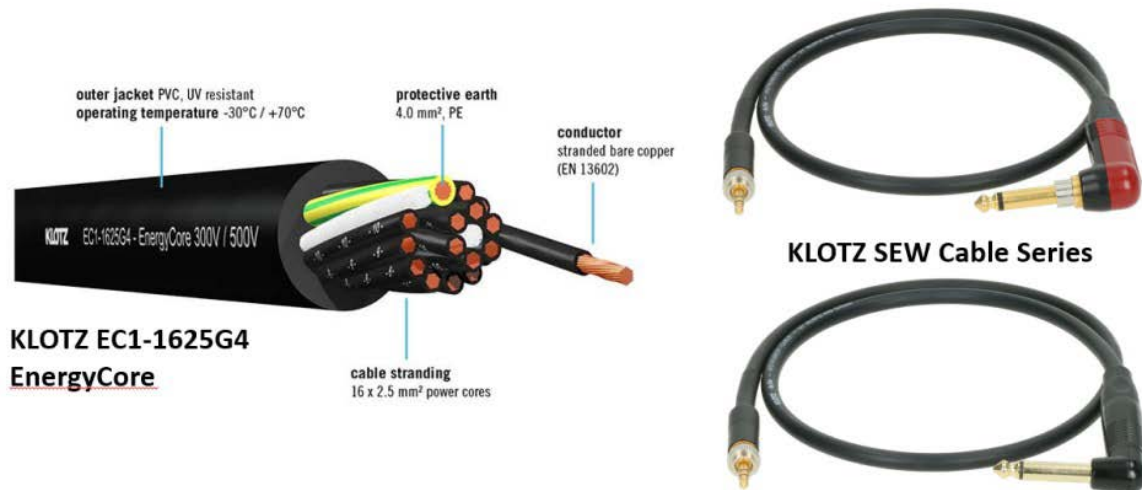
**CHAUVET Professional** has once again raised the bar in entertainment lighting with the launch of its groundbreaking STRIKE V, a motorised hybrid strobe-wash designed to deliver stunning multi-layered looks like never before. As the newest addition to the highly acclaimed STRIKE family, the STRIKE V is engineered to push the boundaries of concert and touring lighting, offering unparalleled versatility and dynamic performance.

A defining feature of the STRIKE V is its dual-layered RGBW LED configuration, consisting of 24 individually controllable LEDs per layer, allowing lighting designers to craft intricate, immersive visuals with unparalleled depth. With a top layer of 6W LEDs and a bottom layer of 50W LEDs, this powerhouse fixture delivers both intense strobing capabilities and an impressive colour wash that captivates audiences, no matter the size of the venue. The unit also incorporates a variable electronic frost plate, enabling seamless adjustments to beam angles at the push of a button, while its advanced LED optics generate a breathtaking spectrum of vibrant hues.

Further enhancing its flexibility, the STRIKE V features a 180-degree motorised tilt function, making it an essential tool for designers looking to create fluid, dynamic movement across the stage. Its ability to switch effortlessly between static and motorised effects ensures that every performance is elevated with stunning bursts of colour, electrifying flashes, and dazzling visual sequences. Built to thrive in both indoor and outdoor environments, the fixture boasts an IP65 rating, guaranteeing durability and reliability even in the most challenging weather conditions. Whether used to illuminate vast festival grounds or to inject a bold punch of light into high-energy concerts, the STRIKE V ensures that every seat in the house—no matter how far from the stage—experiences the full force of its impact.

The STRIKE V is designed for ultimate ease of use, featuring a magnetically attachable stealth filter that conceals the LEDs when required, providing a sleek and unobtrusive appearance. Additionally, multiple mounting locations, a repositionable yoke with ¼ turn adaptors, and built-in alignment pins offer creative rigging solutions, allowing seamless integration into diverse lighting setups. Despite its formidable capabilities, the fixture remains remarkably road-friendly, weighing in at just 36 lbs (16.3 kg), making setup and teardown quick and efficient for touring crews.

# KLOTZ Introduces All-New SEW Cable Series and EnergyCore EC1



**KLOTZ** has introduced the all-new SEW Cable Series and EnergyCore EC1 - both revolutionary products in their own right in the realms of connectivity.

The SEW series is said to deliver an exceptional blend of durability and pristine signal fidelity, incorporating high-end components to meet the rigorous demands of live performances. The cables feature screwable Switchcraft mini-jack connectors for secure and stable connections at the bodypack, ensuring uninterrupted signal transmission. On the instrument side, the SEW Cable Series offers a variety of jack connector options, all equipped with 24-carat gold-plated contacts to minimise signal loss and maintain pristine audio quality.

Musicians and sound professionals can choose from an array of configurations within the SEW Cable Series to best suit their individual needs. The lineup includes the renowned KLOTZ mini link series, featuring proven plastic connectors, and a fully “Made in Germany” edition with robust KLOTZ metal jacks for maximum durability. Additionally, the Neutrik Silent Plug connector option enables noiseless instrument changes

during live performances, providing added flexibility and peace of mind on stage.

Designed to withstand the intensity of demanding live environments, the KLOTZ SEW Cable Series ensures a secure and interference-free connection between the Sennheiser Evolution Wireless System and connected devices at all times.

On the other hand, the EC1-1625G4 Energy Multicore has been specially developed for mobile event, production and media applications indoors and outdoors in accordance with DIN 15765. It is equipped with 16 x 2.5 mm² current cores and a 4.0 mm² PE protective earth in accordance with IEC 60228 (class 6) with a short strand lay length.

The cores are made of finely stranded, bare copper in accordance with EN 13602 with a copper purity of over 99.95%, which ensures excellent conductivity. The specially modified, UV-resistant PVC outer jacket ensures thermal stability and high flexibility at the same time - even at extreme temperatures of up to -30°C.

# PROLIGHTS Presents ÆtherBox Single-universe CRMX Transceiver with IP65 Rating and Multi-protocol Support



**PROLIGHTS** has announced the launch of ÆtherBox, a single-universe CRMX transceiver with an IP65 protection rating, designed to offer versatility and robustness in any environment, from indoor venues to outdoor stages. With a wide range of connectivity options, including XLR 5-pin in/out, Ethernet for sACN and ArtNet, Wi-Fi, and Bluetooth, the device supports both CRMX and CRMX2 protocols.

ÆtherBox is built with a die-cast aluminum housing, suitable for resisting dust and water. This solid yet compact design includes multiple mounting options, such as rack mounting, truss installation using velcro strings, camlock suspension for quick hanging (compatible with omega brackets), as well as M10 and 3/8 threaded holes to adapt to any technical and logistical requirement.

The ability to support multiple power options is one of ÆtherBox's key features. In addition to mains power via a True1 connector, the device supports a 12V DC input and can operate on battery power using a dedicated adapter plate. The control panel features a color display and two pushable encoders, providing quick and intuitive access to advanced settings, simplifying configuration, and enabling seamless management of all transmission protocols

ÆtherBox represents the evolution of wireless transmission technologies for lighting control, combining durability and versatility in a single device. It is the ideal choice for lighting professionals seeking a reliable and resilient wireless solution for any environment and application.

# L-Acoustics and d&b audiotechnik Launch Dedicated Milan Manager Website



**d&b audiotechnik** and **L-Acoustics** have announced the launch of **milanmanager.com**, a dedicated website for accessing this innovative network management solution. The platform serves as a unified resource for audio professionals and manufacturers seeking to implement Milan-AVB networks across various applications. The website provides a centralized, manufacturer-neutral location where all users can download Milan Manager software free of charge.

The launch of a dedicated Milan Manager website coincides with the release of Milan Manager V2.0. This major upgrade includes many new features, the most significant being the addition of an advanced offline mode that enables the pre-configuration of Milan-AVB networks using an embedded library of certified products. Designs can then be saved as a file for future use or directly applied to the devices once they are connected to the network.

The introduction of milanmanager.com and Milan Manager V2.0 marks a significant step in promoting the widespread adoption of Milan-AVB technology. Recently recognized by Mix

Magazine with the Best of Show award, the Milan Converged Media Network specification and certification continues to demonstrate its value to the professional audio community. This initiative demonstrates both companies' commitment to fostering an open ecosystem that benefits the entire professional audio industry.

"The launch of milanmanager.com represents a milestone in simplified network management," said **Genio Kronauer, Executive Director of R&D, Technologies and Platforms at L-Acoustics**. "This dedicated platform demonstrates our commitment to making Milan-AVB technology accessible to the entire professional audio community."

"By providing a neutral, centralized resource for Milan Manager, we're fostering broader adoption of Milan-AVB networks across the industry," said **Matthias Christner, Head of R&D Systems & Technologies at d&b audiotechnik**. "This platform will serve as a foundation for continued collaboration and innovation."

d&b audiotechnik and L-Acoustics remain actively committed to receiving feedback from the professional audio industry, particularly members of the AVNU Alliance. This ongoing dialogue ensures Milan Manager continues to evolve to meet the needs of the broader professional audio community.

Milan Manager continues to be free to use and provides essential features including automatic device discovery, streamlined network configuration, and real-time status monitoring. The software's intuitive interface allows users to efficiently manage Milan-AVB networks of any scale while maintaining optimal performance.

## WORK PRO Expands the Integra Family with Three New Models



**WORK PRO** continues to expand its acclaimed Integra series with the launch of three new models: Integra 16S, Integra 4SA, and Integra 8SA. These additions offer advanced and versatile solutions for audio management in professional installations, reaffirming **Equipson's** about-us commitment to innovation and continuous improvement in audiovisual technology.

The new Integra 16S is a DSP matrix that retains all the features of the well-known Integra 8S but with double the channels: 16 inputs and 16 outputs. This model offers greater audio management capacity, ideal for more complex installations that require simultaneous control of multiple zones or areas. With its per-channel configurable DSP, the Integra 16S allows precise sound optimization, ensuring exceptional quality in medium to large installation environments.

The most notable innovations in the Integra series come with the introduction of the Integra 4SA and Integra 8SA models, which integrate DSP matrix functionality and amplification into a single product, providing a compact all-in-one solution for audio management and amplification.

The Integra 4SA is a matrix with 4 inputs and 4 outputs, featuring a 4-channel amplifier with

150W per channel. This combination is perfect for applications where a simplified installation and reduced size are required without sacrificing performance and flexibility. On the other hand, the Integra 8SA offers an 8-input and 8-output matrix along with an 8-channel amplifier, each with 150W of power. These models not only manage audio but also provide amplification, significantly reducing complexity and installation time—something highly valued by integrators and sound technicians.

With the Integra 4SA and Integra 8SA, Equipson takes a step forward in developing integrated solutions, significantly expanding the Integra product range. These versions with integrated amplification are designed to adapt to various applications, from commercial spaces to auditoriums and entertainment venues, providing unprecedented versatility and performance.

“Our goal with these new Integra series models is to offer integrators and end users the greatest possible flexibility in audio management,” says **Juan José Vila, CEO of Equipson**. “The inclusion of matrix DSP with integrated amplification responds to the need for compact, efficient solutions that simplify the installation process without compromising sound quality. These new

additions complete our Integra range, offering options for all types of needs, from small projects to large installations."

Additionally, Equipson has worked intensively on a completely renewed software for the Integra series, developed based on feedback from

integrators who use the products daily. This new software has been totally redesigned with the user in mind, providing a more intuitive, efficient experience tailored to the real needs of the industry. The new interface offers clearer visual control and simplified navigation, making DSP parameter configuration and adjustment more agile and straightforward.

## ADJ Announces Data Distro 6



**ADJ** has announced the launch of the Data Distro 6, a professional-grade DMX and RDM splitter designed to optimize lighting control systems with reliability and efficiency. Built for touring productions, permanent installations, and temporary events, the Data Distro 6 ensures seamless data distribution for complex lighting setups.

With six optically isolated 5-pin outputs, the Data Distro 6 provides stable DMX signal distribution, reducing interference and ensuring consistent performance across fixtures in large lighting systems. Each output features dedicated power and signal LED indicators for real-

time monitoring, allowing lighting technicians to troubleshoot and manage their systems effortlessly. The unit also features 5-pin DMX input and thru connections, which can be used to link up to 32 Data Distro 6 devices within a single system. When the thru connection is not in use, a switch allows the activation of a termination mode to further reduce noise by preventing reflections. A separate switch toggles between traditional DMX512 and DMX + RDM to allow support for bi-directional communication between compatible fixtures and control systems.

Designed for easy implementation, the Data Distro 6 is compact and lightweight (just 1.83lbs. / 0.83kg) with a rugged metal housing. Its barrel shape has a built-in channel designed to sit over a standard 1.96" / 50mm truss beam and the device is supplied with hook and loop fastener straps to hold it in place. Alternatively, a bracket is also supplied which can be used to connect a mounting clamp (sold separately). To aid with cable management, the output sockets are located on one side, while the input and thru connections – as well as a locking power input socket – are positioned on the other side.

# GLP's JDC Burst 1 is the Next Evolution of the Legendary JDC1



With the brand-new JDC Burst 1, **GLP** continues its success story with a significantly more powerful strobe/wash hybrid. Inspired by the innovative technology of the new JDC2 IP, and building on the success of the legendary JDC1, the JDC Burst 1 delivers an impressive blend of power, colour intensity, and flexibility. The JDC Burst 1, with its segmented, controllable white strobe line that's 10% brighter than the JDC1, delivers unparalleled punch and impressive strobe effects.

In addition to the white strobe line, the JDC Burst 1 features two powerful RGBW LED plates, offering significantly improved colour performance compared to the JDC1. As GLP's first hybrid strobe with RGBW LED plates, the Burst 1 enables not only rich, vibrant colours but also delicate pastel tones to be achieved. The RGBW plates are also precisely controllable in 20 x 240 RGBW pixels (divided into 12 x 4 segments of 5 x

5 pixels each), promising unparalleled dynamic range and maximum creative control.

Combining the strobe line and RGBW plates unleashes the power of the burst, as the strobe line and LED plates can flash in the same white colour. This allows for even more powerful and intense effects, making the JDC Burst 1 a powerful tool for creative lighting designs.

Whether it's an open-air festival, a TV production, or a club show – the JDC Burst 1 is ready for any environment. With an IP65 rating, it easily withstands rain, dust, and pyrotechnic effects while remaining virtually maintenance-free. While conventional devices suck in particles through fans and require regular cleaning, the Burst 1 features a fully enclosed system that guarantees long-term, reliable performance.

Whether used as a powerful strobe, an intense wash light, or a dynamic effect light – the JDC Burst 1 integrates seamlessly into any lighting design. Thanks to its flexible 180° tilt and versatile control options via DMX, ArtNet, sACN, and GLP iQ.Mesh, it guarantees intuitive operation and easy integration into existing setups. The multi-patch function also opens up new possibilities for customised control.

Despite all its power, the JDC Burst 1 remains extremely compact and mobile: Weighing just 14 kg and featuring ergonomic handles, it is particularly easy to transport and install. With the help of Camlock quick-release fasteners on the arm for vertical mounting, the device can be flexibly integrated into a wide variety of setups – horizontally, vertically, or at creative angles.

# NEXT-proaudio Unveils X-NET Ecosystem



Portuguese manufacturer **NEXT-proaudio** has introduced X-NET Software, a groundbreaking platform that serves as the central hub for an intelligent speaker ecosystem. Designed for both touring and fixed installations, this powerful software enables seamless remote control and real-time monitoring of all compatible NEXT-proaudio speakers (LA210x, LA26, LAs15A Plus, LAm114xA Plus, LAs118A Plus, LAs518A and SP12) ensuring an intuitive and efficient workflow.

