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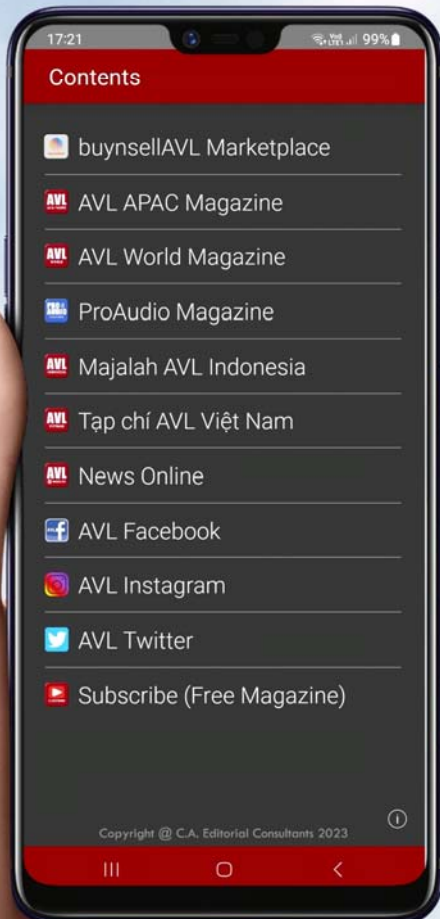
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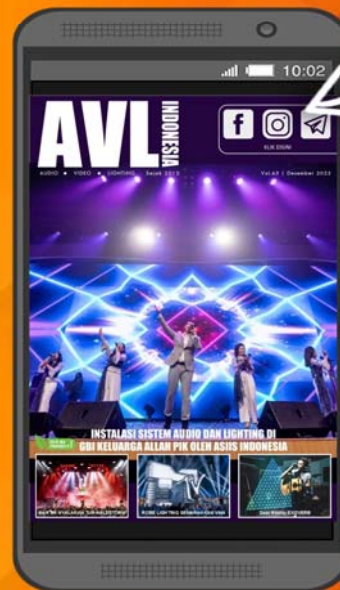
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Stage design of "Weekends with Adele" with string section in the background,

## Neumann's MCM conquers the Big Stage

**Neumann.Berlin, the legendary studio specialist, is quickly gaining traction in the live market, too. Since the release of the Miniature Clip Microphone System (MCM), more and more FOH engineers are discovering its superior sound quality and handling advantages over existing solutions.**

**Dave Bracey**  
(FOH Adele Residency show, Las Vegas)



Neumann's CEO Ralf Oehl and FOH Dave Bracey, just before the show

Weekends with Adele is the British singer's first concert residency. Held at Caesars Palace Colosseum in Las Vegas, and running from 18th November 2022 to 25th March 2023, it is certainly a classy show, both visually and sonically.

Unanimously praised by critics, the show is mixed in immersive audio.

"Audio wise, many things have changed in our quest to set a high standard in Vegas, but the most impressive leap forward is the sound of the string section," says Front of House engineer, Dave Bracey. "We have 24 strings that are hidden for the first few songs that they feature in, but their reveal is one of the first big audience gasp moments. Luckily for us the new Neumann MCM acoustic instrument mics were in production just in time for our rehearsals. The improvement in audio quality over our previous mic selection could not have been more noticeable," Bracey describes his experience to Neumann's CEO Ralf Oehl, who attended Adele's show in January.

"The warmth and detail these mics delivered produced a very accurate and natural sound with very little effort from me! The mounting system for them is excellent, as testified by the positive attitude of the players attaching them to their instruments. This is usually a tricky subject, but with the MCM clamps we keep hearing... 'oooh I like these'."

**Colin Pink**  
(FOH Hans Zimmer Live-Tour)



FOH engineer Colin Pink at his workplace

As early as April 2022, Colin Pink was among the first big name FOH engineers to try out Neumann's Miniature Clip Microphone System, when he used it on Hans Zimmer Live at Mercedes Benz Arena, Berlin, in front of 15,000. The MCM's full and smooth sound was a perfect fit for the orchestra's string section, and the players also loved the easy handling.

"The first thing you notice is the simplicity of fitting. It can be done easily with one hand and allows for great placement, and it always feels secure", states Colin Pink. "The sound is very open and smooth – like a



Molly Rogers on stage in Berlin

condenser from 30 cm. There is no harshness, and you get a great extended low frequency response. You still retain all the detail and presence, but with a more natural presentation. I was worried that this would increase the chances of ‘feedback’, but I had no experience of this. It truly is a remarkable microphone for strings.” Molly Rogers, who plays violin and viola at Hans Zimmer Live, is enthusiastic as well: “The Neumann clip system is by far the easiest I’ve ever used. I switch back and forth from violin to viola quite often on this and other tours. In the past, I’d either need multiple mic packs to take on and off or I would feel the pressure of trying to move the mic to the other instrument in time – but with the new clips, I felt so much less stress during song changes with how simple the process was!”

Based on those thoroughly positive experiences, the MCM System will now be used on the entire 2023 Hans Zimmer Live Tour.

**Marco Dellatorre / Clair Brothers**  
(FOH Andrea Bocelli Concert, Abu Dhabi)



More than 30 MCM systems were used on strings, solo cello, brass, woodwinds, and timpani at an open air concert with Andrea Bocelli at Etihad Park, Abu Dhabi. During the orchestra rehearsal, sound engineer Marco Dellatorre noticed a big difference in the quality that the MCM were delivering in the mid and low frequency range, and a decision was made to replace the previous setup with Neumann MCMs.



“We had the chance to A/B the mics, and the difference was crystal clear: we dramatically gained on details and natural sound. Right after we noticed that, we decided to increase the amount of MCMs.



We discovered a game changer: this is the way we approach our passion in music, this is the only way we think is possible to grow as professionals!” As a consequence, the onsite production company Clair Innovations (part of Clair Brothers) confirmed their decision to purchase a large number of MCM Systems for their equipment pool.

“We’re excited to bring Neumann sound to the stage!” rejoices Portfolio Manager Stephan Mauer. “Within the past decade, live sound has undergone an enormous transformation. Audiences have come to expect more than just a concert: an experience that unites them with their favorite artist. For this to happen, live sound must be as perfect as in the studio – even though conditions are far from ideal! That’s where the MCM shines: It offers true Neumann sound in a visually unobtrusive format that does not distract from the performance.”



MCMs on the timpani waiting for the concert to start at Etihad Park, Abu Dhabi

[www.neumann.com](http://www.neumann.com)



Left to right: Lighting technician Asbjorn Hemmingsen, project manager Ben Cooper, workshop manager Mike Skinner and head of lighting production, Matthew Tong

## Robe in the Spot-Light

**Auckland based Spot-Light Systems – now part of the NEP Live Group – is among New Zealand’s leading lighting live show and event rental companies, and one that has continued to invest in Robe moving lights as the country emerged from the pandemic, adding 24 x MegaPointes, 12 x Tarrantulas to their existing fleets, and for the first time, 20 x ESPRITES joined the inventory.**

While New Zealand managed – via strict quarantine and travel restrictions – to keep Covid cases to a minimum, full-scale and capacity shows and live events did not properly re-start until several months into 2022, when things became crazy busy, related Spot-Light Systems’ head of lighting, Matt Tong, and this is what drove these latest Robe purchases.

With nearly 400 Robe moving lights already onboard, Spotlight Systems returned to a brand they know and trust for a multipurpose LED profile type fixture, settling on the ESPRITES

to join the mix of Robe BMFL Spots, BMFL Blades, MegaPointes, Tarrantulas, LEDWash 600s and LEDBeam 100s and 150s. It is currently the largest concentration of Robe moving lights in the country. “Robe is ubiquitous in New Zealand and elsewhere, so that offers great value for money, firstly for servicing our own shows then as a cross rental item when available,” stated Matt, adding that their Robe luminaires have been constantly busy. “All the Robe products are worked hard and offer great performance, and everyone is happy to use them,” he said.

The ESPRITES were ordered quite soon after the acquisition of Spot-Light Systems by NEP Live. The mother company also owns broadcast lighting and video rental specialist, Big Picture, which, conveniently for continuity, also has Robe moving lights in stock. The brand has a strong presence in New Zealand thanks to the proactivity of distributor Jands New Zealand. “We needed a general purpose ‘workhorse’ LED moving light that was bright, quiet,

had great colour mixing and was lightweight,” Matt notes, expecting the ESPRITES to become a signature fixture type, just as 700 series moving lights did during their era.

They did however conduct a shootout with selected competitor products before fully committing. Beam uniformity and the overall quality of light were also factors in the choice, “ESPRITE basically ticked all our ‘essential’ boxes and more, like Ethernet connectivity, framing shutters and a good menu system that’s straightforward for technicians to set up plus many other refinements.”

The benefits of Robe’s TE (TRANSFERABLE ENGINE) technology, allowing different or new LED engines to be swapped in and out the fixtures in less than 5 minutes to cover different applications, were also of interest.

[www.robe.cz](http://www.robe.cz)



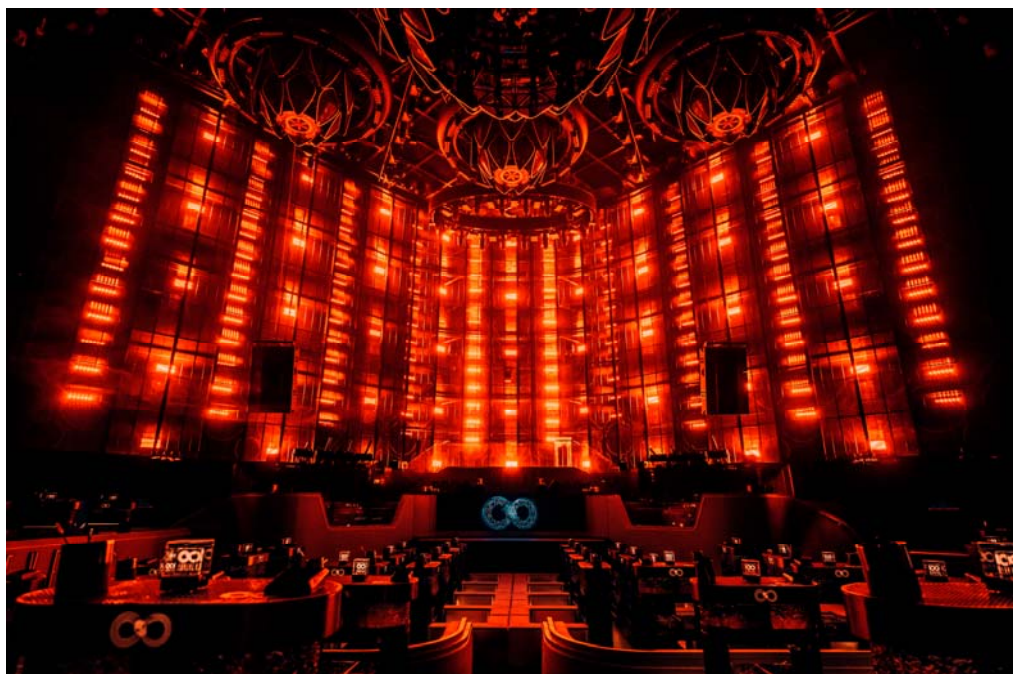
## FOREVER sounds like paradise with KV2 Audio in Wuhan

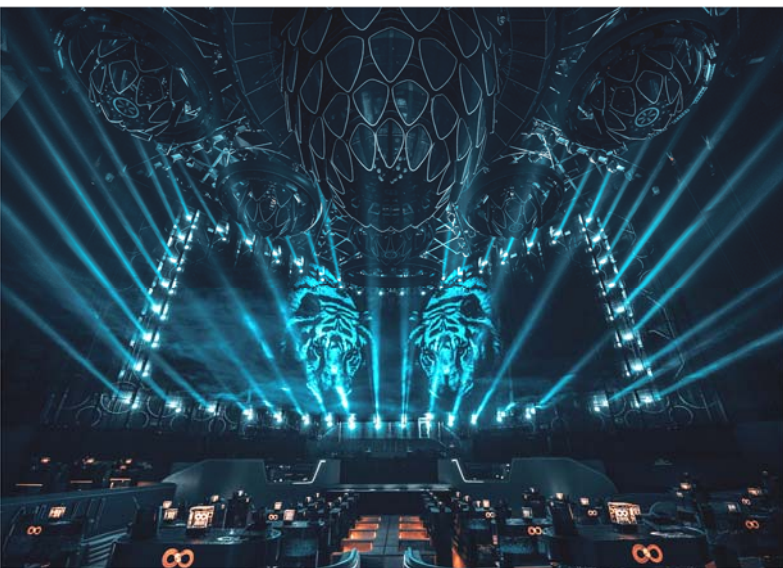
A spectacular opening night in November heralded the launch of the FOREVER Club in Wuhan, China's biggest nightclub project in 2022. Situated in the Xintiandi business district of Wuhan, FOREVER uses fashion, art and music to create a new entertainment landmark. In keeping with the rest of the ultra-high-class décor and astonishing ceiling creations, FOREVER has also invested in a state-of-the-art audio system, the flagship VHD5 from KV2 Audio. This marks the second VHD5 installation in a Chinese nightclub, the first being at TAXX II in Shanghai in 2021.