At the heart of the ecosystem is a 96kHz/40bit SHARC DSP engine, built into each speaker and monitored via an LCD screen with a preset loading encoder. The X-NET Software automatically detects and maps all networked speakers, allowing effortless system integration and simultaneous control of multiple units through an advanced grouping facility.

This unified ecosystem gives users complete control over key audio parameters, including equalization, level, phase, and delay, while providing the flexibility to create unlimited

speaker groups. Whether in large-scale concerts, corporate events, or permanent installations, X-NET ensures consistent and high-quality sound performance across all connected devices.

Reliability is a key feature of the NEXT-proaudio ecosystem, with an automatic fallback function that guarantees uninterrupted operation by providing signal redundancy between analog and digital (AES or Dante) sources. This ensures maximum system stability, even in the most demanding environments.

By integrating NEXT-proaudio speakers and X-NET Software, users gain access to a fully connected and intelligent audio ecosystem that offers unparalleled flexibility, control, and reliability.

## Ayrton “Races” Further with Veloce Wash



Following the launch and immediate success of the all-new Veloce Profile, **Ayrton** has unveiled the Veloce Wash – the fourth luminaire in the “Ultimate” family, boasting a cutting-edge design and breathtaking performance.

Like all Ultimate series luminaires, Veloce Wash is a versatile tool designed to perform in all conditions—indoors, outdoors, and even in coastal environments. Built on the advanced principle of perfect scalability, this ultra-compact luminaire pushes the boundaries of integration with a sealed 850W high-efficiency LED module, calibrated at 6500K, delivering a powerful 40,000-lumen output. With an optimal black body positioning, it ensures perfect light neutrality.

The use of lightweight aluminum components significantly reduces weight, achieving the best weight-to-power ratio on the market, without resorting to costly or unstable special alloys. Weighing just 39kg, Veloce Wash is the lightest

luminaire in its category. For greater creative freedom, it features continuous, unlimited pan & tilt rotation.

Equipped with a 190 mm front lens, its proprietary 12-lens optical system delivers a 14:1 zoom ratio, covering a versatile range from 4° to 57°.

Veloce Wash integrates an ultra-fast CMY progressive colour-mixing system with a gradient disk that provides a continuous filtering surface, ensuring perfect uniformity. This innovative system enhances colour brightness and renders pastel shades with exceptional accuracy. A progressive extended CTO enables precise colour temperature adjustment from 2700K to 6500K, complemented by a 7-position colour wheel equipped with specialty filters for unparalleled creative potential. For greater flexibility, Veloce Wash features adjustable CRI tuning from 70 to 86. The framing system allows for precise shutter blade positioning across 100% of the surface, with  $\pm 90^\circ$  rotation. A 15-blade iris diaphragm, with an adjustable aperture range from 15% to 100%, optimises the beam in Beam mode.

The effects section includes a 6-position rotating glass gobo wheel, a multi-layer CMY+RGB animation wheel, a beam ovaliser, and an indexable rotating scrim filter. The all-new progressive frost system provides precise control over diffusion levels, offering seamless adjustment to match any creative need.

## Elation Unveils KL CORE IP



**Elation Professional** has announced the release of the **KL CORE IP**, the newest addition to its KL 'Key Light' Series of LED luminaires. Built to withstand the demands of today's fast-paced and light-critical environments, the KL CORE IP is a configurable, broadcast-quality LED source that can be adapted as an ellipsoidal, Fresnel or monolight.

The KL CORE IP is particularly well-suited for outdoor applications, thanks to its rugged, IP65-rated design that ensures durability in various weather conditions. Offering studio-quality illumination, the KL CORE IP excels in outdoor film sets, TV studios, theaters, and live productions. Its versatile design meets the stringent demands of on-camera production, delivering precise, high-output light that is adaptable to a wide range of lighting setups. Its exceptional colour rendering, reliability, and remarkable flexibility make it a great solution for both indoor and outdoor environments.

At the heart of the KL CORE IP is a high-output 400W RGBMA LED engine, capable of producing over 15,000 lumens. The high-quality light source makes it perfect for a wide range of lighting needs. For ellipsoidal applications, the fixture can

be paired with an optional KL CORE IP Shutter Barrel and used with any of the IP67-sealed lens tubes to function as a traditional LED ellipsoidal. The design is also compatible with most 3rd party shutter barrel assemblies, allowing seamless integration with existing setups.

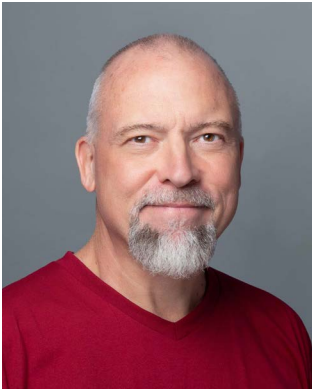
Further expanding its flexibility, an optional KL CORE IP Fresnel Lens transforms the fixture into a zoomable Fresnel, while an optional KL CORE IP Bowens Mount allows it to function as a monolight or lamp head for use with softboxes, lanterns, open-face reflectors, or other beam modifiers, making it ideal for TV/film and broadcast applications.

The KL CORE IP comes equipped with fully variable 16-bit color temperature adjustment (2400K - 8500K) for ultimate precision, along with dim-to-warm and redshift emulation for that classic incandescent glow. With CMY emulation, green/magenta shift, and a virtual gel library, accessing vibrant LED colours and pre-mixed shades is a breeze. Whether used as a key, fill, or wash light, the KL CORE IP consistently delivers pristine results.

The KL CORE IP's adaptability extends to its ease of use. With its touch bar encoder for straightforward standalone operation, Aria x2 wireless management integration, and NFC configuration, setup and control are made easy for lighting designers working in diverse settings.

The IP65-rated enclosure protects the KL CORE IP from water, dust, and other environmental factors, ensuring reliable performance in even the harshest outdoor conditions. The fixture's rugged construction is built for the rigours of outdoor film sets and stages, while also keeping the fixture cleaner and dust free for long-term indoor installations.

# Some Thoughts on the Availability of Information



I hope I can entertain you today with a few thoughts about this question, which has entered so many areas of our daily regular life, and the professional side has not been spared from this either. It was historically thought that the availability of

information would lead to increased knowledge. In this regard, the internet was considered a breakthrough since suddenly, mountains of information became widely and openly available. Move forward 40 years, and reality has caught up, and we have learned that cat videos and pictures, porn and a few other things are way more important than expanding your knowledge. The ISE (Integrated Systems Europe Trade Show) in 2025 in Barcelona has started heavily promoting AI in our professional environment. It is time and necessary to build some informed opinions on this. It seems that “you cannot miss out” and don’t get “left behind” is the credo, but essentially, we are being sold a bubble here. I will neither endorse nor reject this at this point, but we need to learn and inform ourselves to decide where to apply and reject this and other technologies.

I have an issue with some of the proposals at the core of the above. AI can learn and do many things better and faster than the human neural system. So, if you thought that your job, doing everything the same way every day at work, would be long-term stable, you are mistaken since AI will come for you. However, I have often been forced to make creative decisions based on a long list of complicated experiences and learned knowledge. I think that the “creative”

part is where AI is lacking and will also be lacking in the future. In our beloved industry, if there is anything new, then some of us will embrace those ideas just because they are new, and that is not an informed decision-making process, in my opinion. Remember that not everything that you can do is necessarily useful to do. A small conference room does not need a line array; the size and length of any given line array is a direct function of the ability to produce a cylindrical wave, so if the array does not meet specific height criteria, then the cylindrical wave will start at 15kHz and above, which is of no use to anybody. Below this, it would be a point source with all the benefits and limitations that such a system will bring to the table, but I digress.

During the recent ISE 2025, I had the chance to talk to a few colleagues in various areas of product development, both hardware and software and the common understanding was that none of us trusts any raw data that is presented anymore, and many times the effort to verify the data, or the given information, is outsizing the benefits. Most of us feel that marketing is king, engineering will justify the data being propagated, and rarely does anyone speak up about it. If something sounds too good to be true, chances are high that it is invalid.

Like many of you, I find this rather tiring, and I wish I could take information and run with it and trust that whoever supplied this information meant well and was honest in their approach. I find myself attracted to those products and brands whose data and performance are rooted in some reality and not only happening in some utopian parallel universe. On the bright side, you will get relevant data and information if you

get into any in-depth discussion with a good and solid brand. Once you have been able to bypass marketing and have a chance to engage an engineer to engineer, then much of the fog is lifted, and your bullshit meter recovers from heavy clipping.

The result is that many of us who do not want to go through the tiring process of learning and evaluating everything all the time tend to buy well-established brands and products. In many cases, this is not because the product is better, even if it is a great product, but it simply ensures that you will not get put on the spot in case of problems if the X, Y or Z brand is used for any given show or event. The message is that if you buy and use this specific brand, you won't face particular problems, and your daily work might become more manageable. This has a huge value to any of us. Still, at the same time, it makes it way more difficult for any new and good idea to penetrate the industry since there is no established set of experiences available. You will require some mavericks and pioneers to embrace new gear and new ideas and learn how they work. In our industry, this means that the more exciting stuff can be found on the edges of the tradeshow and events, where those with new ideas are trying to gain some traction. They show and share their approaches and ideas, and I find myself there many more times than on the mainstream isles since I am interested in new ideas, but not for the sake of them being new.

So, returning to the use of AI, those promoting the use and application tend to make absolute statements about the benefits and upsides, yet rarely do you hear of any risk or downside. From some 35 years and various columns about TANSTAAFL, I bet an arm and a leg that there is no singularly beneficial idea or technology ever. At the same time, there are many things that only a computer can do in an acceptable timeframe, and it makes perfect sense to use them in those

cases. Think about calculating intermodulation-free frequencies for your wireless setup; think about AUTO Mixing for conference setups; those things can be done quicker and more efficiently with good technology and software.

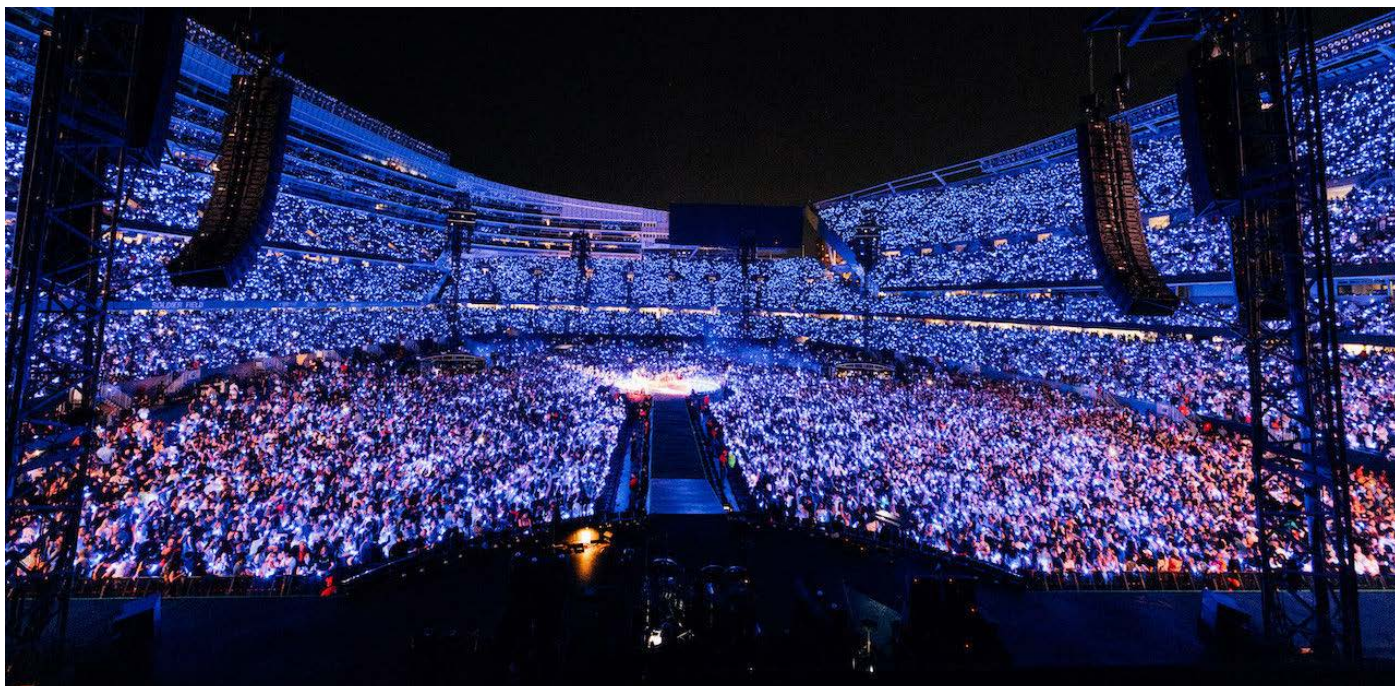
If I had to define things that I would not entrust to AI at this time, it would be creativity and taste. This also makes sense since those cannot be generalized, and they are very individual aspects of our work. Suppose I am researching a more extensive database. In that case, using an AI-powered system to find the best results from a gazillion pieces in an unimaginable extensive database makes perfect sense. AI is exponentially better equipped to do those things than I can ever.

So, as always, I find myself in need of learning new skills to be able to decide if and when to use specific tools, and I still enjoy the process of acquiring the new skill and the added knowledge. These days, I am particularly interested in computer networking and Internet communication. This is exciting and interesting to me since there is plenty of new stuff to be explored and learned, and those of you who know me are well aware of this crazy addiction to add to my knowledge base and skill set. Using CLOUD services for pro audio has plenty of upside in the commercial audio sector. On the pure audio hardware side, I hope there are still some people out there striving to drive the limits of what can be done by hardware ever higher and raise the standards here, too. You will find one or the other company working on this, and their product does just that. I find this very encouraging for myself and our industry as a whole, so please allow me to wish you an interesting time ahead with plenty of new stuff to explore.

Join the conversation and share your thoughts with Alex. Alex can be reached at [alex@asaudio.de](mailto:alex@asaudio.de)

# Scaling Sonic Success

*Exploring the Nuanced World of 'Scalability' in Loudspeaker Systems, and How it Might Just Be the Secret Weapon for Live Sound Success*



*d&b: d&b GSL and KSL systems deployed for COLDPLAY's Music of the Spheres US Tour.*

Imagine rolling into a venue—maybe it's a 500-capacity theatre, or maybe it's a 50,000-seater stadium. The audience is buzzing, the stage is set, and your loudspeaker system? It adapts effortlessly, flexing up or down like a sonic chameleon. That's the beauty of scalability in live sound, and it's changing the game for rental companies and manufacturers alike.

## Why Scalability Matters

Live sound has never been a one-size-fits-all industry. Rental companies need systems that can cater to corporate events one day and a rock festival the next. A scalable loudspeaker system ensures that the same gear can be used across a wide variety of applications, maintaining consistent tonal quality, seamless integration, and cost-effective deployment.



With modern-day events pushing the boundaries of immersive soundscapes, rental companies are more focused than ever on building inventories that prioritise

performance quality, reliability, and versatility. As **Thameen Ali, Director of Singapore-based rental giant Showlite**, puts it, "Reliability and flexibility are key. Our clients range from boardrooms to stadiums, and we need solutions that can scale without compromising on professional-grade audio." His sentiments are echoed across the industry, from rental firms to manufacturers who are rethinking how sound is deployed in today's fast-moving live event landscape.

Studying the way rental companies conduct their businesses would offer insight into the fact that regardless of a company's current size or revenue, their eventual objective is to not just enjoy better profits, but also an enhanced work-portfolio. This would demand such companies to evolve – not just in their business methodologies, but also in the way they adopt and engage with technology. Such developments invariably bring shifts in customer demands and technical requirements. And this is exactly why scalability must be at the heart of every investment decision.

A well-planned, scalable loudspeaker ecosystem allows rental firms to expand seamlessly without unnecessary expenditures, ensuring their systems can adapt to larger and more complex events without redundancy or compromise.

But how does one go about creating such a scalable high-performance loudspeaker ecosystem? And what are key performance markers that one should base their investment decisions on?

Industry insights point to the fact that such considerations are usually a delicate mix of a system's performance capabilities, physical attributes, and capacity to support future developments in technology.

## Tonal Coherence: A System That Scales Without Losing Its Soul

One of the biggest challenges in scalability is ensuring tonal consistency when mixing and matching loudspeakers of different sizes. For an event organizer, if a rental company delivers an exceptional soundscape for a smaller event, it's only natural to expect the same high-quality experience at larger, more complex productions. Scaling up often requires deploying larger loudspeakers—ideally from the same brand, but

with enhanced capabilities in coverage, throw, and dispersion. This is where Tonal Coherence becomes critical, ensuring a seamless and uniform sonic experience across all event scales.

Tonal coherence refers to the ability of loudspeaker systems to maintain a consistent sonic signature across different speaker sizes and configurations. This is one of the trickiest aspects of loudspeaker design, as variations in cabinet size, driver arrangement, and waveguide architecture can significantly alter sound characteristics. To counter this, manufacturers employ meticulously engineered waveguides, phase-aligned crossover networks, and DSP-based tuning algorithms to ensure that whether you are using a compact box or a large-format line array, the tonal balance remains unchanged.



**NEXO** has perfected this approach with its **STM (Scale Through Modularity) Series**, a truly modular and scalable system that allows rental companies to adapt their inventory to any event size with maximum efficiency. The STM system consists of the M46 main module, B112 bass module, S118 subwoofer module, and M28 Omni module, each designed to work in harmony while maintaining consistent tonality and directivity. This allows for seamless integration across different event scales—whether it's a small corporate gig or a full-scale stadium concert.



**Joseph Carcopino, R&D Director at NEXO**, sheds light on another approach to tonal consistency: “Our Downfill modules and Configurable Directivity Devices (CDD) allow us to fine-tune horizontal and vertical dispersion,

making our systems adaptable without sacrificing tonality.” NEXO’s GEOM10 line array module, featuring Configurable Directivity Devices (CDD) and Downfill modules, provides precise control over both horizontal and vertical dispersion. The CDD components allow users to adjust the horizontal directivity, ensuring optimal coverage in a variety of venue configurations, while the Downfill modules enable seamless sonic transition between arrays, preventing inconsistencies in sound projection. This modular approach ensures that whether a rental firm deploys a compact setup or a large-scale array, the system retains its sonic signature without tonal shifts or phase issues.

In the same light, **d&b audiotechnik’s SL Series (XSL, KSL, GSL)** is engineered with advanced cardioid technology, ensuring uniform dispersion while effectively controlling low-frequency spill. This innovation enhances clarity by minimizing unwanted rearward sound energy, making it an optimal solution for events where precision and controlled dispersion are critical. The GSL, designed for the largest stadium and festival applications, delivers high SPL with a full-range response, while the KSL and XSL provide similar voicing in smaller formats, making them ideal for mid-sized venues and corporate events.

**L-Acoustics’ K Series** (K3, K2, K1, KARA, KYVA) is designed with a shared sonic identity, allowing seamless scalability between different models. The K1, a large-format system, is widely used



*L-Acoustics K Series: L-Acoustics K1 and K2 were deployed together at the KineticFIELD Stage at EDC Thailand.*

in stadium concerts, while K2 brings the same tonal signature to smaller venues. The newer K3 provides a bridge between K2 and KARA, offering exceptional SPL output in a more compact enclosure, making it a go-to choice for rental companies managing diverse event requirements. This means an engineer mixing on a K1 system at a stadium can downscale to K3 for a smaller venue while maintaining a consistent tonal balance. L-Acoustics achieves this coherence through meticulous tuning of their waveguides and crossover networks, ensuring that no matter the size of the box, the core sonic characteristics remain unchanged.

On the other hand, **Meyer Sound’s PANTHER and LEOPARD systems** take tonal coherence to another level by integrating precision-engineered waveguides with highly advanced DSP algorithms. The consistency of phase alignment across different speaker models ensures that when PANTHER and LEOPARD systems are used together, they produce a unified sonic experience, free from phasing issues or tonal mismatches. The company’s sophisticated self-powered designs further enhance reliability and ease of deployment, making them a popular choice for scalable applications. Plus, these

systems are said to integrate seamlessly with other Meyer Sound systems, allowing rental companies to build flexible solutions without compromising tonal consistency.

And of course, **JBL's VTX A Series** (A6, A8, A12) is another prime example of scalability and tonal coherence. The series is engineered with a common voicing structure, ensuring that all models produce a consistent sound signature across varying configurations. Featuring JBL's proprietary Radiation Boundary Integrator (RBI) technology, these speakers achieve seamless mid- and high-frequency integration, allowing engineers to mix and match different models while maintaining a balanced sonic profile. The VTX A12, with its dual 12" woofers, serves as a powerful main system, while the more compact VTX A8 and A6 offer the same sonic precision in smaller formats, making them ideal for downfills, side arrays, or more intimate venues.

### **Ease of Deployment: From Warehouse to Showtime with Fewer Trucks and More Power**

One of the biggest pain points for rental firms is logistics. The more compact and lightweight a system is, the less space it takes up in transport and storage. At the same time, it must be noted that rental company's workflow is only as good as its efficiency; and the ability to deploy a system on field safely, quickly and accurately is as crucial to an event's success as the performances that grace the stage.

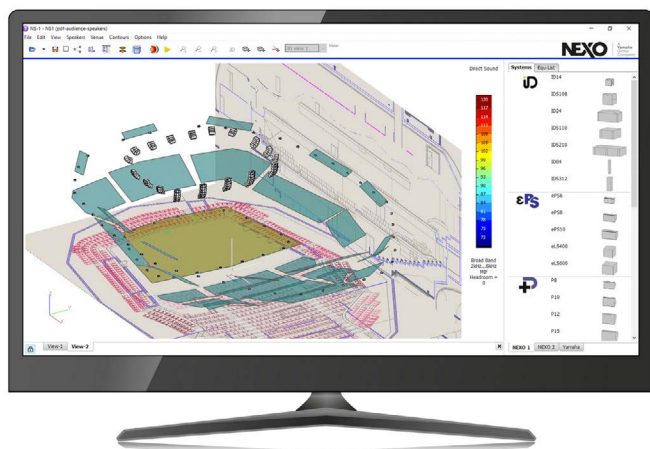
NEXO's STM system exemplifies this perfectly; as Carcopino explains, "The STM system, as its name suggests, is a unique high-end solution that can handle any event. The main module is only 575 mm (22.64") wide, making it ideal for venues with single-door access while also scaling up to large stadium events." Additionally, NEXO's use of modular accessories means rental companies

can configure setups without excessive hardware. Carcopino adds, "Balancing complexity, weight, and scalability is key. A system must be easy to use but powerful enough for any event."

Lightweight and compact form factors of the aforementioned systems from NEXO, L-Acoustics, Meyer Sound, d&b audiotechnik and JBL makes life easy for riggers on-field, owing to brisker movement of these boxes from truck to ground and from ground to scaffold. Additionally, systems like the VTX A series feature an innovative automated rigging system, which not only reduces setup time but also enhances operational efficiency several times over, especially for rental firms operating on tight schedules.

Modularity coupled with ease of rigging and enhanced system alignment provisions allows rental companies to use different enclosures while maintaining familiar rigging techniques, cabling, and DSP presets; thereby enabling engineers to work seamlessly across different setups, reducing training time and eliminating on-site guesswork. However, to maintain optimal scalability on the field – equally important is the ability to accurately design loudspeaker systems, pre-emptively – a task that has become infinitely more efficient, thanks to simulation softwares.

Manufacturers these days offer their own bespoke simulation softwares that have been designed and fine-tuned to work exceptionally well with their bouquet of loudspeaker systems. Thameen stresses how such innovations have improved operations at Showlite, as he shares *"With modern array prediction software and real-time system monitoring, we're able to optimise coverage effortlessly, while cutting down setup time dramatically."*

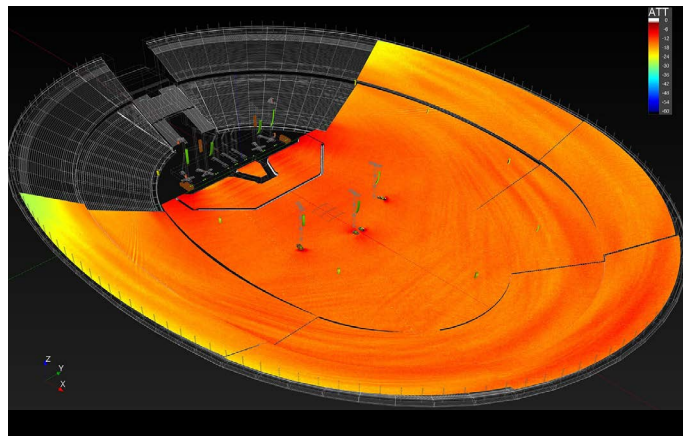


For example, **NEXO's NS-1 software** is a powerful predictive tool that enables engineers to optimize NEXO speaker configurations with ease. NS-1 provides precise coverage mapping, SPL calculations, and mechanical rigging simulations to ensure both acoustic and structural integrity. One of its standout features is its ability to simulate hybrid setups combining multiple NEXO speaker models, allowing rental companies to deploy mixed arrays while maintaining tonal coherence. The integration of NS-1 with NEXO's proprietary amplification systems further streamlines deployment, ensuring quick and accurate tuning on the ground.

Similarly, **d&b audiotechnik's ArrayCalc software** is designed to work seamlessly with d&b's loudspeaker systems; providing engineers capabilities like predicting directivity patterns, assessing mechanical rigging safety, etc. With integrated ArrayProcessing, the software fine-tunes coverage across the entire audience area, ensuring uniform SPL and frequency response. Plus, the ability to export data to d&b's R1 remote control software further streamlines the transition from planning to execution.

Equally impressive is L-Acoustics' Soundvision software operates in real-time, offering engineers the ability to model sound coverage with pinpoint accuracy. It also features AutoFIR optimization,

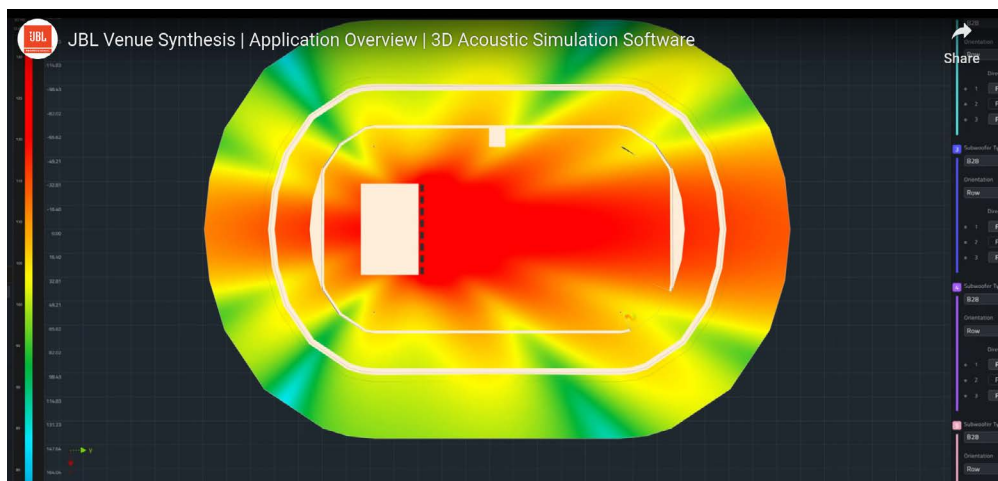
which ensures that all listeners experience the same level of sonic clarity, regardless of their position in the venue. The software's ability to export settings directly to LA Network Manager allows for a smooth transition from design to deployment, significantly reducing tuning time on-site.



*MeyerSound Mapp: A closer look at Meyer Sound's MAPP 3D intuitive interface.*

Not to be outdone, **Meyer Sound's MAPP 3D** offers real-time prediction of how Meyer Sound loudspeakers will interact with a given space. This software provides high-resolution simulations that account for reflections, absorption, and time alignment, allowing engineers to make data-driven decisions before arriving at the venue. MAPP 3D also integrates with Meyer Sound's GALAXY processors, enabling seamless tuning and optimization of arrays, further enhancing workflow efficiency for touring professionals and installation designers alike.

In the same vein, **JBL Professional's Venue Synthesis (VS) 3D acoustic simulation software** enables engineers to create highly detailed 3D models of venues, factoring in architectural elements, audience density, and environmental reflections. In conjunction with ArrayLink – the mobile companion app that works seamlessly with VS, users can safely and accurately deploy JBL loudspeaker systems in the field.



*JBL Venue Synthesis.*

## Future-Proofing: The Scalability Game Changer

The best systems aren't just scalable for today—they're future-proof for tomorrow. And manufacturers are staying active in the game; integrating cutting-edge networking protocols, DSP advancements, and remote management solutions to keep their systems ahead of the curve. For example, d&b audiotechnik's SL Series leverages sophisticated networking tools that allow engineers to group and manage devices effortlessly, reducing the need for extensive on-site training.

Thameen provides perspective on the impact of this on rental outfits, as he shares, "Off late, DSP and networking have made scaling a much smoother and streamlined process. With features like array prediction software, real-time system monitoring, and the ability to manage multiple zones or delay lines with just a few clicks, we're able to optimize coverage for any venue. Dante and AVB have also simplified signal distribution, reducing cable clutter and setup time."

On the other hand, Carcopino highlights the importance of networking advancements: "Very wide events can't function without advanced networking protocols. Tools like device grouping and audio channel routing allow us to scale

systems up while still maintaining intuitive control. This ensures rental firms can easily integrate sub-rental amplifiers without needing proprietary analogue cabling."

That being said, with immersive sound experiences touted to be the next big thing in live events – audiences now expect a deeper, more engaging audio experience, and manufacturers are racing to deliver scalable solutions that make immersive sound practical and accessible. The key here lies in designing loudspeaker systems that can seamlessly expand from traditional stereo setups to fully immersive environments without requiring a complete overhaul of existing inventories.

**L-Acoustics' L-ISA technology** is redefining spatial audio for live events by enabling multidimensional soundscapes with an intuitive object-based mixing workflow. Its scalability ensures that whether it's a small theatre or a massive stadium, the system can be expanded effortlessly using existing L-Acoustics speaker configurations.

**d&b audiotechnik's Soundscape** takes a holistic approach to immersive audio, offering dynamic room emulation and object-based mixing. It integrates seamlessly with d&b's scalable loudspeaker systems, allowing rental companies

to transition from conventional PA designs to fully immersive setups with minimal additional investment.

**Meyer Sound's Spacemap Go** brings a flexible and accessible approach to immersive sound design. This intuitive spatial sound mixing tool works in real-time, adapting to various venue sizes and speaker configurations. Its ability to scale up using Meyer Sound's existing self-powered systems makes it an attractive choice for rental companies looking to future-proof their setups. The best systems aren't just scalable for today—they're future-proof for tomorrow. Manufacturers are integrating cutting-edge networking protocols, DSP advancements, and remote management solutions to keep their systems ahead of the curve.

## Adapt, Synergise and Scale-Up

In an industry where technology evolves at breakneck speed, staying ahead isn't just an option—it's a necessity. The most successful rental companies are those that invest in continuous learning and strong manufacturer collaborations, ensuring that their teams are equipped to handle the latest innovations in live sound.