Financed by Chinese entertainment giant, Noah's Ark Group, FOREVER Wuhan is a 5,000-square-meter venue consisting of three main areas: the principal 2000-capacity 'House Style' hall, a smaller 'HipHop' area, and several private KTV rooms. The main hall contains some breath-taking trussing structures, sophisticated

lighting and 3D effects as well as the ultra-powerful KV2 VHD5 system which was specified, designed and installed by Guangzhou Idee International Sound System Co., Ltd. (IDEE) part of KV2's Chinese distributor AVMedia.

"As with everything else in the FOREVER club, the investors wanted a sound system that was out of the ordinary – something that would create an experience never to be forgotten," says AVMedia's Mr Tony.





“Noah’s Ark were already familiar with KV2 as they’d previously replaced systems from other extremely well-known audio brands with KV2 in five of their other nightspots around China, as the other systems simply didn’t live up to their expectations. When I suggested the flagship VHD5 for FOREVER, they didn’t hesitate.”

Mr Tony specified a L/R system comprising a VHD5.0 mid/hi and a VHD8.10 low/mid element per side with two VHD2.0 frontfills. 16 x ESD12 2-way full range loudspeakers (known as TIME12 in China) act as a fill system for the numerous private booths and VIP areas, while 50 x ESD1.18 subwoofers provide powerful sub bass reinforcement. 24 of the 50 subwoofers cover the 16m in front of the DJ booth, with eight subs built into the front of the booth itself and eight subs flown per side. The remaining 26 units are built into seating booths distributed

across the back of the room. Power, processing and control for the VHD systems are supplied by dedicated VHD power units, VHD5000, VHD5000S and VHD2000 respectively. Finally, a pair of powerful ESM312 monitors act as DJ monitors.

Audio for the (much) smaller HipHop room – just 150 capacity – is provided by a pair of ESM312s, a pair of TIME12s and twelve ESD1.18 subs. “What never fails to impress with KV2, and in particular the VHD systems, is the ability to cover such vast areas with so few boxes, yet the clarity and precision wherever you are in the room is simply unrivalled,” enthuses Mr Tony. “FOREVER aims to impress at every level – visually, aesthetically, and



VHD5.0 Mid Hi Module

sonically – it is certainly right up there with TAXX II as one of the world’s superclubs. We’re very proud to be part of the FOREVER experience.”

[www.kv2audio.com](http://www.kv2audio.com)



## TSM co-organise CHAUVET Open Day in Singapore

With renewed energy, Total Solution Marketing Pte Ltd (TSM) welcomed industry partners as the Chauvet Open Day on 5 April 2023 in Singapore. For the US-based team from Chauvet, this is the first time after years of strict Covid restrictions, could they finally come in person and meet with their partner companies in Singapore and the region. For the guests this event proved to be a valuable opportunity to update their technical knowledge skills and gather with peers from the region.

The event was attended by AV partners of TSM including owners of rental companies, leading system integrators, AV managers of venues, and lighting practitioners in the country. Opening with a welcome speech by Stéphane Gressier - Global International Sales Director at Chauvet - he started his presentation with introducing the company's Global APAC Team which



Left to right: Glenn Wong, Managing Director at Total Solution Marketing (TSM), Henry Ang, owner of Showtec Group, and Stéphane Gressier, Global International Sales Director, CHAUVET

includes Desmond Kwan and Jeffrey Ong who are both based in Singapore. Gressier highlighted the company's growth since its inception, before focusing on the latest technologies from Chauvet's growing brands and

product lines. Finally, he shared project case studies and technical references, highlighting the work of lighting designers and system integrators using Chauvet Professional products in various deployments around the world.







"We are pleased to co-organise the open day with Chauvet," said Glenn Wong of Total Solution Marketing. "Since Chauvet is doing their Asia Distributor Meeting on the day before this event, we thought that it is a good idea to also showcase the new products. As Singapore has truly opened up, it was great to see so many familiar faces from the industry at this event. It allowed us to show our best selling CHAUVET Professional solutions such as the Ovation, Maverick, Rogue, ColoRado, Well, Strike and Storm fixtures and of course, network," concluded Glenn.



Guests wholly agreed that it was a fantastic feeling to meet and network in a physical group setting, not to mention to have actual hands on with the new products that were introduced and demoed during this event. Rounding off the day, guests were invited to a dinner and observe a shootout demo of the latest fixtures from CHAUVET Professional at the outdoor venue.

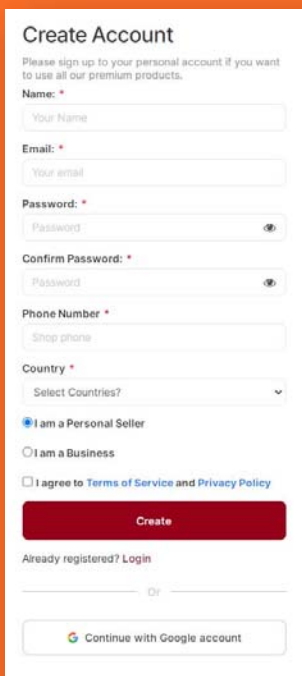


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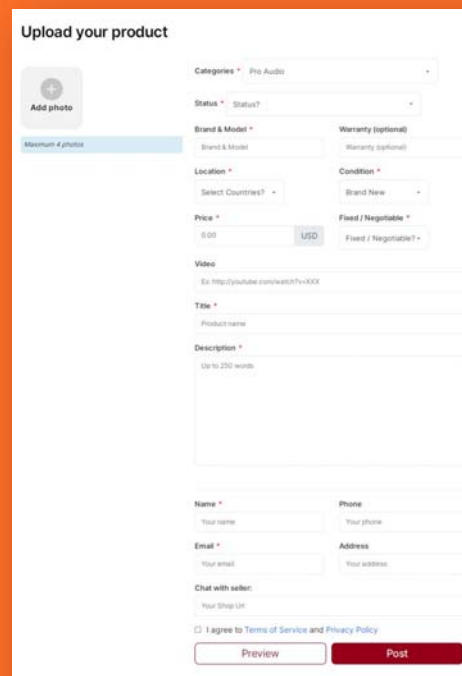
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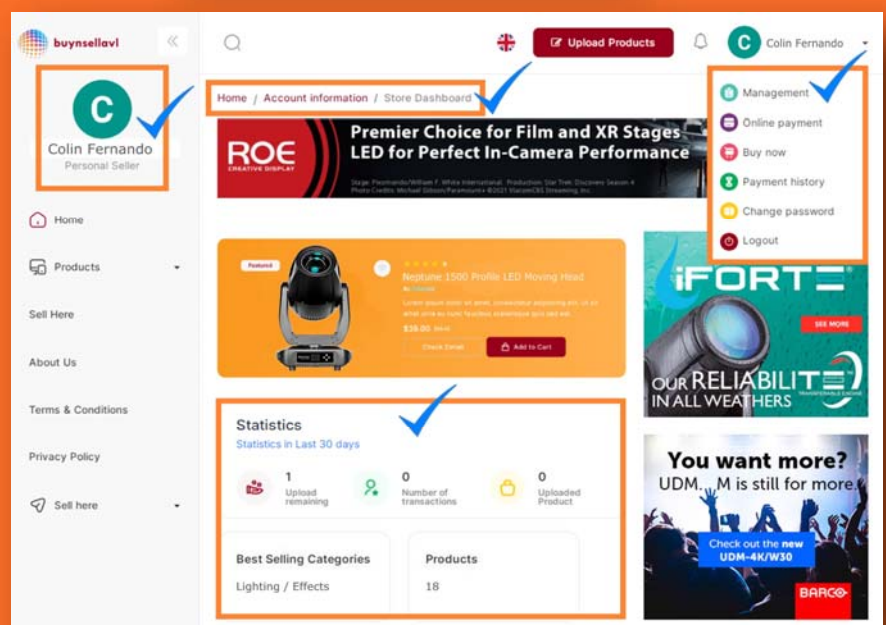
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## Electronics & Engineering introduces the ultimate sound solution to Singapore's leading audio minds

**It was an exiting afternoon of networking when the country's leading audio minds came together to experience the latest in audio technology and to be the first in Singapore to experience the exceptional sound quality, and the versatility of the JBL SRX900 Series of powered line arrays.**

Hosted by Electronics & Engineering Pte Ltd (E&E), the event took place on 12th April 2023 in Singapore. E&E is one of the region's top AV systems integrator and is the appointed distributor for HARMAN Professional Solution products in Singapore.

Presented by Rodney Houston, Senior Director of Sales, Entertainment, APAC, Professional Solutions at Harman International, the live demo covered the high-performance, scalable powered line array elements and subwoofers that make up the SRX900 Series which offer pro-sound reinforcement technologies. The range, which includes dual 6.5-inch (SRX906LA) and dual 10-inch (SRX910LA) powered line array elements and 18-inch (SRX918S) and dual 18-inch (SRX928S) powered subwoofers, is designed for both rental companies and fixed installations.

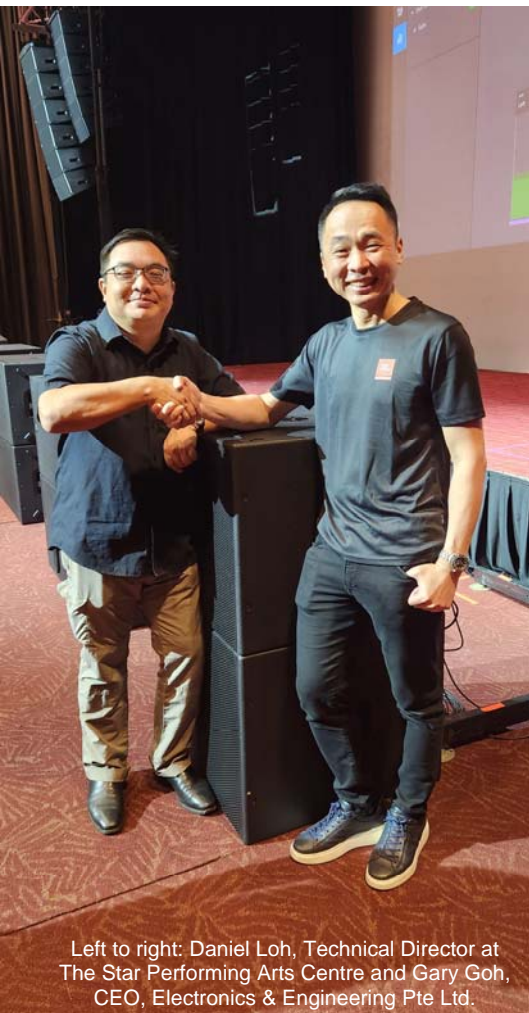
The SRX900 Series' feature a number of familiar JBL technologies, including custom-engineered, high-power-handling transducers and precision waveguides, for accurate pattern control. Installers can call on user-configurable DSP and design-and-management software tools to provide hands-on control from a computer or mobile device, while SRX900's cabinet architecture is engineered for easy handling, fast rigging, minimal space displacement and easy transport.

Not only are they active, but all four SRX900 models feature built-in DSP

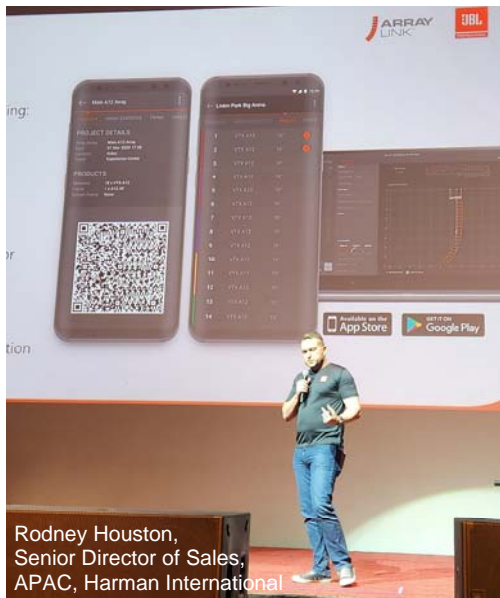
that provides everything users need to optimise and tune their systems, including 24-band parametric EQ, 2,000ms of delay and gain control.

The feature that people found most interesting is that the SRX900 Series supports Harman's new HControl Ethernet protocol, which reduces network traffic load and removes the need for complex IP addresses. Users simply set a numerical value to each device for easy identification, and with two switched network ports it offers simplified networking for daisy-chaining.





Left to right: Daniel Loh, Technical Director at The Star Performing Arts Centre and Gary Goh, CEO, Electronics & Engineering Pte Ltd.



Rodney Houston, Senior Director of Sales, APAC, Harman International



The teams from E&E and Harman International would like to thank all their partners and guests who joined them for the afternoon to experience the latest in audio technology.

[www.enepl.com.sg](http://www.enepl.com.sg)

[www.jblpro.com](http://www.jblpro.com)

[www.pro.harman.com](http://www.pro.harman.com)

*"We're really excited that we were able showcase this new range of line-arrays as they fit in really well with our market. The turnout was fantastic and the SRX900 was unsurprisingly very well received!" said Gary Goh, CEO of Electronics & Engineering*



## Ayrton appoints MQ Lightings as new exclusive distributor for the Philippines

**Ayrton is delighted to announce the appointment of MQ Lightings as its new, exclusive distributor for the Philippines.**

Established in 1987, MQ Group (popularly known as MQ Lightings) serves as the official distributor, and systems integrator, for over 40 global brands of photographic, video, broadcast/livestream, and stage equipment for the Philippine media and entertainment industry.

MQ Lightings supplies customers with world class cutting-edge, professional equipment and services and is committed to meeting the high standards of lighting designers and consultants, film-makers, cinematographers, DOP's, broadcast engineers and other professionals in the industry.

MQ Lightings' product and marketing manager, Christian Ong, explains why they were keen to stock Ayrton products: "Ayrton is a very reputable brand, well-known by industry professionals and offers an extremely

wide range of luminaires that cater to both small and large scale projects. The products fit our target market, and the projects that we work on, very well, including, theatre, auditoriums, broadcast studios and houses of worship."

Domino Wash IP65



With immediate effect, MQ Lightings will distribute and support Ayrton's entire product line across the Philippines. "We intend to develop the Ayrton brand with open house demos, private demos and roadshows and will be very active with our social media marketing," says Ong. "We feel the Ayrton products, with their very diverse range and versatility, will help to fill a significant role in our stage lighting projects, and in particular the weatherproof options."

"Ayrton is delighted to welcome MQ Lightings to the Ayrton network as our exclusive distributor for this very important market, and to work with a company that takes such great pride in bringing in the latest equipment and technology to its customers," says Ayrton's Vijay Thaygarajoo. "We look forward to developing our dynamic new partnership."

[www.mqgroup.com.ph](http://www.mqgroup.com.ph)

[www.ayrton.eu](http://www.ayrton.eu)



## ROE Visual prepares for global expansion with new location

**ROE Visual has moved its LED production and production-related departments to the Unilumin Daya Bay Technology Park in Huizhou, China. The new location was officially inaugurated on March 30, 2023, with a festive and memorable celebration for the ROE Visual team. This upgraded production hub will enhance efficiency, allowing room for growth as the company expands.**

With the completion of the Daya Bay Technology Park facility, the Unilumin Group now has the world's largest intelligent manufacturing site for LED displays. ROE Visual's independent new factory and office base spans over 16,000 sqm of office and manufacturing space. ROE now has access to various facilities, such as a reception, lobby, production lines, showrooms, conference rooms, and office spaces, all spread over seven spacious floors.

ROE Visual's founder Jason Lu, flanked by members of the executive team, proceeded to the ribbon-cutting ceremony where the team expressed their heartfelt pride and high expectations for the future.

ROE Visual's brand-new facilities enable a significant leap in the overall production capacity allowing the company to amply meet current and future production targets while creating room for a growing market





share. The new facility was developed based on strict sustainability principles and responsible entrepreneurship.

The inauguration of this new facility is another milestone for ROE Visual. "Opening this factory marks an important step toward the future. Not only are we assured of room to

grow, but we can also further improve our R&D and production processes. Innovation and the use of advanced technology always have been the basis for our success, and it's wonderful to see how the move to these new premises causes such positivity, enthusiasm, and lots of ideas in our team," states Lu, Founder and General

Manager at ROE Visual. "With the headroom, we now have in our production lines, the new facility will allow us to respond to our customers' demands even better, leaving room for growth. We are true to our philosophy and goals - meeting customers' expectations and creating the ultimate visual experience through our LED solutions. As we approach ROE Visual's 20th anniversary, our ambition is as strong as it was at the beginning; making unrivaled LED panels".

The ROE team, accompanied by the virtual presence of the team members of the various subsidiary offices, celebrated the relocation in style with a traditional lion dance. The lion dance is performed to call forth fortune and new possibilities for a happy and prosperous atmosphere. Taking ownership of these grand new facilities, ROE Visual is ready to embrace a future full of opportunities!



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[www.roevisual.com](http://www.roevisual.com)



## Bosch Security & Safety Systems hosts another successful Partners Meet 2023 in Singapore

On March 24 at the Ramada hotel, Bosch Security & Safety Systems hosted a successful Bosch Partners Meet event. Our partners' engagement with the Singapore team is fantastic after a long break from virtual meetings. The sessions focused on business and organisational updates, with updates from Business Units – Security and Communications.

The Business Unit Communications covered the most recent technological advancements in pro sound, public address, and conference systems. Details on the product demonstrations include the hybrid meeting functionality on the DICENTIS Conference System and a specially developed 10-inch Delegate touchscreen. An OMNEO transmitter has been added to the DICENTIS system.

For pro sound, the EVERSE 8 and EVOLVE 50 battery-powered column speaker systems, as well as the latest Dynacord V600:4 four-channel amplifier, were also on display. There was also a listening demonstration of the EVC-1082, EVC-1122, and ZX1i speakers in 4-Ohm and 100-volt line mode with and without subwoofers.







The PRAESENSA PA system has the ability to override the sound live systems, broadcasting pre-recorded messages, live announcements, or emergency alerts to both Bosch PA and Electro-Voice speakers under the Public Address segment. The PXI-Core and PRAESIDEO/ PRAESENSA integration are also

demonstrated, together with the newly launched IP Horn speaker.

The event concludes with a networking dinner and a performance by local singing duo – Jack & Rai. With Electro-Voice’s EVERSE 8 and microphones, the partners had a lovely evening with good food and music.

[www.boschsecurity.com/sg/en/](http://www.boschsecurity.com/sg/en/)  
[www.electrovoice.com](http://www.electrovoice.com)  
[www.dynacord.com](http://www.dynacord.com)

## Sennheiser and Neumann recognized at 38th Annual NAMM TEC Awards

Sennheiser and Neumann were both recognized for Outstanding Technical Achievement during the 38th Annual NAMM TEC Awards, held on April 13 at the Anaheim Convention Center in California. Sennheiser's XS Wireless IEM monitoring system captured a TEC Award in the category of Wireless Technology, while Neumann's NDH 30 headphone received top honors in the Headphone/Earpiece Technology category.

"The Sennheiser Group is grateful to have been recognized once again by NAMM for Outstanding Technical Achievement," commented Greg Beebe, Executive Vice-President, Professional Audio, at Sennheiser.

Ralf Oehl, CEO of Neumann.Berlin, added: "The relentless innovation across each of our brands helps our customers around the world achieve their artistic goals, both in live performance and recording spheres."

Now in its 38th year, the TEC Awards are widely regarded as the highest honor dedicated to the pro audio and sound recording industry, recognizing outstanding performance by the individuals, companies and technical innovations behind the sound of recordings, live performances, films, television, video games and multimedia.

Sennheiser's XS Wireless IEM monitoring system, winner in the Wireless Technology category, was designed for the rigors of the small stage. The product features a reliable, comprehensive design, and operates in the professional-grade UHF range using pre-defined frequency banks.

Advanced features such as integrated equalization, a limiter, and focus mode, along with a rack mount kit, deliver both value and performance in a high-quality, durable package.



Sennheiser and Neumann were both recognized for Outstanding Technical Achievement during the 38th Annual NAMM TEC Awards (Photo credit: Jeff Touzeau)

Sennheiser XSW IEM system



Neumann NDH 30 open-back studio headphone

Meanwhile, the Neumann NDH 30, winner of the Headphone/Earpiece category, is a reference-class, open back studio headphone for the most demanding mixing and mastering applications in both stereo and immersive formats. The NDH 30 reproduces the linear sound image of a Neumann loudspeaker setup, perfectly calibrated via MA 1 Automatic Monitor Alignment, in a portable format. The NDH 30 features extremely low harmonic distortion and has a remarkably even response across the entire audio spectrum.

[www.sennheiser.com](http://www.sennheiser.com)

[www.neumann.com](http://www.neumann.com)

# Absen

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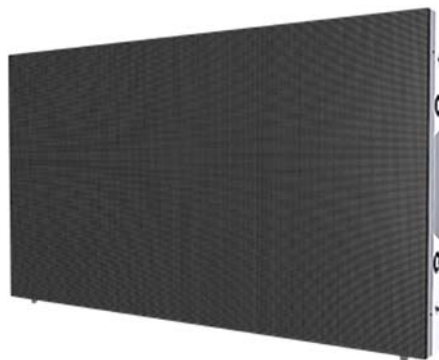
**THINK GLOBAL, ACT GLOBAL**

## Absen joins GPA's Global Partner Program

**GPA, the world's largest AV systems integrator, is thrilled to announce Absen has joined the GPA Global Partner Program.**

GPA will help Absen strengthen its supply chain and provides local contact points for its global customers across 50 countries, ensuring seamless communication throughout the entire customer journey. The GPA partnership will help support Absen's global coverage and ensure a strong and prolific offering of its LED displays to new and existing customers.

"As one of the world's leading display brands, Absen brings over twenty years' experience powering 50,000 installations to the GPA Partner Program," commented Mike Stead, GPA's Director, Global Partnerships. "Through this united partnership, customers have access to understand, influence and benefit from the combined power of China's leading LED manufacturer with the expertise of the world's largest AV Integrator."



New AX Pro Series

Renowned for their large LED installations, Absen are driving the LED market with high-quality products being deployed in meeting spaces, control rooms, visualisation, simulation and lecture theatres in all corners of the globe. Backed by GPA's global program and project management, high-quality installation and Global Care managed services, customers can trust in the superior LED deployment in over 150+ major cities.

"We are delighted to be joining the GPA Global Partner Program," says Darren Banks, Industry Development Director for Corporate at Absen, "I'm looking

forward to expanding our sales reach into new areas through the GPA network of customers and partners. I'm sure it will be a beneficial partnership that will help us deliver on our shared goals."

Alongside technical and user-experience excellence at competitive prices, Absen has a major focus on sustainability. For many years the 'Absen Green' program has driven the design, manufacture, distribution, low-energy operation and repairability of Absen products.

[www.absen.com](http://www.absen.com)



## Ya'an Qingyi River night scene, vitality with culture and tourism

Project QINGYI RIVER's night scene is based on unique history culture, myths and legends, and red culture. The organic combination of the local culture of the famous rain city of Ya'an covers the ancient myth of NUWA repairing the sky and YU controlling the water and the humanistic story of Ya'an.

Neptune  
Super Beam



The theme of the light show is "Legendary Xikang City, Colorful New Yazhou". Across the river, the public and visitors can enjoy a light and shadow cultural show covering the myth of Ya'an NuWa, Han culture history, three characteristics of Ya'an, giant panda elements, ancient Tea-horse Road, red culture spirit and eight scenes of Ya'an.

Technology and product equipment provided by Guangzhou Yajiang photoelectric equipment Co. Ltd. NEPTUNE SUPER BEAM provides a sharp lighting beam, illuminates the beautiful scenery along the Qingyi River, and making more beauty and artistic effect in the scene.



Quake 27Q praised for its features. The new RGBL light source presents richer colors. Equipped with a Super-Efficient optical structure design, it is projected onto the NuWa statue to achieve accurate light beams and more uniform light spots, making the image of the NuWa statue more vivid.



QUAKE 27Q

[www.yajiang.cn](http://www.yajiang.cn)

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AV and Media Technology Industry

# WELCOME TO OUR BOOTH AR-C10

16-18 MAY, 2023

DUBAI WORLD TRADE CENTRE

YOUR STAGE. OUR PASSION



## ROE Visual premieres at Integrate Middle East

ROE Visual will participate in the Integrate Middle East exhibition, focusing on the ME market. The Integrate ME and CABSAT exhibitions create an excellent platform to connect with existing customers and partners and actively reach out to new connections in this region. The team will showcase products for the integration and the broadcast market verticals. ROE Visual will be at Stand AR-C10.

Integrate Middle East is a premier forum and sourcing platform for the global professional AV & Media Technology community, connecting technology leaders with integrated solution buyers from the intersecting worlds of Education, Media, Entertainment, Hospitality, Retail, and Communication. This year, the show will be held from May 16-18, 2023, in Dubai, UAE.