For rental firms, the biggest challenge often isn't the technology itself but the people operating it. As Thameen explains, "One of the biggest challenges is the availability of experienced and specialized crew across different roles when scaling up for larger or simultaneous events. For us, a great way to deal with this is 'continuous learning', which is a core part of our culture. We conduct regular in-house training and hands-on sessions with new technology and systems. Whenever time permits, we expose our team to manufacturer-led seminars and workshops so they can learn directly from the source."

Beyond training, Thameen also explains that international exposure plays a crucial role in

keeping rental companies ahead of the curve. Attending major trade shows like ISE, Prolight + Sound Frankfurt, ISLE Shenzhen, InfoComm Asia, and the GET Show gives rental professionals first hand experience with emerging technologies. It also allows them to engage directly with manufacturers, ask critical questions, and gain insights that improve their workflows and system design strategies.

From the manufacturer's perspective, serving the greater purpose of 'seamless scalability' isn't just about product design—it's also about understanding how rental companies use their systems in real-world scenarios. Carcopino highlights this dynamic: "That's the role of the manufacturer, in my opinion – to fix the limitations that hinder scalability so that most of the users can enjoy the best experience. We have the advantage of being a well-established company with a very faithful customer base. We are aware (since the development of Alpha back in the 90s) that rental companies have an infinite knowledge and specific usage of our products that we need to integrate into our next developments. It is our role to anticipate the next move—even ahead of customer expectations!"

This synergy between manufacturers and rental companies is what drives progress in live sound. Rental firms that invest in training and international exposure ensure they remain at the forefront of industry trends. Manufacturers that actively listen to their users and innovate accordingly secure their place as long-term partners in the industry. In a world where adaptability determines survival, those who fail to embrace change risk being left behind. Scalability is no longer a luxury—it's a necessity. And as event demands grow more complex, it is clearly evident – now more than ever – that rental firms and manufacturers must work hand-in-hand to develop solutions that are flexible, efficient, and future-ready.

# Daniel Choo: Championing Standards and Professionalism for the Live Industry



**Daniel Choo**, Managing Director/Founder of Creme Academy, leverages over 38 years of Leisure, Entertainment & Media Technology industry experience to provide comprehensive expertise in digitalisation, regional culture, and cross-sector integration. His proficiency spans audio engineering, education, business, operations, and management, evidenced by his two decades of fostering academic and industry partnerships. Notably, his participation as working group leader in drafting the Occupational Standard for Live Sound and Lighting developed an Entertainment Technology curriculum endorsed by Thailand's Vocational Education Commission.

## What inspired the need to establish occupational standards for professional sound and lighting in the live entertainment industry?

The inspiration behind establishing occupational standards for professional sound and lighting in the live entertainment industry stemmed from a clear need to elevate the industry's professionalism and ensure consistent quality. Over my extensive career, particularly through my work with Creme Academy and my involvement in vocational education, I observed a significant gap between industry demands and the available skill sets. This disparity often led to inconsistencies in production quality and safety.

By developing standardized occupational benchmarks, we aimed to:

- **Enhance professional competency:** Establishing clear expectations for skills and knowledge.
- **Improve industry safety:** Ensuring practitioners adhere to best practices.
- **Facilitate industry growth:** Creating a more reliable and skilled workforce.
- **Bridge the gap between education and industry:** Aligning vocational training with real-world requirements.

Ultimately, these standards were designed to foster a more robust and respected live entertainment sector, benefiting both professionals and audiences alike.



4th from left: Jullada Meejul - Director General, Thailand Professional Qualification Institute (Public Organization); 3rd from left: Deputy from Thailand Professional Qualification Institute (Public Organization); 5th from left: Jack, CEO of Jack Sound and to his left his wife, followed by Daniel Choo.

### What were the biggest challenges you faced while developing these standards, and how did you overcome them?

Developing these occupational standards presented several key challenges. One of the primary hurdles was bridging the industry-education divide. The live entertainment sector often relies on diverse and informal industry practices, which needed to be aligned with structured TVET frameworks. Achieving this required extensive stakeholder consultations and consensus-building to ensure that the standards accurately reflected industry needs while remaining implementable within formal education systems.

Another challenge was adapting to rapid technological change. The live entertainment industry is highly dynamic, with evolving technologies shaping its landscape. To ensure the standards remained relevant, we incorporated flexibility for ongoing review and updates, aligning them with Industry 4.0 advancements and future industry needs.

Finally, we had to balance national relevance within a global context. The standards needed to be applicable to the Thai workforce while also maintaining alignment with global best practices. Striking this balance ensured that professionals trained under these standards would be competitive both locally and internationally.

### How do these standards align with international best practices, and were there any global benchmarks you referred to?

Aligning these standards with international best practices was a critical consideration. We recognized the global nature of the entertainment industry and the importance of ensuring our professionals are competitive on a global stage.

To achieve this alignment, we:

- **Referenced international standards:** We examined established benchmarks from organizations like AES (Audio Engineering Society) and ESTA (Entertainment Services and Technology Association), as well as relevant ISO standards.



• **Engaged with international experts:** We sought input from professionals with experience in diverse international markets.

• **Analyzed international TVET frameworks:** We align our standards with UK and Australia that have established entertainment industries, particularly within the context of UNESCO's TVET recommendations.

• **Focused on core competencies:** We prioritized fundamental skills and knowledge that are universally applicable, such as safety protocols, technical proficiency, and problem-solving abilities.

• **Industry 4.0 alignment:** we ensured the standards are compatible with current digital work flow practices, and are future proofed to adapt to emerging technologies.

By incorporating these global benchmarks, we ensured that our standards not only meet national needs but also prepare professionals for success in the international arena, fostering a more interconnected and competitive workforce."

**How do these standards benefit professionals working in the industry, from entry-level technicians to experienced engineers?**

These occupational standards provide a clear pathway for professional development across all career stages within the live entertainment industry. For entry-level technicians, they offer a structured framework for acquiring fundamental skills and knowledge, ensuring a solid foundation for career progression. For experienced engineers, the standards serve as a benchmark for validating their expertise and staying current with industry best practices.

Specifically, the standards:

- **Enhance employability:** By providing industry-recognized credentials.
- **Facilitate career advancement:** Through clear progression pathways.
- **Promote lifelong learning:** By encouraging continuous professional development.
- **Ensure industry recognition:** Providing a common language and set of expectations.
- **Improve safety and efficiency:** through standardized procedures.

Ultimately, these standards contribute to a more skilled, professional, and recognized workforce, benefiting both individuals and the industry as a whole, which is a key goal within the TVET framework.

**What impact have these standards had on training programs, certifications, and overall professionalism in the industry?**

The impact of these occupational standards on training programs, certifications, and overall professionalism has been significant. They have provided a much-needed framework for consistency and quality across the industry.



*Delegates at one of the training session.*

Specifically, we've observed:

- **Improved Training Program Alignment:**

Training providers are now able to develop curricula that directly align with industry-recognized competencies, ensuring graduates are equipped with relevant skills.

- **Enhanced Certification Credibility:**

Certifications based on these standards carry greater weight, as they reflect a standardized level of proficiency validated by industry experts.

- **Increased Professionalism:** The standards have fostered a culture of professionalism by establishing clear expectations for ethical conduct, safety practices, and technical competence.

- **Greater Industry Recognition:** Professionals who meet these standards are recognized for their expertise, leading to improved career opportunities and industry standing.

- **Standardized quality:** productions and events are now able to have a more reliable standard of quality, due to the workforce being better trained.

- **Growth in TVET programs:** the standards have encouraged growth in related TVET programs, which in turn feeds the industry with new qualified workers.

These standards have contributed to a more skilled, professional, and respected workforce, leading to a more robust and sustainable live entertainment industry within Thailand.

### How do you see the future of occupational standards evolving in response to new technologies and industry trends?

The future of occupational standards in the live entertainment industry will undoubtedly be shaped by rapid technological advancements and evolving industry trends. We anticipate a greater emphasis on:

As the industry evolves, occupational standards must adapt to reflect key technological and operational shifts. One major area of change is **digitalization and automation**. The increasing integration of digital technologies, AI, and automation in sound and lighting systems requires new competencies in network management, data analysis, and remote operation. Professionals must be equipped with the technical expertise to navigate and leverage these advancements effectively.

Another emerging trend is the rise of **immersive technologies**, including virtual and augmented reality, as well as interactive media. As these fields grow, industry standards must evolve to support professionals working with these cutting-edge technologies, ensuring they have the necessary skills to create and manage immersive experiences. Sustainability is also becoming a critical focus. With a growing emphasis on environmental responsibility, standards must incorporate sustainable practices, such as energy-efficient lighting and sound systems, as well as strategies for waste reduction. This shift will help the industry minimize its ecological footprint while maintaining high production quality.

Additionally, **interdisciplinary skills** are increasingly important as entertainment sectors

converge. Professionals must now be able to adapt to the cross-platform content creation and integration, allowing them to work seamlessly across various media formats and production environments.

The shift toward **remote and hybrid production** has also accelerated in the post-pandemic era. Occupational standards need to reflect the skills required for working in these new environments, including proficiency in remote collaboration tools, live streaming, and cloud-based workflows.

Finally, **cybersecurity** is becoming a crucial competency. As digital systems become more prevalent, protecting sensitive data and networked equipment from cyber threats is essential. Professionals must be trained in cybersecurity best practices to ensure the integrity and security of digital production environments.

To ensure these standards remain relevant, we must adopt a flexible and adaptive approach, incorporating continuous review and updates based on industry feedback and technological advancements. This will involve ongoing collaboration with industry stakeholders, educational institutions, and technology providers to anticipate future trends and ensure that professionals are equipped with the skills they need to succeed.”

### What are your next objectives or ambition that you hope to achieve?

Looking ahead, several key initiatives will drive the continued evolution and impact of these occupational standards. One priority is **regional expansion**, advocating for the adoption of these standards across Southeast Asia. A unified approach will help foster a more professional and interconnected entertainment industry in the region, enhancing workforce mobility and collaboration.

Another focus is **advanced curriculum development** to align educational programs with the evolving needs of the industry. Special attention will be given to areas like immersive technologies and digital media, ensuring that training remains relevant and future-ready.

The **deeper integration of Industry 4.0 principles** is also essential. As automation, AI, and smart technologies become more embedded in the entertainment sector, professionals must be equipped with the skills to navigate and leverage these innovations effectively.

Additionally, **sustainability advocacy** will play a crucial role. Industry standards and training programs will need to emphasize environmentally responsible practices, such as energy efficiency and waste reduction, contributing to a more sustainable entertainment sector.

To support the next generation of professionals, **knowledge-sharing and mentorship programs** will be strengthened. By creating robust mentorship networks and knowledge-exchange platforms, emerging talents can gain industry insights and hands-on guidance from experienced professionals.

Finally, the development of a **digital TVET platform** will expand access to training in the entertainment industry. By leveraging online learning, this platform will make vocational education more accessible, reaching a wider audience and ensuring that industry-relevant skills are available to all aspiring professionals.

Ultimately, my ambition is to create a lasting legacy of professional excellence and innovation within the live entertainment industry, empowering individuals and driving sustainable growth.

## THAILAND

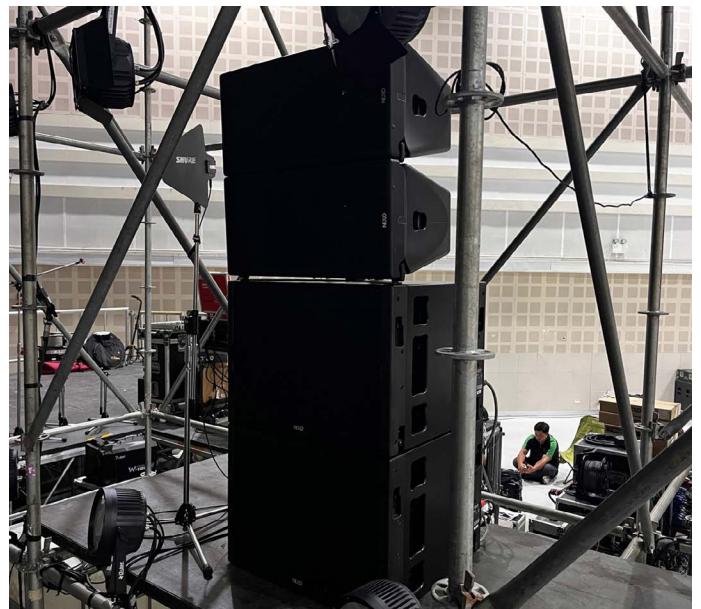
# Baking Up a Sonic Feast

*Fuzion Far East deploys state-of-the-art NEXO sound system to deliver an unforgettable audio experience at Thailand's legendary Indie music showcase.*



Now a subsidiary of Sony Music Entertainment Thailand, Bakery Music has been at the forefront of Thailand's independent music industry since its founding in 1994, inspiring a new generation of indie labels and artists.

In a celebration of the label's enduring legacy, the recent Bakery Rock Concert Live in Chiang Mai brought together some of its most iconic acts, including Moderndog, Pru, and Flure, delivering a nostalgic yet modern sonic experience. And tasked with ensuring pristine audio clarity for this landmark event, local distributor and concert sponsor **Fuzion Far East** deployed a cutting-edge **NEXO** sound system that brought every riff, lyric, and beat to life.





*Fuzion Far East deployed a cutting-edge NEXO sound system, comprising the GEO line arrays, RS18 subs and P15 monitors – all of which came together beautifully to bring every riff, lyric, and beat to life.*

At the heart of the FOH setup were left and right hangs, each comprising 12 units of the NEXO GEO S12 speakers, ensuring powerful and even coverage across the audience. Low-end reinforcement was provided by NEXO RS18 subwoofers, delivering deep and punchy bass; while the NEXO GEO M12 served as front fills, ensuring crystal-clear sound for those closest to the stage. On-stage monitoring was equally meticulous, with NEXO P15 and PS15 R2 wedge monitors delivering high precision and clarity for the artists, while a side-fill configuration featuring NEXO GEO M12 and MSUB18 subwoofers provided an immersive stage sound experience. Amplification and processing duties were seamlessly handled by NEXO NXAMP Powered TD Controllers, ensuring optimal performance throughout the show.

“This concert promised a unique fusion of nostalgia and modernity, celebrating the golden era of Thai alternative rock with a state-of-the-art audio experience,” comments Fuzion Far East Marketing Manager Manatchaya Vanno. “From



the opening act to the grand finale, every note, riff, and lyric resonated perfectly, creating an immersive atmosphere that left the audience in awe. The exceptional sound quality was no accident; it was the result of meticulous planning and the deployment of top-tier equipment.” The Bakery Rock Concert Live in Chiang Mai not only showcased the legacy of one of Thailand’s most influential indie labels but also demonstrated the power of world-class audio technology in transforming live music experiences. With NEXO at the helm, the event delivered a sound that was as dynamic and evocative as the music itself.

## INDIA

# Sid Sriram's Sonic Brilliance Soars with SSL L450 & L650

*Reynolds Sound & Lighting Services Pvt Ltd delivers an immersive live sound experience at Vijayawada and Hyderabad Concerts, powered by Solid State Logic's cutting-edge live consoles*



Sid Sriram's electrifying performances in Vijayawada and Hyderabad were nothing short of a sonic spectacle, with the pristine audio quality of **Solid State Logic (SSL)** live consoles elevating the musical experience to new heights. The front-of-house mix was expertly crafted on the powerful SSL L450, while the SSL L650 ensured crystal-clear monitoring, guaranteeing

an unparalleled auditory experience for both the audience and the performers. The audio system for these high-energy concerts was provided by **Reynolds Sound & Lighting Services Pvt Ltd** Bangalore, whose expertise in live sound reinforcement played a crucial role in the event's success.