Showcasing its LED-based products and technologies for the various market verticals ROE Visual serves, the booth will focus on AV integration, events market, and broadcast applications. Bringing various ROE LED products to the exhibition floor, ROE Visual will

present several of its AV integration products, like the Amber and Opal LED platforms.

The booth will also feature a virtual production area. The Black Marble BM4 and the Black Pearl BP2V2 will provide the perfect visual canvas to showcase the ground-breaking GhostFrame technology. In addition, some of ROE's products for the rental market will be presented, such as the highly popular Vanish V8T and the high-end Ruby platform. A Megapixel VR LED processor will be powering the LED screens on the booth, along with the disguise VX4 media server which will manage content distribution. The ROE Visual team is very enthusiastic about connecting with industry peers. "Integrate ME offers the perfect opportunity for our team to connect and reach out to the Middle East market. Our presence here signifies the importance of this market for us. It's great to discuss our state-of-the-art LED display solutions first-hand and connect directly with the visitors. We're eager to meet you at our booth to discuss your requirements and explore new business opportunities," states Khalid Sweidan, Vice President of Sales in the Middle East and Africa.

### Products on Display at Integrate Middle East 2023

**Black Pearl BP2V2** – These highly regarded LED panels have been an essential component of many virtual production stages around the world. The BP2V2 panels boast high color accuracy and optimal in-camera performance that industry professionals have come to count on. The panel produces breathtaking visuals even in challenging circumstances.

**Black Marble BM4** - The Red Dot Award-winning Black Marble LED floor panel is widely used for live events and broadcast applications. Offering a high-contrast glass or matte finish, these floor panels are ideal for a variety of creative applications.

**Amber 1.5** – The panels support uncomplicated installation, adaptable design, and easy, low-key, and low-cost maintenance that go hand-in-hand with high-end performance and unequalled visual qualities. The LED platform offers simplified installation, versatile design, and low-key, low-cost maintenance, while providing outstanding performance and unmatched visual quality.

**Opal 1.2** - The Opal LED platform is renowned for its remarkable visual performance. Featuring black LEDs, the canvas offers a high contrast ratio and wide color gamut, delivering a stunning high-definition viewing experience with unparalleled color accuracy.

**Vanish 8T** - Boasting a transparency of 50%, the Vanish V8T LED panel delivers exceptional performance in outdoor settings with its high brightness and wide viewing angles.

**Ruby 1.5** - The Ruby RB1.5 offers an impressive 1.5-pixel pitch LED panel featuring 4in1 LED technology. Enjoy stunning visuals with its advanced LED panel, delivering a wide viewing angle, high contrast, and minimized reflection.

[www.roevisual.com](http://www.roevisual.com)



## KV2 Audio hosts live demo for AV consultants, rental partners, and audio engineers in Singapore

**In line with its ethos, KV2 Audio is committed to sharing technical knowledge about sound reproduction and the key characteristics of its range of products to the industry sectors that it serves. As part of this program, KV2's Director of Sales Asia, Robert Adrian Tan, recently organised a series of listening demos held inside the facility of their local partner, Sindo Exports, in Singapore.**

"The KV2 Audio Demo was extended to an invite only to the rental network partners, AV consultants, sound engineers and designers. As there were two demos concurrently held just prior to this demo, we wanted to showcase the KV2 Audio SL and ES Series. Just for a few minutes, we want our guests to forget everything else they have read about speaker system design and think about what truly defines clear, quality sound," said Robert.

The demo started off with the Kv2 Audio EX12, followed by the EX15, and then the ES System. Following those loudspeakers was the SL system paired

with the VHD 2.18 subs which were put to the listeners ears , to hear, what an intense system it was.

The Kv2 Audio SL Series is a system that can be utilised for clubs and other applications as well. The SL412 is a slim, discreetly profiled cabinet with wide dispersion at high frequencies. The four 12-inch speaker configuration provides controlled low-mid focus to reduce indoor reflection. Its slim design allows for simple wall mounting, suspension, ground stacking or internal wall fixing.

The Kv2 Audio ES 1.0 with the ES 2.5 subs is a compact and modular system with all the electronics and amplification housed in separate, portable units – the EPAK 2500 and 2500R. Placing the active electronics package outboard results in a lighter, easier to handle system with much more flexibility. Its compact size reduces transport costs and either ground stacked or own, it is quick and easy to setup, cutting labour costs dramatically. The EPAK 2500/R control unit incorporates four amplifiers.

Electronic crossover filters, time alignment, equalization, system protection, and level controls are all done onboard, utilizing industry leading 20MHz digital conversion where required.





**Equipment on Demo : KV2 Audio SL Series**

- KV2 Audio SL 4.12 (top)
- KV2 Audio SL6.10 (Mid Bass unit)
- KV2 Audio SL3000 (Amplifier)
- Kv2 Audio VHD 2.18 (Sub-woofer)
- KV2 Audio VHD 3200 (Amplifier for Sub)

**Equipment on Demo : KV2 Audio ES Series**

- KV2 Audio ES 1.0 (Top)
- KV2 Audio ES 2.5 (Subwoofer)
- KV2 Audio EPAK2500R (Amplifier unit)



**Equipment on Demo : KV2 Audio Active Speakers**

- KV2 audio EX 12
- KV2 Audio EX 26
- KV2 Audio EX 15

"I Heard the Difference" was certainly confirmed by Sheldon Gooi from The Production People, and he had all compliments for how small a footprint the systems were, and was impressed, even with the smaller systems such as the KV2 Audio EX26, which provided a good coverage and with defined clarity.

Marc Brandon and Kenny Heng from CSP, had also good compliments on the KV2 Audio ES System. The clarity and balanced low frequencies for the ES and SL Systems had proven themselves way and above the call of duty to perform.

"A big shout out to Sindo Exports Pte Ltd for having prepared all the KV2 Audio equipment. Also a big thank you to Josh M for assisting with the music arrangements," concluded Robert.

[www.kv2audio.com](http://www.kv2audio.com)

[www.sindoexport.com](http://www.sindoexport.com)





## Chauvet names NMK Middle East distributor

**To continue providing the highest level of sales and support service in its rapidly expanding Middle Eastern market, Chauvet has entered into an agreement with Dubai-based AV distributor NMK Electronics.**

NMK is now the distributor of CHAUVET Professional, CHAUVET DJ and Illuminarc products in the UAE, Oman, Kuwait, Bahrain, Saudi Arabia and Qatar. A company with a strong tradition of customer service, NMK, enjoys excellent relationships with leading consultants, system integrators, and end-users, and has been involved in prominent local projects across its markets. Building on this background, the company will be able to develop Chauvet's connection to customers in the Gulf States.

"We're very excited about our relationship with NMK," said Stéphane Gressier, International Sales Director of Chauvet. "I joined our product specialist Eusebio "Sebi" Romero, and our senior BDM for this region, Goran Doncic, at NMK's Dubai training session. NMK's commitment to excellence and passion for service reminded all three of us of the philosophy that has guided the



commitment to excellence and passion for service reminded all three of us of the philosophy that has guided the growth of Chauvet. We're looking forward to building an extraordinarily strong relationship with NMK as we grow together."

Schalk Botha, Brand Manager at NMK, shares this passionate optimism.

"Chauvet carries 33 years' worth of heritage and experience," he said.

"We are thrilled to add their products to our portfolio and are excited to show

our customers how they can provide solutions for any application. Our goal is to promote this brand across all verticals from retail and house of worship, to small and large venues, entertainment, education, and the rental market. We have tremendous respect for Chauvet and appreciate the well-deserved reputation the company has established across the globe – and now we're honored to be part of this success story."

[www.chauvetprofessional.com](http://www.chauvetprofessional.com)



## INFILED provides a display solution for Sanding Electric conference room

**In March 2023, INFILED built a QM series screen for Sanding Electric Co., Ltd. in Jinan. The screen had a size of 8.5 square meters and was placed in the company's conference room to display content in meetings.**

Sanding Electric Co., Ltd. is a high-tech enterprise specializing in the development and manufacture of various types of electrical equipment. Due to the aging of the display previously used in its conference room, the QM Series, one of the best indoor LED screens on the market, was chosen to make its new display solution.

With a pixel pitch of only 1.56mm, the new screen made the communication of conference content clear through high-definition quality; besides, it was equipped with the high-performance NovaStar A5s Plus receiving card and ICND2065 LED driver IC to achieve intelligent control and smooth on-screen content display.



In terms of color representation, the QM series has a refresh rate of 3840Hz and a contrast ratio of 5000:1, which can display graphics and text content with more color subtlety and more visible shading. This superior picture quality ensures that attendees in the conference room see every detail of the on-screen presentation, resulting in smoother meeting information delivery.

To make the screen easy to install, the QM series cabinet and frame are designed lightweight and practical.

The series of cabinets are easy for workers to move and assemble, as each weighs only 4.9kg; the thickness of the entire screen frame (with slim floating brackets) is just 37mm and can be seamlessly mounted on the wall. Moreover, the frame is also equipped with anti-collision rims, which can well protect the LEDs from damage.

### About QM series

QM series is one of INFILED's most remarkable LED displays, it adopts advanced IMD&COB encapsulation technology. Features a wide color gamut, high brightness, and high contrast ratio of 20000:1; this series can offer an exquisite and vivid picture with vibrant color and rich detail. It is the best solution for a range of indoor applications including command centers, studios, stations, and classrooms.

[www.infiled.com](http://www.infiled.com)

[info@infiled.com](mailto:info@infiled.com)



Brian Divine with Harman APAC Team

## HARMAN Professional meets with Asia Pacific distributors to discuss future AVL trends

**HARMAN distributors from across Asia-Pacific (APAC) gathered in Singapore to meet with HARMAN Professional's President Brian Divine, Senior Vice President for Global Sales, Jaime Albors and Senior Vice President for Global Product Development, Andy Flint.**

The HARMAN Professional leaders led an in-person 'Partner Townhall' to share updates on key wins, supply-chain and the company's new product roadmap, as well as to collect feedback from HARMAN's partner network on trends in their markets and opportunities that can be captured for growth.

### **INVESTMENT IN INNOVATION RESULTED IN A STREAM OF NEW PRODUCTS IN 2022**

Throughout the pandemic HARMAN remained committed to its investment in R&D and this visit came on the back of a stellar year for new product launches across audio, video and lighting. In 2022, the company launched a new category of line array

loudspeakers in the form of the JBL SRX900 series. Development in line array didn't stop there as it was soon followed by the newest additions to the VTX A Series family. The new VTX A6/B15 line array loudspeakers and subwoofers opened new opportunities in both touring, worship and performing arts spaces. JBL also announced nine new models to its flagship 'Control Contractor Install' speaker portfolio and refreshed its range of premium portable PA loudspeakers with the launch of the PRX900 Series.

AMX sprang into its 40th year in style, with the release of the Jetpack Kit, a new plug and play AV transport, control and remote management solution. Next was the much anticipated VARIA family of persona-defined touch panels, which set new standards in interoperability, and most recently AMX launched the new SVSI N2600 series of professional grade 4K60 Video Encoders and Decoders.

HARMAN's lighting brand, Martin, has already refreshed much of its portfolio in recent times and the new products

kept coming. The entertainment lighting range expanded with the introduction of the ERA150 and ELP Par ranges of LED fixtures, and the next generation MAC Aura, the MAC Aura XIP.

The Martin Architectural range was also expanded with the introduction of Exterior Linear Pro lighting fixtures which feature low power consumption and IP66 protection.

Brian Divine shared, "At HARMAN we believe in taking that extra effort to gather feedback directly from our customers so that we can better understand their future needs, regional industry trends and get feedback on our recently launched products. Harman is committed to investing in innovation and our R&D (research and development) never stops. These first-hand inputs provide valuable insights that will shape our strategy and roadmap".

[www.pro.harman.com](http://www.pro.harman.com)



## KV2 Audio systems helps transport audiences to another world in Dam Sen Cultural Park

KV2 Audio systems has landed on the fictional planet of "Nebula: The Elemental Lighting Planet", which is an enthralling audio visual attraction immersing visitors in another world brought to life by interactive laser projections and lighting effects in a dome set up within Dam Sen Cultural Park in Ho Chi Minh City.

This unique audiovisual showcase took place in an inflatable dome measuring 15 meters in diameter and 8 meters in height and employed various



ESP2000

ESD12



technologies including several laser projectors, interactive lighting, laser effects, and realistic props to transport visitors to an exciting universe inspired by Avatar: The Way of Water. The concept was conceived and executed by Alta Media, which specializes in systems integration, digital content, and show entertainment technology.

"Nebula – The Elemental Lighting Planet tells the story of the four elements – air, earth, water, and fire – which are seamlessly weaved together using various technologies to create a compelling show featuring an idyllic universe, planets, and the trees of soul and life that bind everything together," said Tai Hoang, co-founder & CEO, Alta Media.