*Team Reynolds delivered an immersive live sound experience at Vijayawada and Hyderabad Concerts, powered by Solid State Logic's cutting-edge live consoles.*

At the heart of the front-of-house setup, the SSL L450 delivered an uncompromising mix, driven by its advanced Optimal Core Processing (OCP) technology. According to the audio team, the L450 – known for its sonic transparency and efficiency – boasts a triple-wide fader bank layout with access to 36 faders, provided engineers with intuitive and seamless control. The integration of high-resolution screens allowed for precise adjustments, ensuring that every nuance of Sid Sriram's vocals and instrumentation was captured with exceptional clarity.

On the monitoring side, the SSL L650 stood out as a powerhouse console, delivering pristine audio through its next-generation OCP technology and robust I/O architecture. Featuring an intuitive user interface with a knob-per-function Channel Control tile, the L650 allowed for real-time adjustments with pinpoint accuracy. Its ability to handle multiple live and broadcast mixes simultaneously ensured that Sid Sriram and his band enjoyed customised, high-fidelity monitoring throughout both concerts, allowing them to perform at their absolute best.



Front-of-house engineer Supratik Das praised the SSL L450 for its impeccable sound quality, stating, "The L450's clarity and precision allowed me to craft an immersive and dynamic mix, ensuring that Sid's vocals were delivered with warmth and depth. The sonic quality of the console made a significant impact on the overall concert experience." Monitor engineer Hardik Keshan echoed similar sentiments about the SSL L650, saying, "The L650's flexibility and intuitive design made my job much smoother. The musicians were incredibly happy with their monitor mixes, which helped them deliver their best performances."

A defining element in the exceptional audio quality of these concerts was SSL's industry-leading SuperAnalogue preamps, known for their ultra-low noise and distortion. These high-end preamps preserved the authenticity of every instrument and vocal, ensuring a transparent

and dynamic mix that captured the true essence of the live performance. The combination of SSL's cutting-edge technology and meticulous engineering resulted in an immersive and emotionally resonant sonic experience for the audience.

The team at Reynolds Sound & Lighting Services Pvt Ltd expressed their enthusiasm for working with SSL's live consoles, stating, "Working with SSL's L450 and L650 consoles allowed us to achieve the highest audio standards. The consoles' reliability and premium output quality ensured that every aspect of the concert sounded spectacular." The resounding success of Sid Sriram's performances in Vijayawada and Hyderabad stands as a testament to the synergy between world-class technology and expert engineering, setting a new benchmark for live sound production in India.

## BAHRAIN &amp; SINGAPORE

# Smash Hit Lighting

*Claypaky Lights Up Global Stages with A Show of Power + Dominance in Bahrain and Singapore*



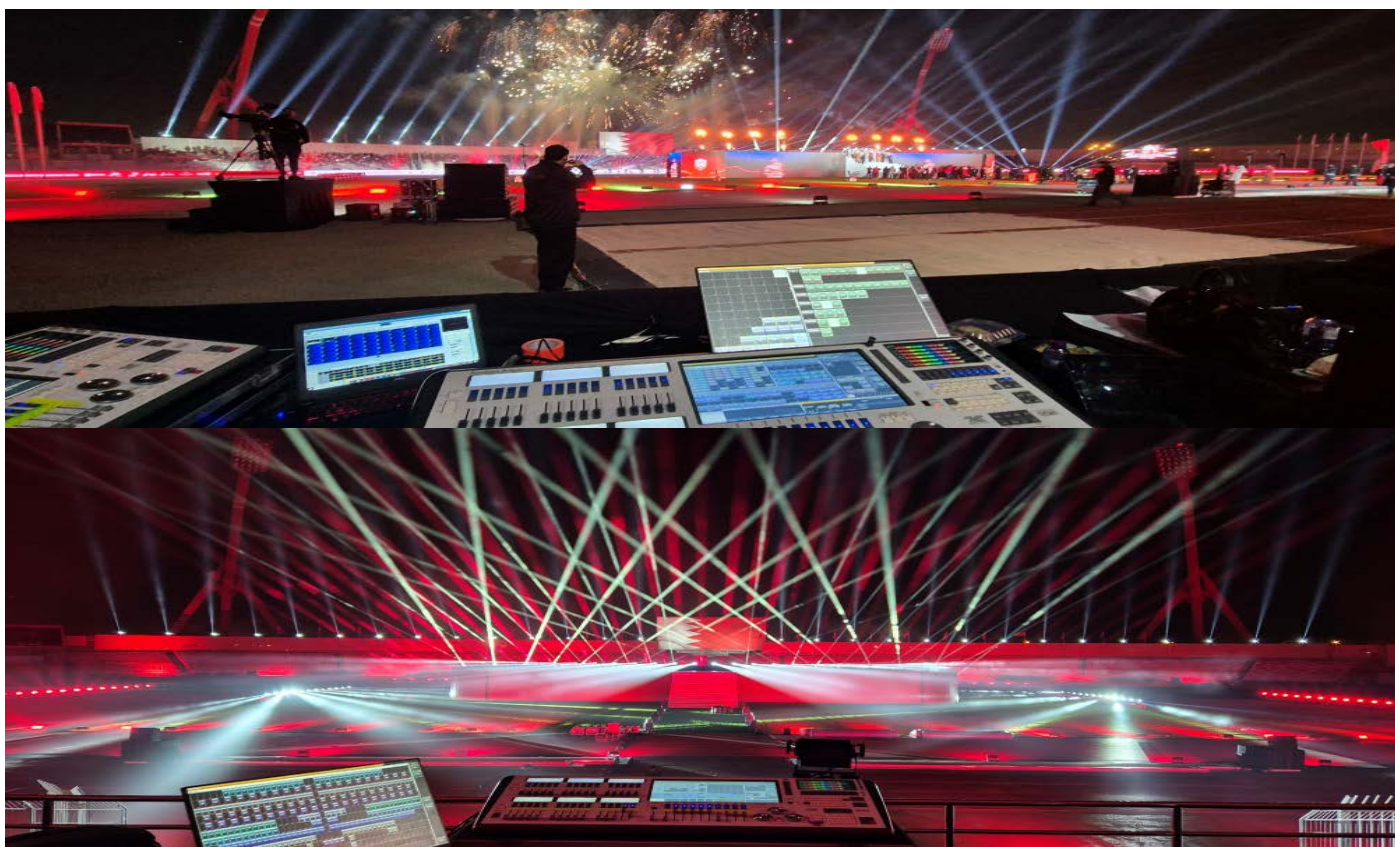
*World Table Tennis Grand Smash, Singapore.*

From dazzling beams at Bahrain's celebration of its historic Arabian Gulf Cup victory to precision lighting at the World Table Tennis Grand Smash, **Claypaky** fixtures have decisively proved their brilliance in high-energy live events. Demonstrating both power and precision, Claypaky's lighting solutions delivered stunning visuals that enhanced the live experience for spectators while ensuring broadcast-friendly illumination for millions watching at home.

At the Bahrain National Stadium, where the nation celebrated its football team's victory in the 26th Arabian Gulf Cup, a spectacular lighting display was orchestrated to match the grandeur of the occasion; with the event featuring an impressive deployment of 40 units of Skylos, 40 units of Xtylos, and 40 units of Scenius Profiles

from Claypaky. The stadium, packed with fans and dignitaries, including His Majesty the King, was transformed into a visual spectacle of beams and colours that painted the night sky in Bahrain's national red and white.

For lighting programmer and operator Alex Douglas, the event marked his first time working with Skylos, Claypaky's all-weather, laser-powered beam fixture. "Skylos was impressive; it was everything I expected from a big light," he remarked. "They were punchy and fast with a good zoom range. They also created an especially narrow beam through the deflection gobo." The Xtylos units played a key role in rendering vibrant red hues essential to the national colour scheme, ensuring that the lighting held its own even against a dramatic fireworks finale. Meanwhile,



*A spectacular lighting display was orchestrated to match the grandeur of the 26th Arabian Gulf Cup; with the event featuring an impressive deployment of 40 units of Skylos, 40 units of Xtylos, and 40 units of Scenius Profiles from Claypaky.*

the Scenius Profiles, positioned in two groups of 20 on either side of the stage, provided front and base lighting for presentations. Douglas also highlighted the durability of Claypaky's fixtures under extreme environmental conditions. "The heat of the day combined with the cold of the night in the desert makes the condensation level insane, especially in winter. The Skylos with its IP66 rating handled it perfectly, and even the IP20-rated Xtylos had zero issues."

Across the globe in Singapore, Claypaky fixtures took centre stage at the World Table Tennis Grand Smash Singapore 2025, one of the most significant events in the international table tennis calendar. With lighting at the heart of both competition and entertainment, a large deployment of Sharpy X Frames and Sharpy Washes ensured the perfect balance between precision and spectacle. The lighting team, led by Gabriel Chan and Michael Chan, was

tasked with delivering competition lighting that was bright yet soft to avoid glare for athletes, while simultaneously providing dynamic sports presentation lighting that energised the audience. For the Grand Smash, 83 units of Sharpy X Frames were strategically placed throughout the venue, serving multiple purposes. 6 units were mounted on each of four diagonal trusses as camera fill lights, while 8 units were installed on the mother truss for athlete and umpire illumination. Additional fixtures were positioned on the rear truss above the 24-metre LED screen, with 16 more on the floor and one dedicated to backlighting athletes in the tunnel. Michael Chan praised the Sharpy X Frame's performance, saying, "I love the effects we could create with the fast movements and extremely punchy X Frame, especially when I have the ability to switch between the beam and spot modes." He also noted the fixture's unique characteristics, explaining, "I think the Sharpy X Frames stand



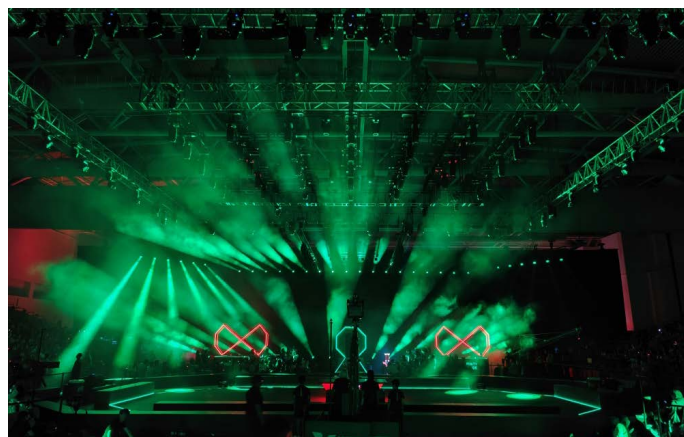
For the Grand Smash, 83 units of Sharpy X Frames were strategically placed throughout the venue, serving multiple purposes.

out in a market where all the new and upcoming fixtures are either LED or laser-based. The use of a discharge lamp creates a solid, punchy looking beam that is hard to replicate with current LED and laser technology."

Sharpy Washes, a staple in the event's lighting design since its inception, once again played a crucial role. At this year's Grand Smash, 29 units were mounted on the perimeter of the mother truss, serving as audience wash lights. "I appreciate the saturated reds, the thematic colour for the event, that the fixture is able to produce, which I use to light up audiences during competition," noted Gabriel Chan. "The result is punchy and renders well on camera yet is comfortable for audiences to sit through without it affecting their appreciation of the sport." The lighting choreography at the Grand Smash also featured five 45-second light shows per match, meticulously synchronised to music and multimedia cues. "The light shows have become a prominent and integral part of the event experience and are now a highly choreographed design with lots of cues responding to all the attacks and beats," explained Michael Chan.

The event's opening and closing ceremonies incorporated extended two-to-two-and-a-half-minute sequences, interwoven with storytelling elements to enhance the immersive experience.

Lighting vendor **MediaPix** with Frankie Yee overseeing operations, provided the fixtures, alongside crucial support from **Acoustic and Lighting System** - Claypaky's official distributor in Singapore. Meanwhile, back in Bahrain, **Showtech Productions W.L.L.** produced the stunning celebratory event, with lighting design by the company's CEO Lawrence Rodricks; reinforcing Claypaky's ability to deliver outstanding results across different event scales and conditions.



## SAUDI ARABIA

# SoundStorm Amplified

*Clair Global Powers Saudi Arabia's Largest Festival with Unmatched Audio, Comms, and IT Networks*



Coalescing a formidable fusion of cutting-edge sound, seamless connectivity, and critical show communications, globally recognized comprehensive live event solutions provider **Clair Global** has successfully delivered an unparalleled live production experience at Saudi Arabia's most prominent music festival – **SoundStorm**

Saudi Arabia's SoundStorm festival, produced by **MDLBeast**, has rapidly evolved into one of the world's largest live music events, and its 2024 edition set new benchmarks in scale and production complexity. Drawing over 450,000 attendees and 200 international artists, including headliners Eminem, Muse, and Linkin Park, the festival demanded a robust technological infrastructure to support its massive audience and multi-stage setup. Clair Global – in collaboration with group partners **Eighth Day**

**Sound**, **ATK Audiotek** and **AudioRent Clair** – delivered an intricate blend of high-performance audio, mission-critical show communications, and IT networks, reinforcing its expertise in large-scale live production.

Coordinating logistics across four time zones and deploying 150 crew members, Clair Global's team ensured every aspect of the festival's technical execution was handled with precision. Leading the audio efforts were **Stuart Wright – Clair KSA Regional Manager**, and **Owen Orzack of Eighth Day Sound**, while the IT, communications, and radio networks were managed by **Clair Data Services team members Ethan Quint and Carlos Elizondo**.

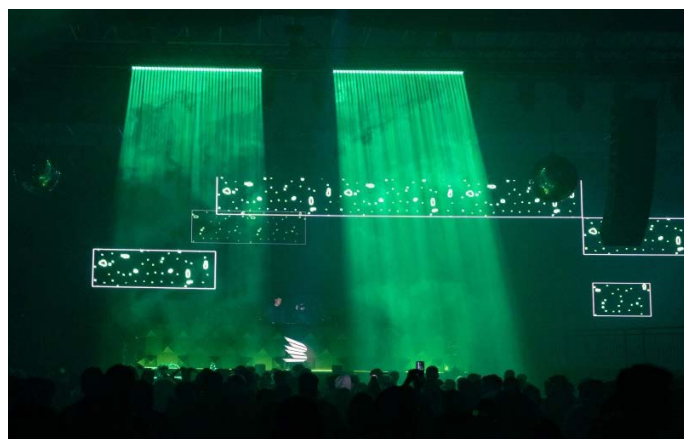
Reflecting on the monumental effort behind the production, Wright commented, "I feel proud to be a part of this team; our KSA crew



worked tirelessly for three months during pre-production. SoundStorm is an event which really demonstrates our strengths as a global company, and the teamwork that we achieve together, at this scale, is something I'm always thankful for."

Ensuring seamless communication across the vast festival grounds, Clair Global provided 135 Riedel Bolero wireless belt packs, 60 antennae, 80 smart panels, and 110 wired packs, supplemented by over 3,000 Motorola R7 two-way premium radio handsets. This extensive setup was vital in maintaining operational efficiency for production teams, security personnel, and vendors. Meanwhile, uninterrupted internet coverage was a priority, with Clair Global's Data Services team designing and deploying a comprehensive IT infrastructure. The network supported production crew, artist connectivity, security, point-of-sale transactions, RFID-based access control, and public-facing Wi-Fi.