Established in 2008 and based in Ho Chi Minh City, Vietnam, Alta Media Co. Ltd. specializes in providing premium AV solutions. To provide sound reinforcement to accompany the visual elements in the dome, Tai Hoang selected KV2 Audio loudspeakers and amplifiers that the company had in its inventory. Alta Media installed four KV2 Audio ESD12 passive loudspeakers which are set up in four corners inside the dome. The four speakers are driven by two KV2 Audio ESP2000 amplifiers in a 2-channel audio source. Hoang commented that KV2 Audio offers a very good solution for the project.

[www.kv2audio.com](http://www.kv2audio.com)

[www.altamedia.vn](http://www.altamedia.vn)



## Chengdu City Concert Hall selects ETC

The Chengdu City Concert Hall is the government's initiative to promote Chengdu City as the national hub of the music industry. The design of the Concert Hall integrates the best theatrical technology, including architectural structure, stage lighting, acoustics, audio and visual, machinery, interior design, plus smart and intelligent technology, making it one of the top performance centers in the world. It is also the biggest concert hall of the western part of China.

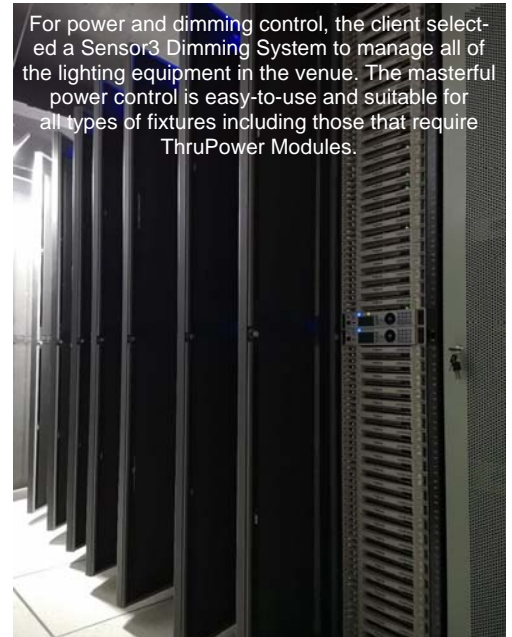
To provide the best lighting for every performance hosted in this contemporary art center, Yidashi proposed ETC's Source Four luminaires to light up the front stage with the brightest and warmest light, which also generate a natural and nuanced face light for all performers on stage. ColorSource PAR with RGBL (Red, Green, Blue, and Lime) LED arrays are also equipped on stage which provide a vivid wash light, thus enhancing the mood for all productions. The RDM control function is another plus for the ColorSource PAR light as it makes remote adjustment of lighting easy for every crew.



The Eos consoles were selected to provide the main and backup control system for managing the lighting fixtures in the newly opened performance center. Two Gio consoles are installed in the theatre hall which seats 400. The compact and comprehensive Ion XE with 2K output and 2x10 fader wings are used to provide reliable lighting control for the music hall, which is the second large performance venue in the building with 1400 seats. The mini music hall and the rehearsal rooms also installed Ion XE consoles, while the Press Room selected a ColorSource AV console.

Yidashi proposed a Paradigm architectural lighting system for controlling the work lights in the

For power and dimming control, the client selected a Sensor3 Dimming System to manage all of the lighting equipment in the venue. The masterful power control is easy-to-use and suitable for all types of fixtures including those that require ThruPower Modules.



Concert Hall. Paradigm is a comprehensive and sophisticated control system that offers an intuitive LED touchscreen station and remote control which makes managing work lights easier than ever before. ETC's In terms of the lighting network control system, Yidashi recommended ETC's Net3 ACN Gateway as it is an ethernet-based networking system that achieves a stable signal transmission.

[etconnect.com](http://etconnect.com)

## Chauvet acquires LynTec

In keeping with its mission of providing customers with cutting edge technological solutions, Chauvet has acquired LynTec, a leading global supplier of electrical power solutions for lighting, video, and audio systems. Founded in 1982, Lenexa, Kansas-based LynTec is widely known for its advanced lighting control panels, with these products installed well over 10,000 sites throughout the world. “With the addition of LynTec to our group of companies, we will be able to offer our customers a complete solution that embraces lighting, video, show programming, and control at every level from the creation of a design, to the control of power at an installation,” said Albert Chauvet, CEO of Chauvet. “We not only value LynTec for its technology, we’ve also been very impressed by the company’s ongoing commitment to improving its products and level of service to customers. In this respect, it mirrors the same values that have powered the growth of Chauvet.” Like Chauvet, LynTec has been dedicated to offering effective value driven solutions to every segment of its markets. For example, in the House of Worship market, its panels have been used at Saint Patrick’s Cathedral and Church of the Highlands, as well as at churches serving only a small number of worshippers. The same diversity is also very evident in its mix of theatrical, sports center and entertainment venue business, as its products are found in NHL arenas, as well as at high school auditoriums. “We are very excited to be joining the Chauvet family based on our shared commitment to providing excellence to our customers in all facets,” said Mark Bishop, President of LynTec. “The synergies between the two companies will enable us to continue developing outstanding products while providing unmatched customer service and project solutions for our current and future customers.” In addition to lighting control panels, such as the award-winning LCP Lighting Control Panel, LynTec makes remote control circuit breaker/relay panels, and Pro AV control panels. As it’s grown, the company has continued to develop innovations. At LDI 2022 it introduced the highly acclaimed PDS-12 Sequencing Relay Panel and Smart Switch Sets. Given this commitment to innovation and customer, LynTec should find itself right at home at Chauvet.

[www.chauvetprofessional.com](http://www.chauvetprofessional.com)



## Global Production Services hailed as trend-setters for acquiring India’s first Martin Audio WPC system

One of India’s fastest growing ace technical service providers for live events - Global Production Services - has recently added a brand-new WPC line array system from Martin Audio – thereby establishing its mark as a true industry trendsetter by becoming the first company in all of India to acquire the WPC line array system. The rental production company has steadily built a formidable legacy of providing superlative comprehensive technical reinforcement for live events across the state of Maharashtra for many years; with their portfolio of work featuring some of the most prominent gigs in Bollywood music, award ceremonies, political rallies, corporate functions, and more. “Global Production Services has consistently provided top-notch technical reinforcement for the widest variety of live events ranging from music concerts to corporate



conferences; and we have always put great pride into our work and the quality of technical equipment and expertise that we provide for our shows. We’d been wanting to expand our inventory for quite some time now, and when I found the opportunity to experience the latest WPC line array system; we knew right then that this system would be the perfect addition to our existing inventory. We were extremely impressed with quality of sound and SPL that the system is capable of delivering, despite its compact and agile form factor. This experience really helped us double-down on our decision to go ahead with our purchase of the WPC system.” comments Saurabh Ayare, director of Global Production Services.

[martin-audio.com](http://martin-audio.com)



## Claypaky help Durham Marengi create magic for the FIFA World Cup Qatar Opening Ceremony

**UK-based Lighting Designer Durham Marengi is no stranger to high-profile events to his credit, including the Opening Ceremony for FIFA World Cup Qatar 2022, which featured large complements of Claypaky Sharpy X Frame, Tabora Linear 100, Xtylos and Sharpy fixtures throughout the Al Bayt Stadium in Al Khor, Qatar.**

Since the Opening Ceremony took place in a projected world devised by Creative Director Anghela Alo and the content artists at Luke Halls Studio, Marengi and his team were challenged to light the performers for broadcast without damaging the ‘screen’ environment in which they lived. “We were operating at a light intensity of around 400 Lux and sports lighting for the games was around 2000 lux, so a very careful approach was required to create the magic to entertain billions of fans around the globe,” says Marengi. He selected an array of Claypaky fixtures for their light weight, brightness, superior optics and low power consumption.

“For this event the key factor was weight on the roof and very high truss heights of more than 50 meters to keep the equipment above the technical and camera systems required by the soccer authorities,” Marengi points out. “Every source deployed had to have a very high light output and very tight beam angle. We usually have lights all around the field of play, but this was

not possible with the first game of the competition scheduled only one hour after the opening ceremony.”

He mounted 60 Sharpy X Frames, 40 Xtylos and 80 Sharpys on 20 roof trusses; 16 more Sharpy X Frames on goal posts across two west projection positions; and 18 Tabora Linear 100s plus Neutral Density filters on the side stages and nine more on the center stage. An additional 52 Sharpys were also deployed. “Sharpy X Frame was by far our favorite fixture on the rig, a true hybrid,” Marengi declares. Sharpy X Frame is the most versatile compact hybrid fixture on the market addressing the needs for a bright spot, aerial effects unit, framing fixture and everything in between in an affordable, compact package.

Marengi says, “We were also pleased with the great support and instant



Durham Marengi at FIFA World Cup control room

response we received from Claypaky in Bergamo, Italy when required.”

Balich Wonder Studio was the Production Company.

[claypaky.com](http://claypaky.com)  
Photos © BWS



## PIXERA drives historical voyage at Hong Kong's popular tram attraction

**Hong Kong's Peak Tram, one of the city's most recognisable tourist attractions, recently received a full AV overhaul, including multiple LED canvases powered by AV Stumpfl PIXERA media servers to deliver educational content and bespoke experience to its visitors as they travel through various multimedia 'zones'.**

Rendering hyper realistic content with pixel-to-pixel accuracy, a total of five award-winning PIXERA one media servers were used, all managed from one director server across the whole attraction.

Two AV Stumpfl PIXERA one Quad server systems deliver synchronised content across multiple LED canvases throughout the 'Go Wild At The Peak' zone, informing visitors about the local flora and fauna At The Peak. The PIXERA media servers enable seamless,

uncompressed playback across the mapped sections of each zone, with their control capabilities supporting third party devices, allowing content to be triggered by The Peak Tram's building management system (BMS). The media server also interacts with lighting and audio, as well as the BMS to provide a full audio-visual experience to visitors.

ASCL (Audio System Consultants [ASIA] Ltd) acted as system integrator for this revamp project, whilst CosmoVision Co., Ltd provided technical support, taking advantage of PIXERA's previsualisation features to pre-build and configure the system prior to onsite deployment. The tramway resumed service after its AV refurbishment, ahead of an official grand opening. Now, whenever a tram arrives and departs, a full 'wraparound' video experience with animations and striking visuals overlaid onto the

surrounding environment immerse visitors and tourists alike.

CosmoVision's technical sales engineer, Jason Yeung, explains that testing content offsite revolutionises the way a project can be delivered: "PIXERA's previsualisation tools enable designers, content producers and system integrators to pre-build everything before onsite set up," he says. "Being able to preview and test the content prior to installation, to ensure that the performance matches expectations, saves valuable time and resources."

With a depth of only 45cm, the PIXERA one servers employed by CosmoVision are an ideal choice for installations at attractions and venues where the equipment needs to be hidden from view.

[avstumpfl.com](http://avstumpfl.com)



## Paul Johnson joins Ayrton as Global Install Director

Well known and popular industry figure, Paul Johnson (PJ), has joined Ayrton in the newly created position of Global Install Director with immediate effect. His role will be to open up a unique new area of activity for the company, expanding the use of stage lighting to architectural and large-scale, long-term installations. “There is an increasing potential in architectural development to introduce an ‘experience’ into building design through creative lighting,” says Johnson, “and there’s a huge skill set in the world of entertainment lighting which can translate across to fulfil this need. “I’ve always enjoyed the process of moving my love of stage lighting and music to another location, and Ayrton fits into this perfectly due to the undeniable robustness and longevity of its products, and a willingness in the company to think outside the box. Their range of IP65/IP66 moving head fixtures especially opens up a world of possibilities for long-term projects and installations including the stadia and arena world, and the low maintenance and intelligent technology makes Ayrton fixtures easy for in-house technicians to look after onsite after installation.” Johnson’s new role will be to share his experiences in encouraging architectural companies and specialist design houses to consider using lighting differently from the outset: “to use techniques from stage lighting and reimagine them elsewhere in large-scale architectural projects; to think creatively of how to use colour, animation, tone and light levels as exciting ways of changing perception.” “It’s a whole new dynamic in the world of architecture and installation,” adds Michael Althaus, Global Sales Director for Ayrton, “and I am genuinely excited that Paul Johnson is joining Ayrton with the view of expanding this idea and to build up a strong team around him. Ayrton is a brand that has spent the last 5-10 years pushing the envelope and has produced an amazing range of IP products with an eye to the future. Johnson is the perfect fit: he is excited by thinking in different ways and sharing his ideas with other designers, just as Ayrton does as a company.”