"Our data services cover all production vendor IT needs, so the expectation is huge—everyone relies on us," explained Elizondo. The network architecture included multiple large-scale



distribution networks for audio (Dante-based emergency PA, artist feeds, VIB suites, and timecode for drone shows), video (IPTV solutions, WebRTC streaming, and NDI networks), and environmental lighting (ArtNet and sACN protocols). A redundant fibre ring featuring 576 strands, with over 100,000 feet of temporary fibre and 22,000 feet of permanent infrastructure, ensured robust connectivity across the festival site.

Clair Global also played a crucial role in designing and deploying audio solutions for SoundStorm's four underground stages. Underground Stages 2 and 4 were equipped with **Cohesion Audio**



PA systems featuring CO12 and CO10 main hangs, CP6's, and CF28's, while Underground Stages 1 and 3 were powered by **d&b audiotechnik** KSL rigs with B22 subs. Beyond these stages, the festival's exclusive VIB (Very Important Beast) experience required a more intimate yet powerful sound design. The VIB Boxes, positioned above the massive 125,000-strong crowd, were fitted with Cohesion CF24 loudspeakers to deliver a front-row auditory experience within a private luxury setting.



"We install a tiny hi-fi in every single VIB box so that fans get an L-R and a sub volume they can control. It makes a huge difference to the listening experience," noted Wright. With each suite's CF24 speakers aligned to the same axis as the main PA system, guests enjoyed an immersive sound experience despite being positioned 100 metres away from the 'Big Beast' main stage. Additional CO8 loudspeakers provided VIB deck fill.

Beyond live sound reinforcement, SoundStorm 2024 also introduced a groundbreaking multi-track mix offering for performing artists. Every stage featured an option for artists to receive a multi-track mix of their performances for direct

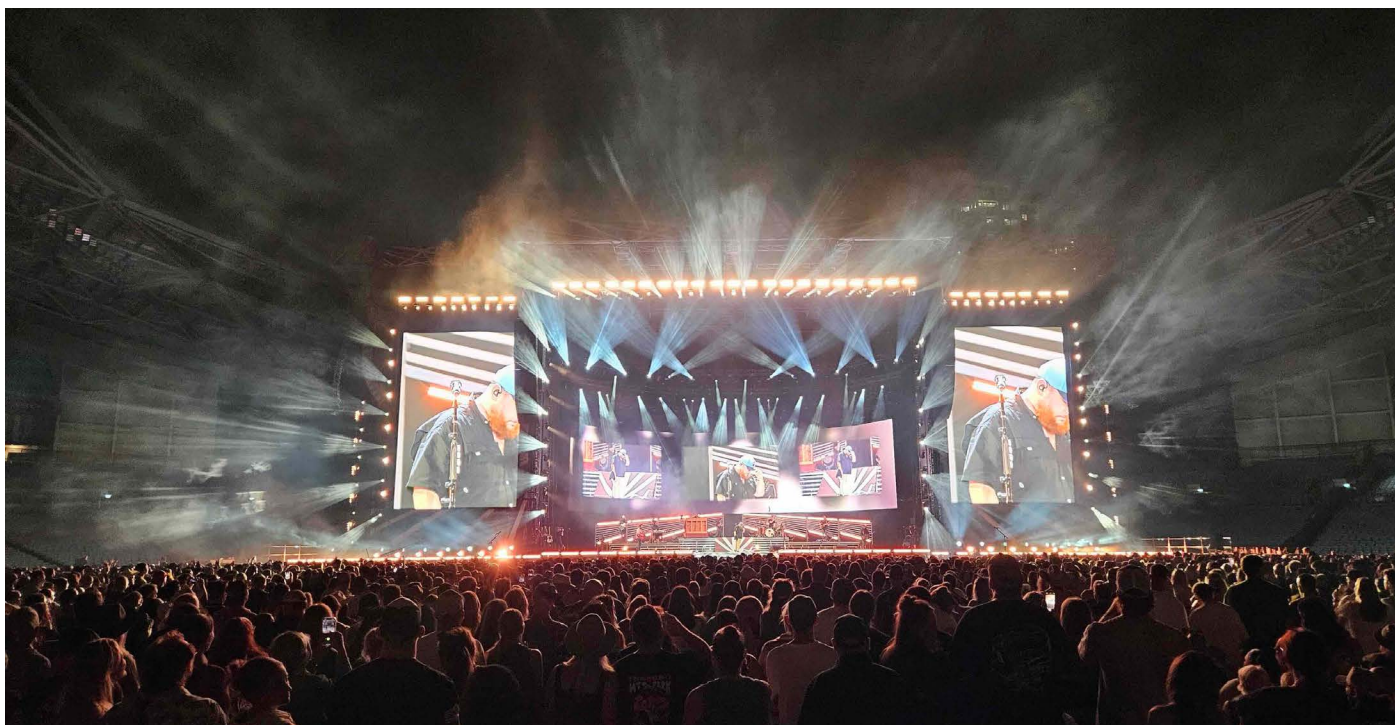
upload to YouTube, supported by five dedicated mixing suites outfitted with **DiGiCo** consoles and **Waves** rigs. "Another interesting part of our audio scope this year came in providing equipment and engineers for the artists' live multi-track mixes," Wright added.

SoundStorm 2024 underscored the significance of cohesive production expertise across multiple disciplines, with Clair Global and its partners ensuring flawless execution across audio, communications, and IT infrastructure. With MDLBeast continuing to elevate Saudi Arabia's live entertainment landscape, SoundStorm 2025—set for December 11-13—promises to push production boundaries even further.

## AUSTRALIA

# Luke Combs' Australian Tour Elevates the Visual Spectacle with Ayrton, MDG, and grandMA3

*From bold colour palettes to precision atmospheric, the country superstar's record-breaking tour featured Ayrton's powerful fixtures, MDG's hazers, and grandMA3 control systems to create an unforgettable experience.*



*For the Australian leg, Northrup opted for Ayrton Domino LT, Perseo Profiles, and Rivale Profiles to illuminate the vast stadium spaces; whereas the New Zealand leg of the tour featured a slightly modified rig, with Domino LT spots and Rivale Profiles mounted on ladders.*

Luke Combs' latest stadium tour across Australia and New Zealand set a new milestone for country music, marking the first full stadium run for a country artist in the region. With eight sold-out shows spanning Auckland, Brisbane, Sydney, and Melbourne, the production was nothing short of spectacular. At the heart of the tour's breathtaking visual experience was a meticulously curated lighting and atmospheric

package featuring **Ayrton's** cutting-edge fixtures, **MDG's** premium hazers, and **MA Lighting's** grandMA3 control consoles.

Lighting designer Kevin Northrup, who has worked with Combs since his headline arena debut in 2017, was instrumental in shaping the tour's aesthetic. The design carried forward the visual identity established by production



*Spot-light Systems supplied the lighting for the New Zealand shows, while PRG provided the rig for Australia.*

designer Ollie Metcalfe during Combs' 2023 North American stadium tour. "We knew that looked good, would work and fit the timeline we had," said Northrup. "Luke likes to do really big colour looks: He's a fan of red and white, and the stronger and more saturated the colour, the better. He plays everything from ballads to solo acoustic to heavy-hitting honky tonk, and I try to build moments and match the energy of what he's doing while never overstepping."

For the Australian leg, Northrup opted for Ayrton Domino LT, Perseo Profiles, and Rivale Profiles to illuminate the vast stadium spaces. Having previously used Ayrton's Khamsin, Zonda 9 FX, Perseo Beam, and Domino LT fixtures on Combs' North American stadium tour, he was particularly excited to debut the Rivale Profiles after seeing them at LDI. "I used the Rivalas as audience eye candy and loved them," he noted. "We had six on each of six ladders plus 20-odd on the downstage truss. Their colour mixing was an improvement over the fixtures I'd used before, and their optics were great: while not technically beam fixtures,

I liked how tight they got when I used them in narrow focus. They were way brighter than the fixtures we had previously, so they gave us extra firepower."

Above the set, two arcs of 34 units of Perseo Profiles provided multi-functional lighting solutions. "They are really versatile, and I needed that here," Northrup explained. "I used them as band downlights, audience lights, and for stage washes. I also pulled out twelve and dedicated them to rear follow spot action. Kind of a hallmark for Luke is having light from above that's like an arrow pointing to where he is onstage." Additionally, sixteen Domino LT fixtures were split between floor and overhead positions, with six acting as front-of-house spots and two serving as specials at the end of the thrust-shaped stage.

The New Zealand leg of the tour featured a slightly modified rig, with Domino LT spots and Rivale Profiles mounted on ladders. Across all venues, MDG's atmospheric effects played a crucial role in shaping the stage environment. Two MDG theONE foggers/hazers were deployed



*Across all venues, MDG's atmospheric effects played a crucial role in shaping the stage environment; while the tour's lighting control system was built around grandMA3 consoles, which was supplied by SES in the US.*

in Auckland, while six Atmosphere HO haze machines handled the Australian stadiums. "MDG theONE is my go-to hazer, but they were hard to get in quantity," said Northrup. "theONE is built well for touring and has a variable output in fog mode. I like to have a constant flowing haze and build in fog bursts with theONEs."

The tour's lighting control system was built around grandMA3 consoles, which was supplied by SES in the US. Northrup brought a full-size system and two processing units, supplemented by additional consoles once on-site. "grandMA3 has made good workflow improvements," he commented, citing Multitouch Gestures, Selection Grids, and Recipes as standout features. "It's so much easier to move around and get things looking the way you want."

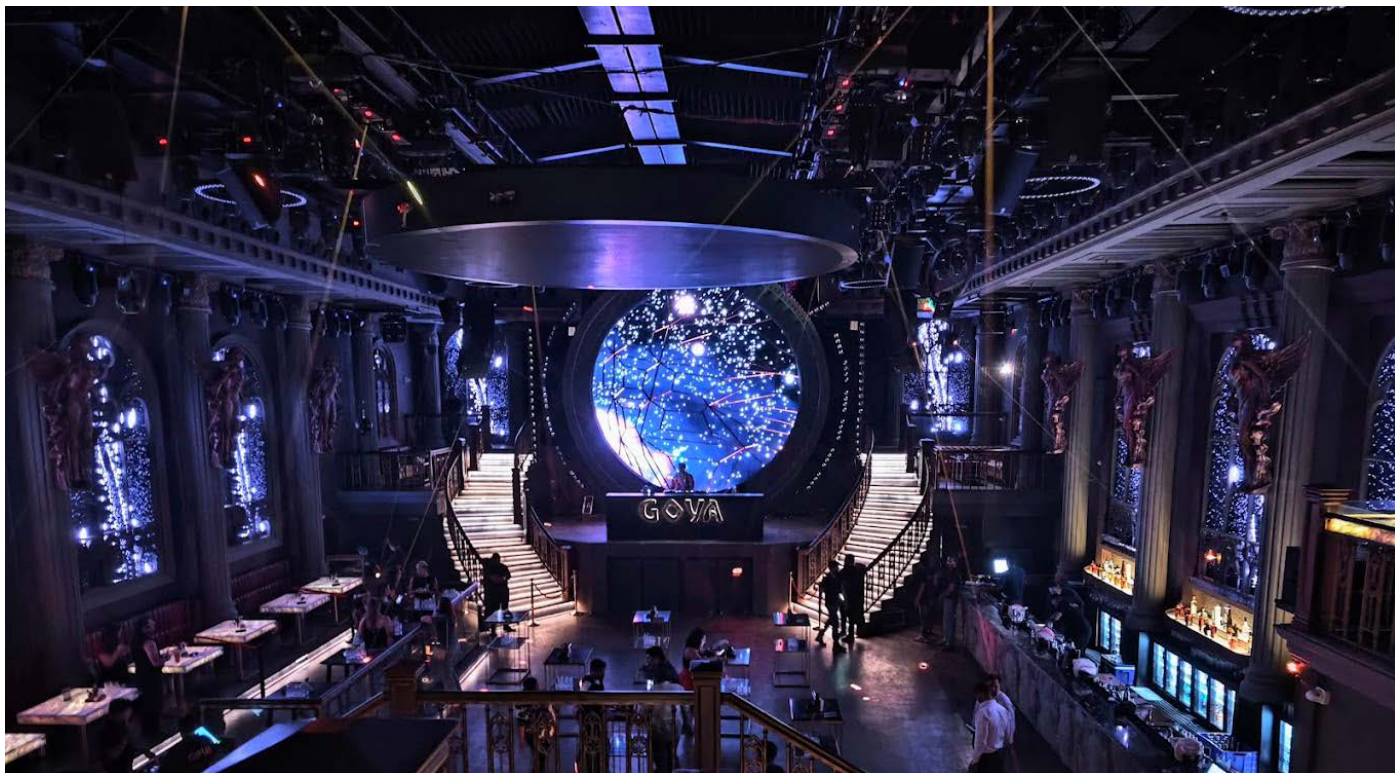
**Spot-light Systems** supplied the lighting for the New Zealand shows, while **PRG** provided the rig for Australia. Northrup praised the seamless coordination facilitated by ACT Entertainment, stating, "ACT gave us good distributor contacts before we left on tour. Things couldn't have gone better. I was immensely happy with the Ayrton fixtures, MDG atmospherics, and grandMA3 consoles."

With each stop on the tour delivering a visually stunning experience tailored to match Combs' high-energy performances, Ayrton's powerful fixtures, MDG's precise atmospherics, and grandMA3's advanced control systems proved to be the perfect combination for stadium-scale storytelling.

## INDIA

# Martin Audio on a High in India

*From Goa to Hyderabad, Martin Audio's advanced sound systems set a new benchmark for immersive club and lounge experiences.*

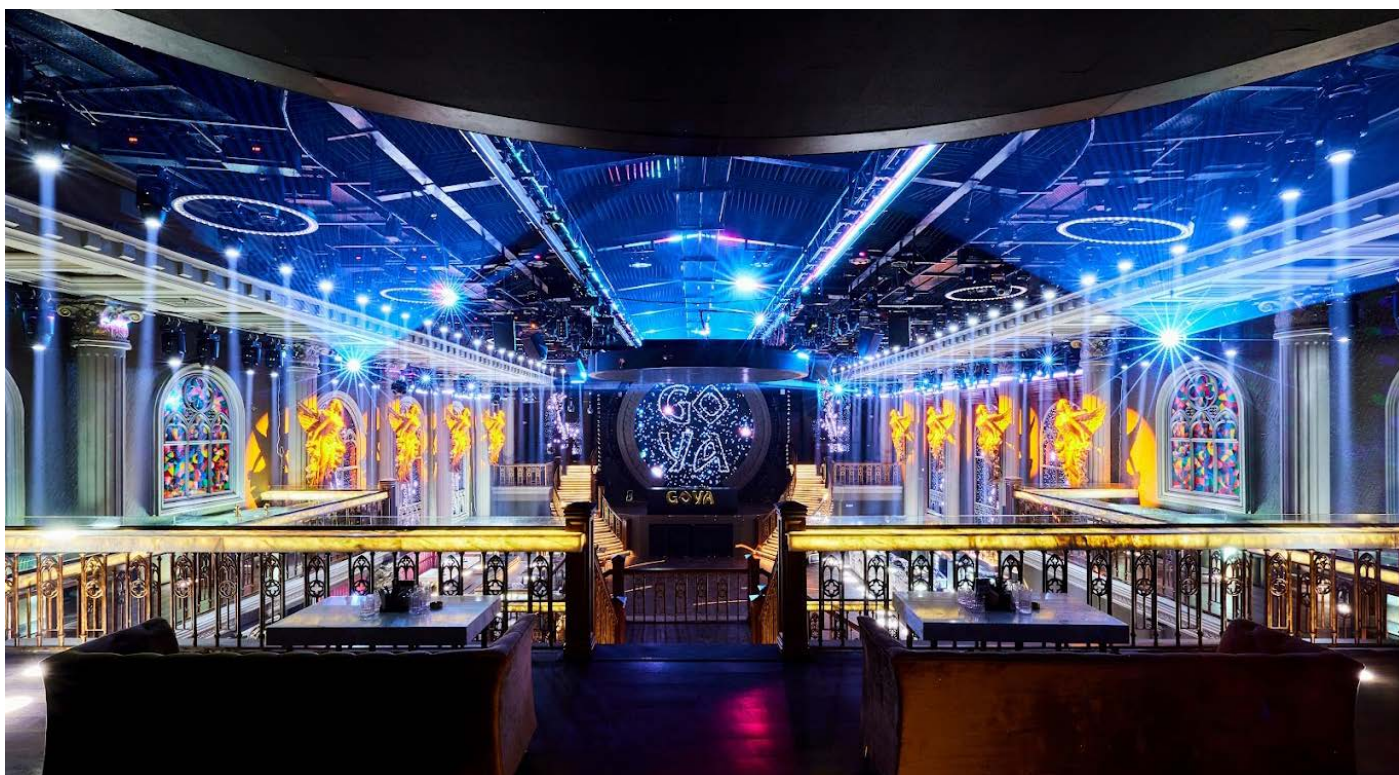


India's nightlife landscape continues to evolve with high-end venues demanding world-class sound solutions that complement their unique atmospheres. Two of the country's most exciting new venues—GOYA in Vagator, Goa, and The Beer Cartel in Hyderabad—have raised the bar with state-of-the-art **Martin Audio** sound systems. Supplied and supported by **VMT** Martin Audio's authorised distributor in India, these installations seamlessly blend power and precision, delivering an immersive experience tailored for both DJ performances and live entertainment.