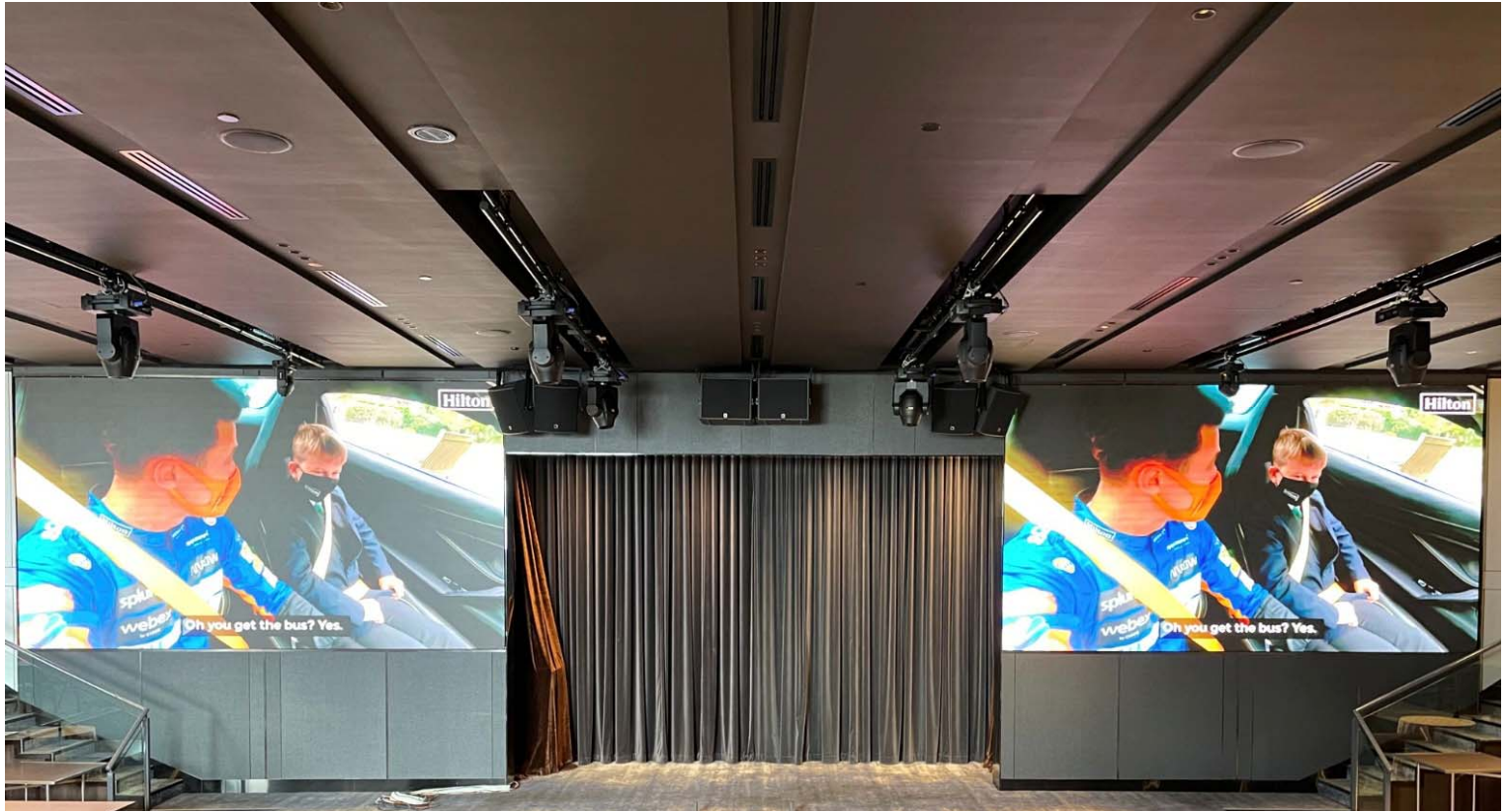
[www.ayrton.eu](http://www.ayrton.eu)

## Creative Technology Asia Pacific uses Brompton LED video processing for League of Legends

As one of the world’s premier providers of equipment rental and production services, Creative Technology (CT), part of the NEP Group, supports its clients around the world with 32 offices in 17 countries. In line with the company’s goal is to always deliver bigger, better and more exciting results than expected to its thousands of customers, CT APAC has recently added Tessera S8 LED processors to its existing Brompton Technology inventory. These have already been deployed on two high profile, internationally broadcast esports events hosted by Riot Games, bringing the most advanced processing power and unrivalled image reproduction to their LED video setup. “Brompton Technology has always been highly thought of in the industry, and with in-camera productions growing rapidly in the last couple of years, it made complete sense to capitalise on the opportunity and invest in Tessera LED processors,” says Juay Minghee, Operations Director at CT Singapore. “Brompton’s presence in the APAC region and the company’s pro-active engagement with our team in Singapore has already been beneficial. Perfect for high-profile projects that do not require large output capacity, CT chose Tessera S8 LED processors for the flexibility of Brompton’s industry-leading Tessera feature set and easy-to-use software. Powering ROE Visual’s DM2, 2.6mm pixel pitch LED panels, the Tessera S8 deliver exceptional contrast, brightness, and ultra-realistic visual experience.



[bromptontech.com](http://bromptontech.com)



## L-Acoustics A Series installed in the Hilton Singapore Orchard

**Located in the heart of Orchard Road, Singapore's premier shopping and entertainment district, the Hilton Singapore Orchard was unveiled earlier this year following a \$150-million makeover. This latest hotel is the group's flagship hospitality property in the region and takes pride of place as the largest Hilton in the Asia Pacific region.**

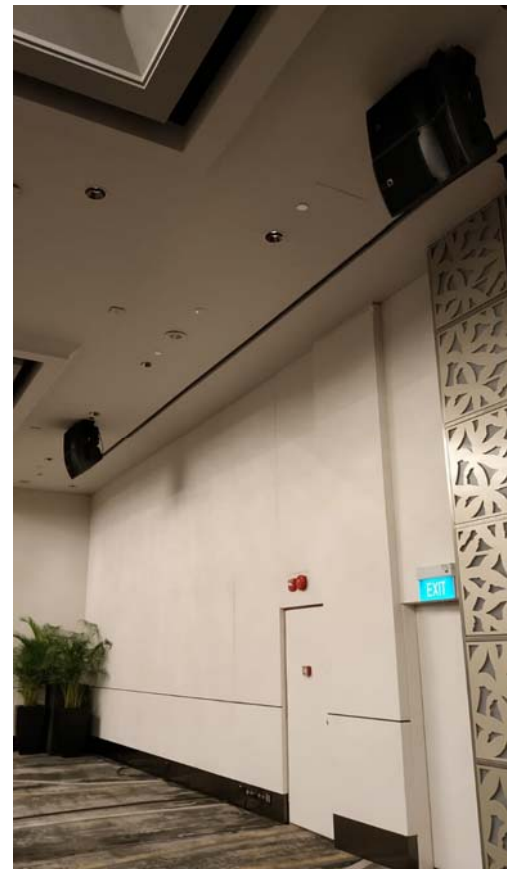
To ensure a complete hospitality experience throughout the property, the Hilton Singapore Orchard management chose to install L-Acoustics audio solutions for the two main ballrooms. Local L-Acoustics Certified Provider, Concept Systems Technologies, known in the local market for their high-profile audio installations in the hospitality sector, participated in a bid-for-tender process and won the contract for the audio system upgrade.

Concept Systems used Soundvision 3D modelling software to design two bespoke systems for the 810-capacity Grand Ballroom, and the 240-capacity Junior Ballroom. Both ballrooms host a

variety of events including government affairs, corporate seminars and dinners, brand product launches, and weddings. This range of events called for systems that produce excellent speech intelligibility while delivering high SPL for music and other dynamic entertainment content.

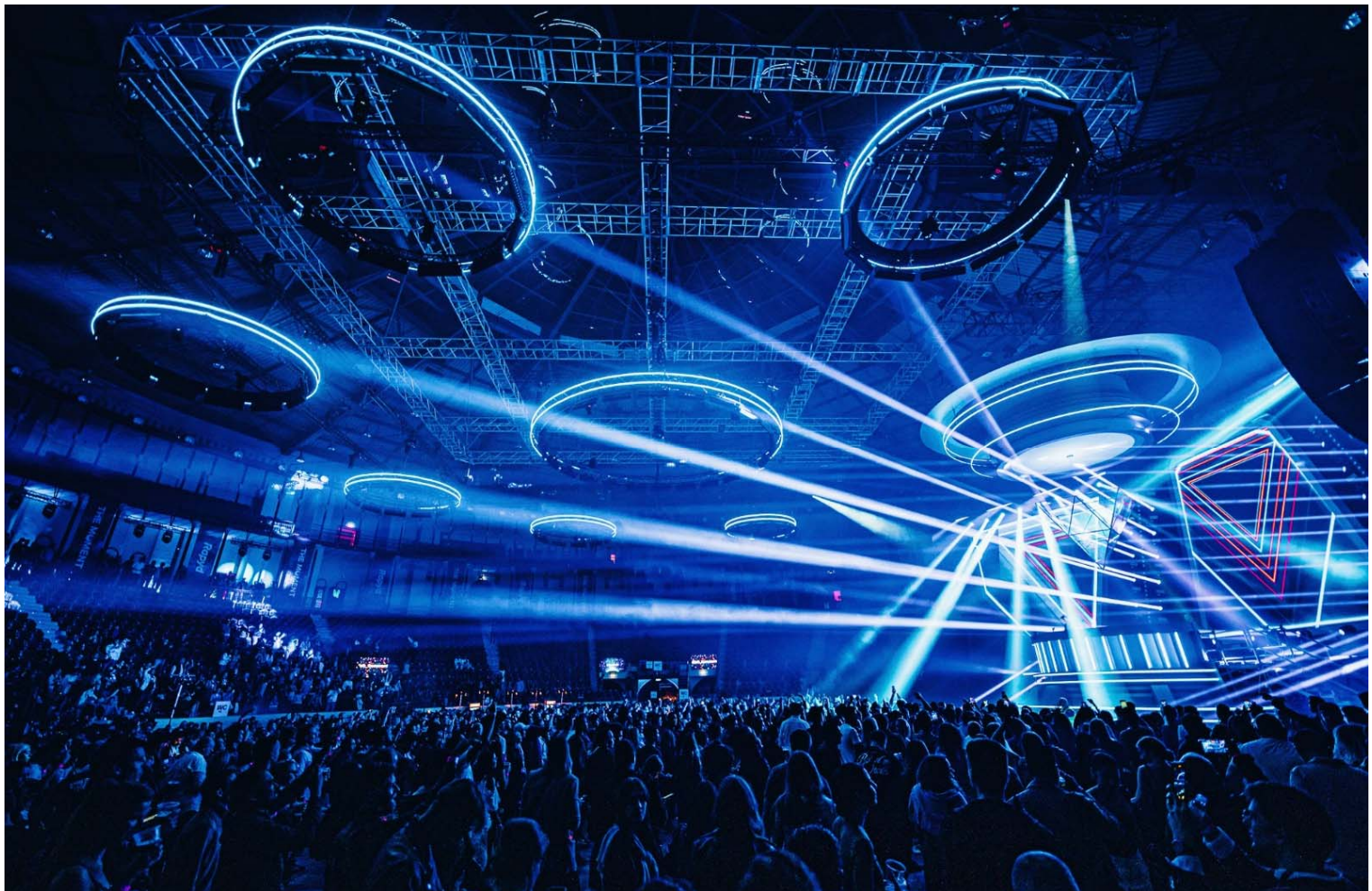
C.K. Lim, Project Manager at Concept Systems explains that "Soundvision allowed my team to provide the client with a visual representation of our proposed system designs. Along with SPL and coverage data, we were able to support the proposal by showing that results were in line with the client's key objectives." The system designs were then reviewed and approved by L-Acoustics APAC Application engineers.

In the Grand Ballroom, four hangs of two L-Acoustics A10i each, installed across the front of the ballroom provide even coverage, with two ground stacks of two KS21i subwoofers providing low-end definition. In the 480 square-metre Junior Ballroom, two hangs of two L-Acoustics X12 were sufficient for the smaller function space, with two



hanging SB15m subwoofers providing a low-end.

[concept-systems.com.sg](http://concept-systems.com.sg)  
[l-acoustics.com](http://l-acoustics.com)



## Rapyd's "Hack the Galaxy" shines with Claypaky fixtures chosen by Omer Israeli and Dor Aichner

**Lighting Designers Omer Israeli & Dor Aichner of Tel Aviv-based lighting and stage design company, LEAD, chose a large complement of Claypaky fixtures to illuminate the dynamic, futuristic "Hack the Galaxy" event held by Rapyd at the Web Summit in Lisbon, Portugal. He utilized 96 Tambora Batten Square, 16 Mythos 2 and 48 Xtylos fixtures for the third and last event in Rapyd's "Hack the Galaxy" campaign held at developer conferences in Europe.**

"Since the main prize of flying into space was at the center of this campaign, we knew we wanted the event to feel like a scene from a sci-fi movie with pods flying up and down in the air and an hourglass-shaped central DJ booth holding a three-meter high pyramid we called The Diamond," says Israeli. Israeli mounted the three types of Claypaky fixtures in three different positions. Ninety-six Tambora Batten Squares were suspended on seven

kinetic circular pods, the largest central pod measuring 10 meters in diameter and the others five meters in diameter. The 48 Xtylos hung on two diagonal trusses between the video screens at the back of the stage and were also distributed on the floor along the back of the DJ booth. Sixteen Mythos II were mounted on two truss sections above the video screens at the back of the stage. "With the local A/V vendor, Hipnose Lisbon, we were looking for a fixture that would emphasize the circular feeling of the pods while being powerful and unique," Israeli notes. "We needed 96 fixtures, which was not an easy task in the local market Portuguese market. I contacted Marco Mingone from Claypaky on Instagram for sourcing help with the Tamboras and getting more Xtylos. Marco connected me with Alessandro Colangelo from Claypaky who was super and helped us to source all the fixtures in Europe in no time! Belgium-based AED Rent



Produced by: OTD Global (@otdglobal)  
Stage & Light design: LEAD (@leadgrp)  
Tech Director: Avishay Gilad

AVB LD: Fabian Piszniak  
David Guetta LD: James Betts Gray  
A/V Rental Company: Hipnose Lisbon  
Pictures by: Eclipse Media

supplied all of the Tambora Batten Squares and some of the Xtylos, too.

[claypaky.com](http://claypaky.com)

## Major Cineplex chooses Christie RGBe Series laser projectors for smaller screens in Thailand

Christie® is pleased to announce that Major Cineplex, the largest movie theatre operator in Thailand, has chosen its high-value



RGBe Series laser projection system for deployment in smaller auditoriums across its circuit. Major Cineplex has acquired the CP2310-RGBe model, which offers 10,000

lumens in brightness and is ideal for screens up to 14 meters (47 feet) wide. More than a dozen CP2310-RGBe projectors have so far been fitted in seven multiplexes located nationwide. With these installations, Major Cineplex currently operates the largest fleet of Christie RGB laser projection systems in Thailand. Equipped with leading edge CineLife™ and CineLife+™ electronics, as well as Real|Laser™ illumination technology that reveal a world of color never before seen on screen, these state-of-the-art projectors outperform any other cinema illumination platform and set the stage for the most spectacular cinematic experiences. “With Christie’s RGBe Series projectors, our smaller auditoriums can reap the benefits of RGB laser technology to provide superior cinematic visuals to our patrons,” says Apichart Kongchai, chief cinema officer, Major Cineplex.

[christiedigital.com](http://christiedigital.com)

Photos © Major Cineplex



## Lightware announces new global Business Development team

Lightware Visual Engineering has announced the creation of a new Business Development team within the company, with new roles within it to maximise its impact across several markets. The team will be led by Szabolcs Turi, Executive Director, Business Development from the company’s Budapest HQ and also features Murugan Paramasivam, Vice Presidents of Business Development in the Americas, EMEA, and APAC respectively. This triumvirate will collectively head up Lightware’s efforts to deepen engagement with the enterprise market around the world, working with global partners and individual companies to build on Lightware’s already

notable successes in their respective territories. There is also a critically important verticals component to the new team. Mark Minall and Roger Takacs will take on the roles of Vice Presidents of the rapidly expanding Defense, Intelligence, and Government sectors (Minall) and the burgeoning Education market (Takacs). “The main focus of the new team is to build and develop Lightware’s global presence while supporting and driving the execution of growth plans with our local and global Lightware Offices,” explains Szabolcs Turi, Executive Director, Lightware. “It will be the team’s task to drive and build new regional presences, such as gathering market and business information about the potential expansion of the foreign Lightware Offices.” The team’s future goals are to align the work of the regional offices, the HQ, and the business team. They will also be responsible for the strategies encompassing both regional and vertical long-term growth. With the new structure, the company has assigned dedicated VPs to the company’s main vertical markets, with more announcements coming soon regarding additional team members for Global Alliances and Integrators. “We would like to take this opportunity to congratulate the new Business Development team and welcome the new members to the Lightware family, as well as wish them the best of luck in their new roles,” concludes Vida.

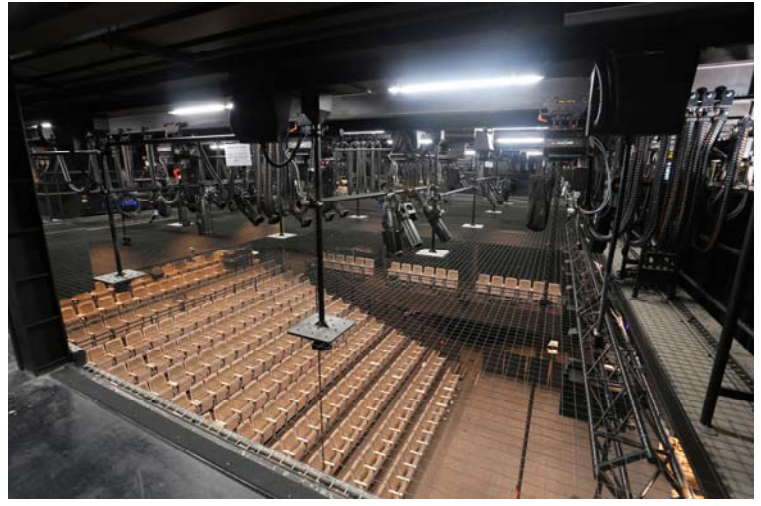
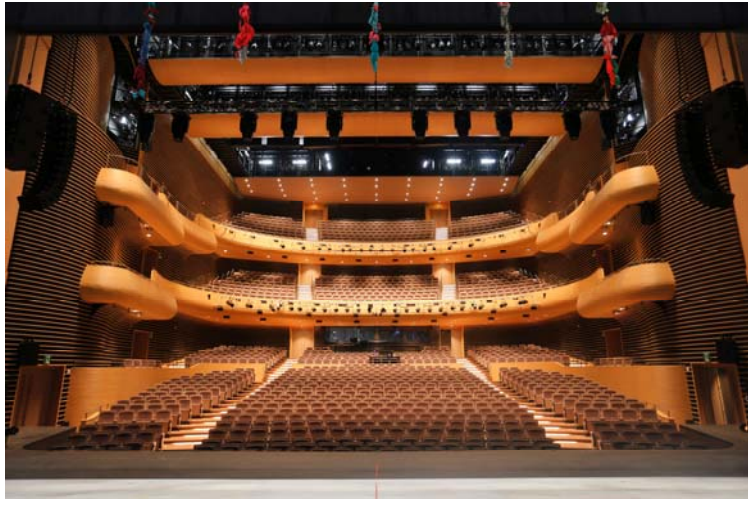
[lightware.com](http://lightware.com)



Szabolcs Turi



Murugan



## LG Art Center Seoul put the world-class performance in the spotlight with ETC's Lighting

**The LG Art Center Seoul is the new landmark of contemporary performing art which was recently relocated to Gangseo-gu of Seoul, the western part of the capital of Korea. The Center is the first venue in Asia to install the signature Eos Apex console. The venue also includes additional ETC products to provide best-in-class lighting solutions for the modern art centre. Products include Source Four LED Series 3 with XDLT lens tubes, Paradigm control and touchscreen stations, BluesSystem, and more.**

With a total floor area of 40,000 m<sup>2</sup>, the leading cultural hub was designed by the world-famous Japanese architect Tadao Ando, and successfully achieves the architectural philosophy of blending nature into architecture. There are two performance venues in the Center, one of them is the LG SIGNATURE Hall, which has a capacity of 1,335 seats,

and U+ Stage which is a transformable black box theatre capable of accommodating up to 365. After several fruitful conversations and product demonstrations organized by ETC dealer C&C Lightway, the Center selected two Eos Apex 10 consoles with 24K outputs and an Eos Apex Processor for the LG SIGNATURE Hall, working as the main and backup control system of the performance. "Eos Apex is perfect for a full control system; it is powerful and reliable enabling my team to work confidently for every show," the lighting director of LG Arts Center Seoul commented.

Ten sets of Source Four LED Series 3 fixtures are installed for front lighting. "We paired XDLT lens tubes with Series 3 – they are perfect for our large performance hall making lighting up the stage from the farthest distances a piece of cake!" the lighting director of

the Center added. The crisp gobo projection and reduced light leak also impressed the client.

The Center not only emphasizes professional and high-quality lighting at the front stage but also backstage. The Center selected BluesSystem which provides a set of dimmable blue running lights for the dark area in the halls.

With the use of Response Mk2 DMX Gateways and the Response Opto-Splitters, all products in the ETC lighting ecosystem are connected in a single Ethernet network which enables seamless and reliable communication when managing all of the equipment from an integrated data distribution network.

[etconnect.com](http://etconnect.com)

Photos © LG Art Center Seoul and C&C Lightway



## A.R. Rahman and DPA Microphones team up for reopening of Dubai's Al Wasl Dome

Dubai's Al Wasl Dome is an architectural masterpiece, acting as a hub for visitors and vibrant performances alike. Originally the centerpiece of the EXPO 2020 Dubai, Al Wasl was recently repurposed into a 3,000-seat concert venue, outfitted with a 360-degree projection screen to offer an immersive audio and visual experience.

To celebrate its reopening, the dome hosted GRAMMY-winning Composer A.R. Rahman's all-female Firdaus Orchestra and a 30-piece choir, accompanied by UK-based Indian singer Abi Sampa and her band, for a classical performance combining the sounds of the east and west. To assist with orchestral reinforcement for the show, which presented a slew of acoustical and environmental difficulties, Rahman's team called on Sound Designer and Mix Engineer Phil Wright, who turned to his tried and trusted DPA Microphones solutions for their durability and natural sound.

The acclaimed sound professional selected the brand's 4099 CORE Instrument, 2011 Twin Diaphragm, 4011ES Cardioid Condenser and 4066 Omnidirectional Headset Microphones to help elevate the production. "The band and orchestra were primarily 4099s," he explains. "This included the guitar, French horn and cello, as well as



the more traditional instruments such as the tabla, harmonium, ney, oud, sitar, daf, frame drum and qanun. These are tiny, very quiet instruments and the DPA 4099s really brought out their sound within this massive orchestral texture we had going on. For those instruments that were a bit more open, we used the 2011s, and then the double basses in the orchestra were on my 4011ES mics with 19 mm capsules. For the choir, we had 30 of the 4066 wired headsets. Overall, we had around 120 people on stage between the 30-person chorus, a 75-piece orchestra and Abi Sampa's ensemble of fifteen."

Miking traditional instruments wasn't the only obstacle Wright had to overcome. The Al Wasl Dome's unique shape posed an interesting acoustical challenge as well, with its centrally located performance space and open sides, which exposed the stage to the natural outdoor elements. Assisted by Dave Scarlet, Paul Medley and Pete



Austin of SFL Productions in the UK, Wright knew DPA mics would be a welcome aid to the audio team.

"The durability of the 4099s was so impressive," Wright says. "We weren't in an air-conditioned concert hall — this was an open-air, outdoor venue with all the heat, high humidity and dust blowing in from the desert. Despite all of this, we didn't have a single microphone failure. The heavy-duty cable for the 4099s also allowed for easy replacements, which was useful as we had a few people trip and damage the mic cables."

[dpamicrophones.com](http://dpamicrophones.com)

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Brand & Model Warranty (optional)

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Select Countries? Brand New

Price \* Fixed / Negotiable \*

0.00 USD Fixed / Negotiable? \*

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Product name

Description \*

Up to 250 words

Name \*

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Email \*

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Your address

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Your Shop URL

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# Absen New Category Brands and Innovations Blossom at Spring Launch 2023

**Absen**  
Trusted LED Supplier

- Absenicon**  
The Center of Everything  
Brand Value Proposition: The All-in-one Display Solution
- AbsenLive**  
Empowering Your Stage  
Brand Value Proposition: State-of-the-art LED for World-class Stage
- AbsenCP**  
Creativity with Simplicity  
Brand Value Proposition: Ready-to-use LED, to Fit Your Demands



### 2.2 Absen core technology development

- Micro LED**
  - Simultaneous research of multiple technologies: IMD / COB / MIP
  - Core technologies such as ultra Black / highlight / full matte
  - AM / ASIC driving technology
- Professional display**
  - Low gray and high brightness Technology
  - Customized Color Gamut technology
  - HDR processing algorithm
- Intelligent interaction**
  - Virtual Production Technology
  - 4K / 8K Home Theater Technology
  - Other technologies
- Green environment protection**
  - LED energy-saving technology
  - Research and selection of environmental protection materials

**Absen, one of the world's leading LED display brands, held its Spring Launch Event 2023 on March 21st, showcasing the brand-new category brands and a range of new LED technologies, solutions, and products. Industry professionals and media representatives worldwide gathered to witness Absen's unveiling of its featured category brands - AbsenLive, Absenicon, and AbsenCP.**

**AbsenLive state-of-the-art LED for world-class stage**  
Empowering your stage, AbsenLive is a dedicated category brand of Absen focused on high-end rental & staging market and virtual production/xR stage. Built upon decades of LED display experiences, AbsenLive constitute a prior choice for global companies that demand high image quality, extremely stable structure and superior colour reproduction.