First up is GOYA, a premier lounge and nightclub in Goa, is renowned for its luxurious ambience

and top-tier music programming. With a strong focus on hosting international DJs and live acts, the venue required a sound system capable of delivering deep bass, crystal-clear mids, and detailed highs while maintaining seamless integration across its dance and lounge spaces. Sound Consultant Abhimanyu Chopra of Chopra Designs informs, "The installation at GOYA perfectly balances power and precision, creating an immersive sound experience throughout the venue. The system delivers exceptional clarity and impact, ensuring that every performance and set sounds exactly as intended."

The installation team deployed Martin Audio TORUS T1215 constant curvature array

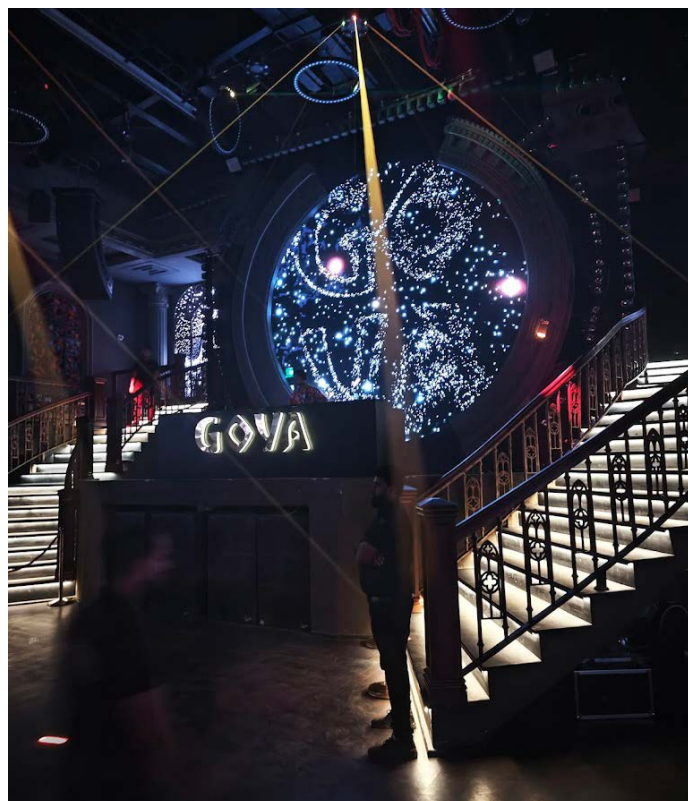


*The Martin Audio system at GOYA, comprising the TORUS T1215 and CDD series speakers, delivers deep bass, crystal-clear mids, and detailed highs while maintaining seamless integration across its dance and lounge spaces.*

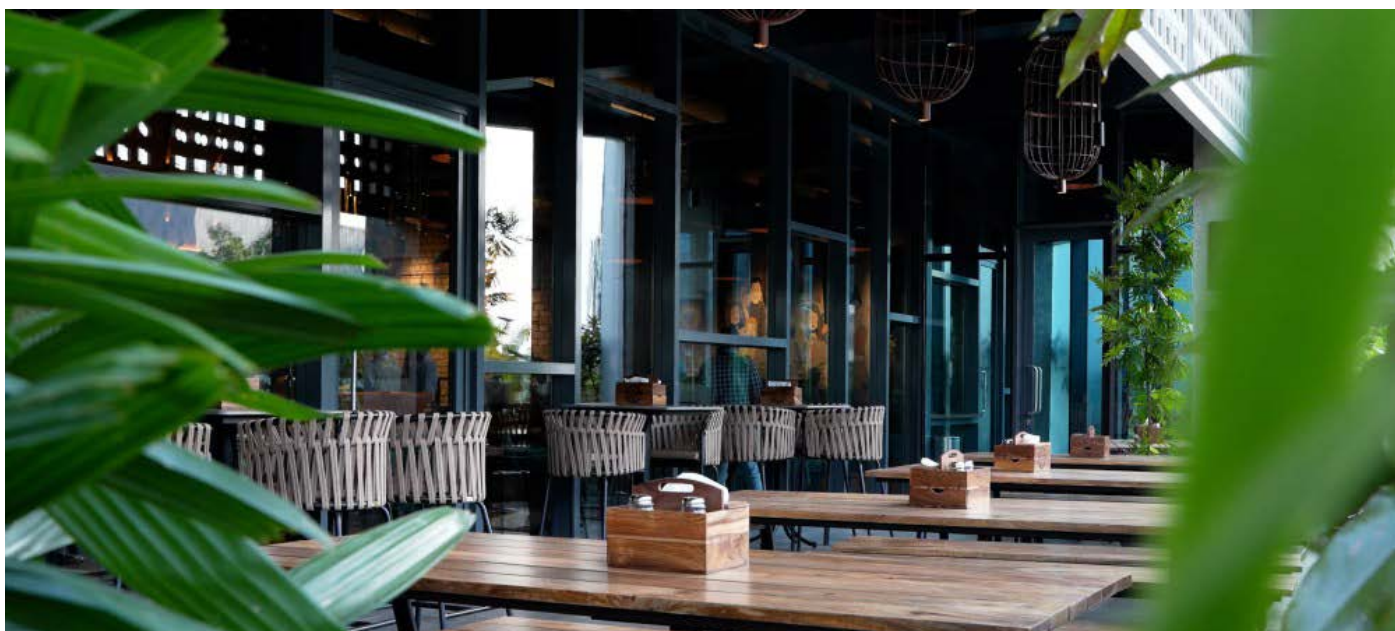
loudspeakers to ensure even sound distribution throughout the venue. Supporting these were Martin Audio CDD15 and CDD12 coaxial differential dispersion speakers, providing controlled and accurate coverage. The system is powered by the Martin Audio iK42, a four-channel 20,000W Class D amplifier, with a DX0.6 network system controller ensuring optimised processing.

“The transformation in our venue’s sound is incredible. From the dance floor to the lounge, the clarity and impact are unmatched. The new system has elevated the entire club experience, and the response from our guests has been overwhelmingly positive,” said **Rajan, Director of GOYA**.

**VMT’s Director, Jeff Mandot**, highlighted the significance of the project, stating, “GOYA’s sound system delivers an unparalleled audio experience, ensuring every beat is felt with precision and power. The installation sets a new standard for



*GOYA is a premier lounge and nightclub in Goa that is renowned for its luxurious ambience and top-tier music programming, with a strong focus on hosting international DJs and live acts.*



*At Beer Cartel, the system needed to deliver pristine mids and highs alongside deep, controlled bass; for which Martin Audio's Blackline system was chosen.*

nightlife venues. This project showcases the perfect fusion of technology and expertise."

Meanwhile in Hyderabad, the vibrant nightlife scene has welcomed a new heavyweight in entertainment with the launch of Beer Cartel, a premier club and lounge that blends gourmet dining, craft beverages, and high-energy music within a stylishly curated space. Setting the venue apart is an audio experience built around Martin Audio's renowned BlacklineX loudspeakers, ensuring both power and precision in every beat.

Situated in the heart of Hyderabad's bustling business and entertainment district, Beer Cartel caters to professionals, music lovers, and socialites seeking an immersive sonic experience. With a reputation for hosting renowned DJs and live entertainment, the venue has quickly established itself as a must-visit destination for nightlife enthusiasts.

Understanding that an exceptional sound system is integral to crafting unforgettable nights, the venue owners sought a PA solution that could seamlessly transition from background music to

high-energy club nights. The system needed to deliver pristine mids and highs alongside deep, controlled bass, catering to a diverse range of musical performances, from live acts to pulsating DJ sets.

To achieve this, the Martin Audio Blackline X15 was chosen for its superior vocal clarity, even dispersion, and robust performance. 7 units of the X15 loudspeakers have been deployed across the venue, working in tandem with three Blackline X218 subwoofers, which provide the tight, punchy low-end necessary to fuel an immersive club atmosphere.

The sound system was designed and fine-tuned by **Palagani Dushyant Reddy from White Noise**, a seasoned professional with extensive experience in Martin Audio installations. "Delivering great sound in a venue like Beer Cartel requires more than just power — it requires control, precision, and the right tuning," he remarked. "The new system has created an immersive audio environment that makes a real difference in how people experience music."



*The Martin Audio sound system at Beer Cartel was designed and fine-tuned by Palagani Dushyant Reddy from White Noise; with adept support from VMT.*



**Beer Cartel** is the brainchild of owners **Mr. Ashwanth Reddy K and Mr. Khaleel NMD**, who recognised the significance of an exceptional audio setup in crafting a standout nightlife destination. "A great club experience isn't just about great music, it's about how the music is experienced," said Mr. Khaleel. "The new sound system has enabled clear sound movement through our venue, delivering incredible depth and clarity, no matter where you stand. It creates a perfect balance between power and precision."

Echoing this sentiment, Mr. Reddy added, "Sound is a crucial element in defining the atmosphere of any lounge or club, and with this installation, we have achieved an incredible balance of power and clarity. The system delivers a rich, immersive experience that enhances every performance and keeps our guests engaged throughout the night."

## SINGAPORE

# Martin's Moonlit Magic

*Martin Professional's Exterior Wash fixtures Transforms Singapore's Night Safari with Pangolin Trail Illumination*



Singapore's world-renowned Night Safari has introduced the Pangolin Trail, a captivating extension of the Creatures of the Night experience, offering visitors an up-close look at nocturnal wildlife in their naturalistic habitats. Enhancing this extraordinary attraction is a meticulously designed lighting scheme from **Martin Professional**, implemented by lighting consultants Light Collab, ensuring a seamless integration of illumination that mimics the glow of natural moonlight.

Mandai Wildlife Group's design vision required a lighting solution that would maintain a delicate balance between visibility for guests and comfort for the animals, allowing them to remain active while appearing as they would in the wild. Light Collab, in close collaboration with the Martin

APAC team, selected 27 luminaires from Martin's Exterior Wash Family, strategically positioned throughout the Pangolin Trail to deliver the desired low-intensity glow while maintaining a naturalistic ambiance.

The project posed several unique challenges, including the need for fixture colours that blended seamlessly with the surrounding environment and the durability to withstand potential interactions with curious wildlife, such as monkeys. Integrating the lighting controls with the existing system was also a critical factor in achieving the soft, naturalistic lighting effects envisioned by Light Collab. "In this special project, we were excited to work with darkness and the visitors' adaptation and perception in a dimly lit space," said **Toh Yah Li, Consultant, Light**



**Collab.** "It was important to create a balance in such low levels of lighting to give visitors the opportunity to observe the animals behaving as they would in their natural habitats."

The carefully curated lighting design ensures that the Pangolin Trail offers a truly immersive experience. The exhibits are illuminated with colour temperatures specifically tuned to replicate moonlight, encouraging the animals to exhibit their natural behaviours while providing guests with optimal viewing conditions. A sophisticated preset lighting control system enables dynamic lighting scenes that stimulate movement and interaction among the species, enhancing the overall experience. To further elevate visitor engagement, the sheltered walkway features high colour rendering spectrum and glare-less RGBW spotlights, reducing multi-coloured shadows while preserving the natural appearance of the exhibits.

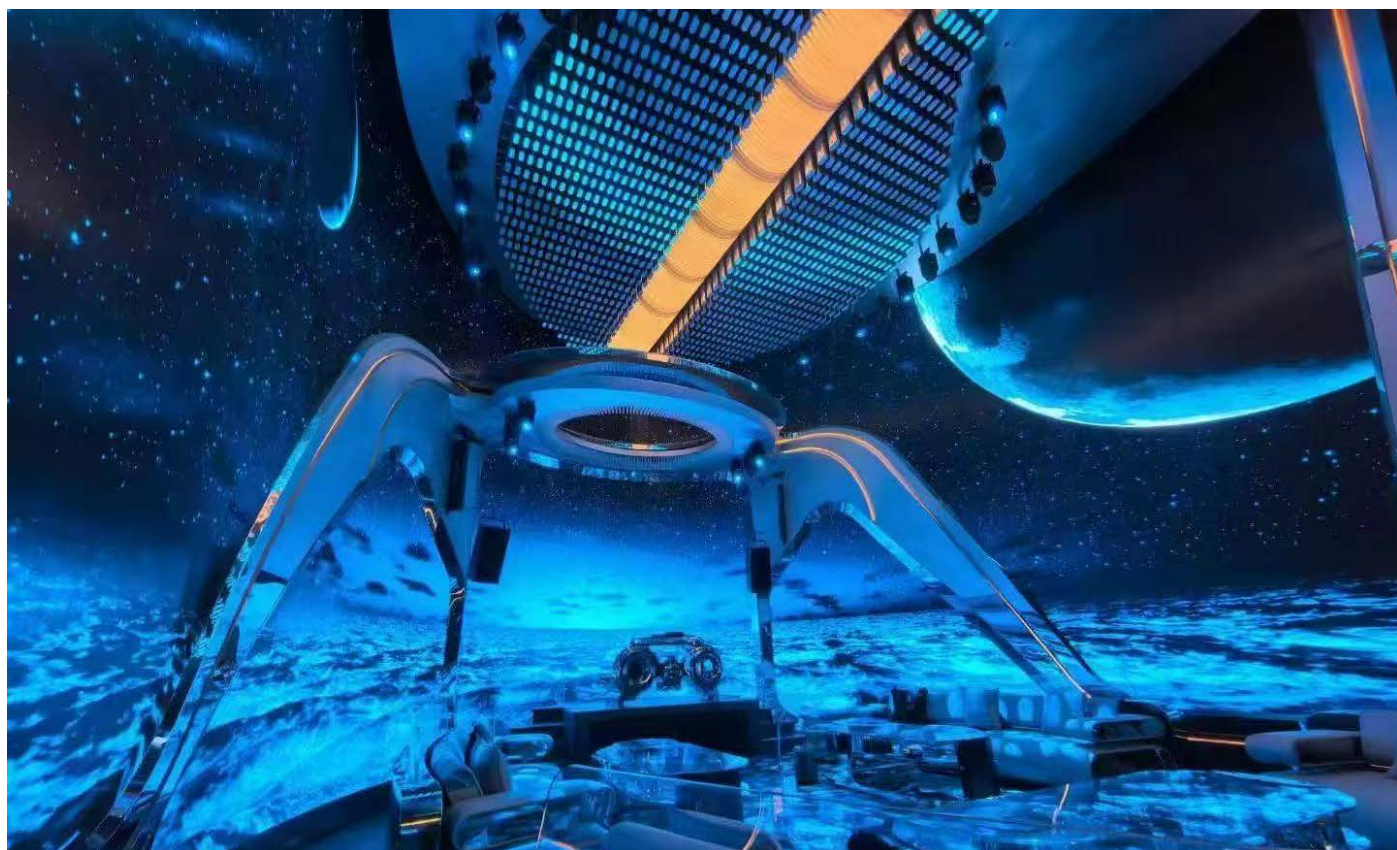
**Alvin Ang, Lighting Business Development at HARMAN Professional Solutions, APAC,** highlighted the significance of the project, stating, "The Pangolin Trail at Singapore's Night Safari exemplifies how technology and thoughtful design converge to create immersive experiences that respect and enhance natural habitats. The ongoing investment HARMAN makes in developing Martin lighting fixtures has resulted in installations that are ideal for projects such as Pangolin Trail and other entertainment attractions."

With the addition of Martin's advanced lighting solutions, the Pangolin Trail stands as a testament to how cutting-edge technology can harmoniously blend with nature, offering visitors a truly mesmerising experience while ensuring the well-being of the animals. As Mandai Wildlife Group continues to push the boundaries of experiential wildlife attractions, this latest installation reinforces Singapore Night Safari's status as a global leader in innovative zoological experiences.

## CHINA

# CODA Audio Takes Centre Stage at Hangzhou's Skyline, the World's Largest KTV and Party Complex

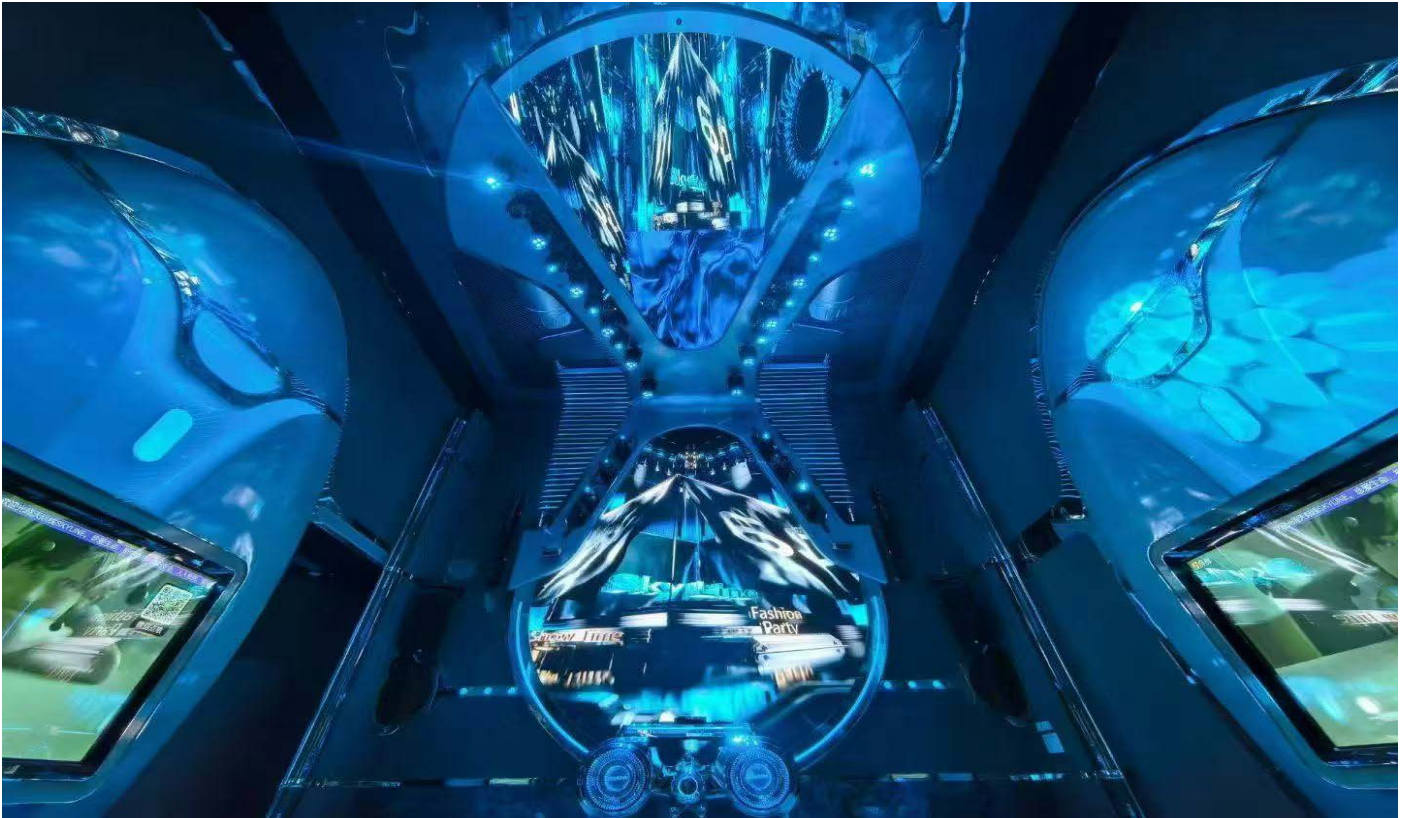
*Spanning 30,000sqm with over 600 CODA loudspeakers across 100 rooms, the newly opened Skyline in Hangzhou sets a global benchmark for high-end KTV and club sound.*



The booming Karaoke Television (KTV) industry continues to redefine nightlife, and in China, entertainment venues are pushing the boundaries of luxury and scale. Nowhere is this more evident than in the newly opened Skyline in Hangzhou, the world's largest single-party and KTV entertainment complex. Covering a staggering 30,000 square metres across four floors, Skyline is an ultra-modern destination designed to cater to both private and business

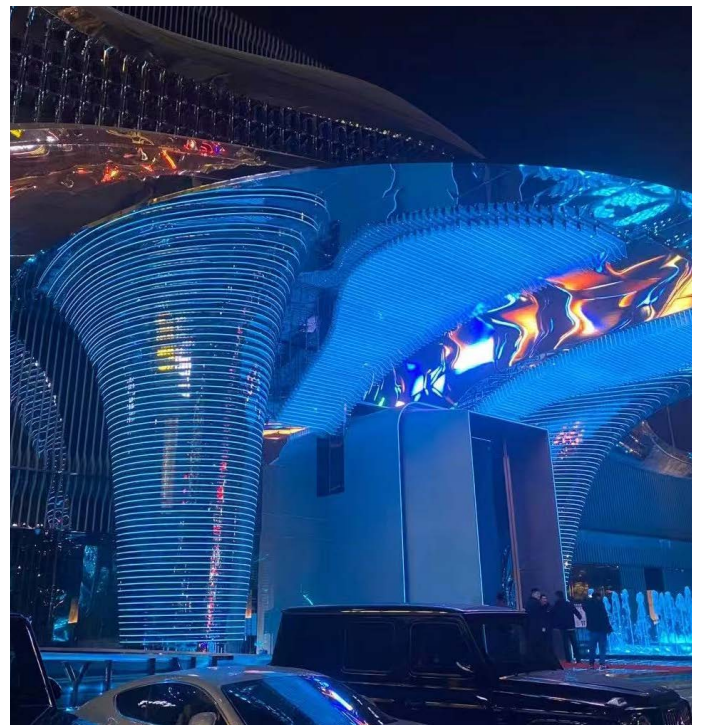
clientele, featuring a mix of high-energy DJ party rooms and premium KTV suites. Tasked with delivering pristine, high-powered sound across the entire venue, leading audio specialist **Zhejiang Tongbo Vision Technology** selected **CODA Audio** systems to meet the complex's ambitious requirements.

The installation, which began in 2022, took two years to complete, culminating in Skyline's

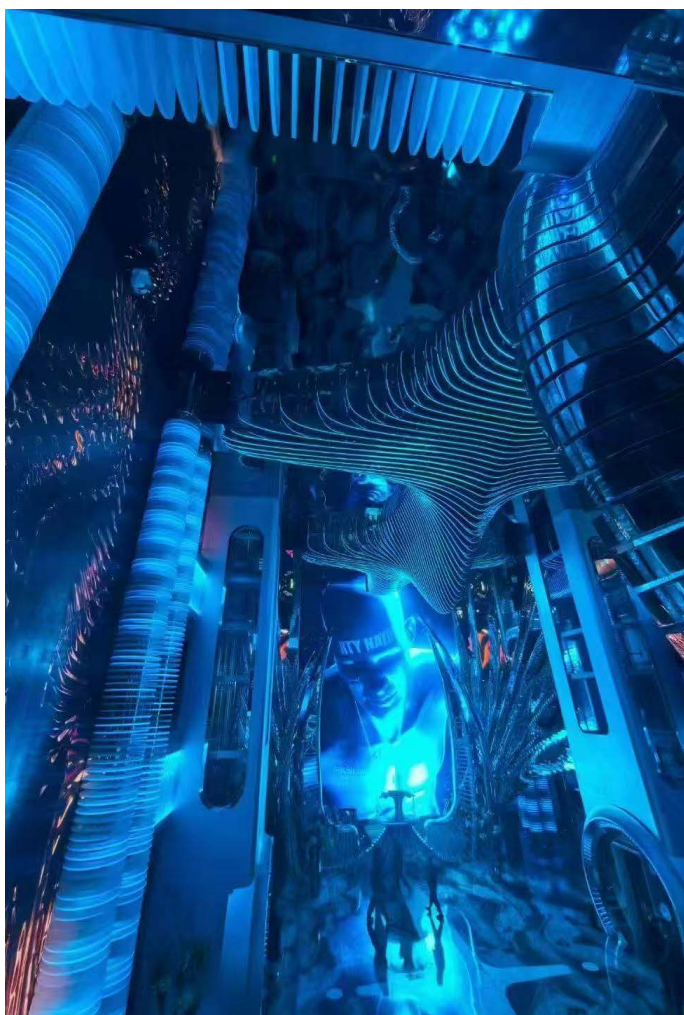


official opening in December 2024. The challenges of integrating sound across such a vast space—featuring high ceilings, diverse room configurations, and complex soundproofing requirements—demanded careful system design and precision execution. “The key features of the Skyline were its height and scale,” explained **Tongbo Project Manager Cai Baoliang**. “The installation was a complex integration of sound, light, and electrical systems which posed a number of challenges in terms of soundproofing and aesthetics. All of these were overcome by the collective efforts of our dedicated team.”

CODA Audio’s advanced loudspeaker technology was deployed throughout the venue, ensuring every space achieved optimal sound clarity and impact. The main hall, which is a high-energy space that hosts professional live DJ performances, spans 500sqm with a towering 23m ceiling. To deliver tight, punchy, and controlled sound in such a large environment, 6



units of APS (Arrayable Point Source) speakers were installed, supported by 2 units of PW418 subwoofers and powered by a single CODA Audio LINUS14 DSP amplifier.



On the first floor, ten smaller DJ party rooms, each covering 240sqm with 13m-high ceilings, were fitted with a robust system of 4 units of HOPS12i-96 high-output point source loudspeakers, 2 units of PW418 subs, and 2 units of PW118 subs. The LINUS-powered setup ensures powerful, evenly distributed sound across every corner of these dynamic spaces. The second-floor houses forty mid-sized party rooms, each approximately 80sqm with 6m ceilings, featuring 2 units of G512-Pro and 2 units of G515-Pro versatile full-range two-way loudspeakers, along with 2 units of PW118 subwoofers, providing an elevated karaoke experience.

For the third floor's fifty business KTV rooms, each approximately 50sqm with 5m ceilings, the audio configuration included 2 or 3 units of G512-Pro loudspeakers, 2 auxiliary units of G308 full-

range two-way loudspeakers, and a single PW118 subwoofer. This meticulous design ensures high-quality sound across all entertainment zones, balancing power, clarity, and immersive coverage.

"Since 2012, I've been a manager at top-tier entertainment venues in China. In every high-end entertainment venue across the country, I always see CODA Audio loudspeakers!" remarked **Skyline Executive General Manager Chen Wei**. "The CODA Audio systems at the Skyline are the most advanced I have seen in any club. Since its recent opening, both our clients and management have praised the CODA speakers very highly, and the sound quality has fully met our expectations."

**Tongbo General Manager Zhou Wenbao** echoed this sentiment, emphasising the project's significance in the entertainment industry. "Hangzhou Skyline carries significant influence as a global benchmark in the top-tier Party-K sector. A great club system should be loud and clear, immersive, expansive in coverage, smooth yet dynamic, combining power and delicacy. We understand these requirements and are always committed to innovation and driving the upgrade of industry standards. We are pleased that our partners have consistently responded that CODA Audio is the undisputed star of the party!"

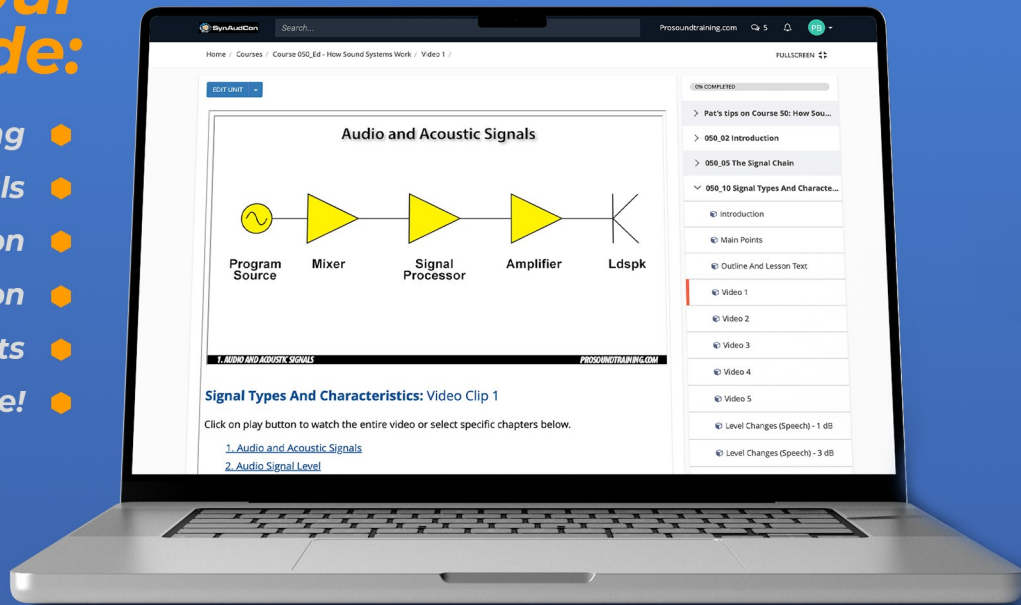
Reflecting on the scale of the installation, **CODA Audio's Global Sales and Marketing Director, David Webster**, highlighted the achievement. "Tongbo's work at the Hangzhou Skyline, where more than six hundred loudspeakers are installed into a hundred rooms, is a remarkable achievement. The scale of a task like this can't be underestimated, but once again their team has passed every test with flying colours. We're very proud that CODA Audio loudspeakers are at the centre of this development, and playing their part in delivering high-quality sound in such an amazing venue."

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