AbsenLive facilitates the fusion of virtual and real, bringing an immense experience to the audience and creating extraordinary customer value. Its latest Jupiter Pro series is designed

specifically for outdoor, featuring a high transparency platform, high brightness LED, and precise curving capabilities, yet lightweight and durable. Meanwhile, the modular and hanging-stacking design makes installation fast and easy.

**Absenicon intelligent interactive LED all-in-one machine**  
Absenicon intelligent screen, founded in 2018, is a high-end brand of Absenicon focusing on conference display and consumer display.





It aims to promote the digital transformation of enterprises and upgrade the audio-visual experience of high-end consumer market with intelligent interactive LED all-in-one machine Absenicon intelligent screen is positioned as a large intelligent screen of more than 100 inches. It is an LED intelligent display terminal integrating document display, high-definition projection screen and remote video application. It is used in multiple application scenarios such as university lecture theaters, conference rooms, lecture halls, exhibitions and private theaters. X series, one of the two new LED display solutions, offers large

formats (108"/136"/163") with improved clarity using flip-chip COB technology, easy-to-use controls, and 100% seamless displays. C Ultrawide series provides widescreen displays applicable to 21:9 content and 154"/181"/208" formats at 33% more visible area. They are designed to deliver exceptional visibility and impact for advertising and other digital signage applications.

**154" 2880\*1080dots(24.9)**  
**181" 2688\*1080dots(22.9)**  
**208" 2560\*1080dots(21.9)**

- Ultrawide screen**  
Applicable to 21:9 content
- 154" /181" /208"**  
33% more visible area
- All-in-One**  
Include all necessary elements
- Easy to operate**  
Remote control, wireless screen mirroring
- Intelligent OS**  
Android 8.0
- Easy installation/maintenance**  
Modular design

**AbsenCP ready-to-use LED, to fit your demands**

Creativity with simplicity, AbsenCP is a dedicated category brand specially established by Absen for the global LED display channel market based on the development concept of 'Ready-to-use LED to fit your demands.' The new CP series feature high-resolution LED displays, minimal bezels, and advanced control features to meet commercial needs and is widely used in corporate,

retail, theme parks, exhibitions, e-sports, entertainment bars, and other scenarios. The brand focuses on the commercial display market and comprises products combining creativity and simplicity.

**New Products Bring Innovations**

In addition to the category brands, Absen launched several new products and solutions across multiple categories at the event. Their exceptional image quality, brightness, and color accuracy, made them ideal for indoor and outdoor applications.

**Innovative products with MicroLED technology**

CL V2 is a cutting-edge MicroLED product for indoor featuring a fine-pitch pixel configuration, high brightness and contrast, and advanced color accuracy. It's black coating, full flip chip, and HDR 10 technologies produce a non-reflective and highly reliable display with stunning visual results and capabilities.



Rediscover the World Through Absenicon X

108"/136"/ 163"  
big screen sizes

Flip-chip COB  
approved next-generation technology

600nits  
clear imagery under sunlight

170°  
ultra-wide viewing angle



KLCOB V2 is a revolutionary MicroLED product that is the wise choice for outdoor. Its display surface is designed with extraordinary deep blacks that create amazing black consistency and exhibit a deep and pure black, improving the visual performance to an unprecedented level and capturing all brilliance. Lightweight and ultra-thin, KLCOB V2 saves time and effort during installation.



**Vivid, accurate and stable display**

**AbsenCP**

- 3840 high refresh rate (Pictures taken without scanning lines)
- High grayscale (Clear details)

- Low refresh rate (Pictures taken with scanning lines)
- Low grayscale (Missing details)



**Flip Chip COB Technology**

**Absen**

- High Brightness**  
The light performance is not disrupted by shadows or other obstacles
- High Contrast**  
No lead blocking and high proportion of black, bringing higher contrast
- Enhanced Durability**  
The solder joints reduced by 53.8%, lowered the failure rate of led
- Lower Power Consumption**  
Lower power consumption at the same brightness

↑ X3

Contrast boost

↑ X4

Surface stronger

↓ 50%

Lower failure rate

↓ 40%

More energy efficient



**Led Light Box Displays Overview**

**Absen**

**LED Light Box Displays**

P1.9 P2.5 P2.8 P3.9

Dimension: 1250\*1750mm/1000\*2000mm

**Timing and Scoring System - System Topology Diagram**

**Absen**

**Football**

**Basketball**

**Hockey**

**Tennis**

**The new flagship to Absen’s DOOH and Sports**

A new flexible LED display product, A27 V3 is lightweight, ultra-thin and bendable. With a 16:9 commercial display aspect ratio and premium color management technology, it offers a wide viewing angle suitable for all types of signage applications.

A new line of DOOH solutions highlights Absen’s LED light box displays, providing exquisite picture quality using ultra-high-definition displays with a refresh rate of ≥3840Hz. Stable and reliable, the displays are convenient to install and maintain, and offer integrated solutions, cluster control and security guarantee.

Finally, a fresh line is devoted to sports and entertainment, the four key components being intelligent centralized multi-system management and control, a multi-functional system adjustable to various scenarios, simple and convenient installation, operation and maintenance, and energy-efficiency.

**Channel Recruitment - Welcome to being a part of Absen!**

As part of its commitment to expanding its global network, the Absen Channel Recruitment Program was announced at the event. This program aims to attract new partners and resellers to the Absen network and give them access to the latest LED display products and solutions.

The Spring Launch Event 2023 concluded in a resounding success. With an array of new category brands and products, Absen is poised for continued excellence in the LED display industry and in serving the customers with the best solutions.

More information can be found on the Absen website at [www.absen.com](http://www.absen.com)

# The Future At Your Fingertips

## *From Virtual Reality to the Optimal Workplace in Production*

**In the middle of a production hall in Wedemark near Hanover, a man stands with virtual reality goggles on his head and a controller in his hand. He turns alternately to the right and left and makes movements in the air with both arms - while around him microphones are being manufactured. What is he doing? Julian Born, Lean Manager Supply Chain at the Sennheiser Group, is planning a future workplace.**

Previously, the space where Julian was now standing was filled with an assortment of cardboard models. These were used to construct workplaces as full-scale models before they were actually set up in the production hall. In this way, employees could try out whether everything was in the right place for the work steps they would carry out later. Is it easy to grip the screws, are the tools optimally positioned, would they get stiff muscles and backs after working for a long time? The structure of the cardboard workstation was optimized and rebuilt until everything fitted together in the best possible way. Then the workstation was set up according to the cardboard model. Known as cardboard engineering, this process had been used at Sennheiser for many years, due to the audio specialist's focus on ergonomics and effective process flow design in the workplace.

Cardboard engineering, while effective, was also cumbersome and costly - and this is why four years ago virtual reality was introduced as an alternative solution. VR enables more comprehensive planning of a workplace, which starts with the estimation of walking distances and the realistic simulation of distances. Beyond this, the natural interaction in the virtual reality environment allows all participants - even without prior knowledge - to create and modify objects in the simulation in a very



Julian Born, Lean Manager Supply Chain at the Sennheiser Group, planning a future workplace in production



Insight into the Sennheiser production

short time. In this way, every employee can easily test their own workplace virtually in advance.

### **How does Sennheiser do it?**

For the past four years, the audio specialist has been working with an innovative start-up called Halocline, with the two companies establishing a development partnership. Since 2018, Sennheiser has been involved in the development of Halocline's VR editor solution. The Sennheiser team tested early beta software versions of solutions developed by Halocline and provided feedback on new features and handling. Insights into the workflow at the audio specialist also helped to focus the scope of development and required features. With many individual workstations and sedentary activities in production, the two companies focused the solution on small-scale processes.

But that was just the beginning of the virtual journey. In the meantime, VR is not just replacing cardboard engineering at Sennheiser. In the spirit of effectively strengthening the production footprint at Sennheiser, VR is also being used, for example, in the planned expansion of the plant in Romania to achieve fast and optimal results. During this planning stage, VR is allowing entire hall layouts or production cells to be simulated. For this purpose, the planners from Germany work together with their colleagues from production in Romania. In this way, workplaces are planned and optimized together across national

borders before they are actually implemented. The feedback from production is implemented in VR and followed live by all participants. "At the beginning, it was pure curiosity. In the meantime, we see many advantages that the use of virtual reality in production offers us," says Andreas Grüning, Plant Manager Germany at Sennheiser. "It's impressive how many of our use cases VR provides solutions for. It enables a whole new level of planning and digital collaboration."

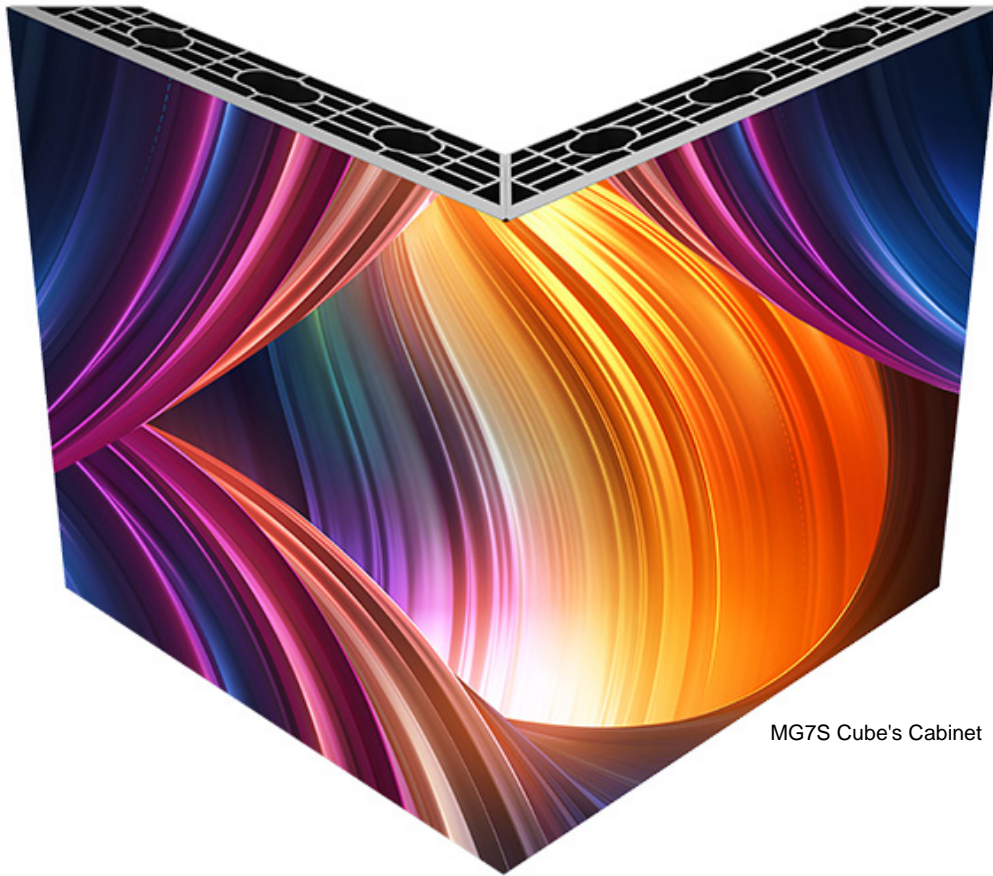
### **Music of the future**

And what will the future hold for Sennheiser's production? In addition to VR applications, you can already find cobots, i.e. robots that work together with humans, in a wide variety of production areas. And there are to be even more of them in the future. In particular, they will take over tasks that are less attractive to employees. The teams at Sennheiser and Halocline are now working together on exactly what this should look like, because there are still a few questions to be answered. How can more robots be incorporated into work processes? Where do they increase production efficiency? Where can they shorten walking distances, be used for ergonomic workplace design? Details that still need to be clarified. But one thing is certain: the mood music at Sennheiser is thrillingly futuristic.

[www.sennheiser.com](http://www.sennheiser.com)

[www.sennheiser-hearing.com](http://www.sennheiser-hearing.com)

# Powerful Creativity! YES TECH's Innovative New Product Delivers Creative Ideas



MG7S Cube's Cabinet

The MG7S Cube series is the newest addition to YES TECH's best-selling MG series. MG series' versatility and universality have created countless amazing stages. Through seamless splicing, the product offers vivid visuals and countless design possibilities. Featuring a revolutionary design, MG7S Cube series will redefine stage performance.

### Unlimited Creativity

Combined with the patented connector, MG7S Cube improves the traditional screen of the MG7S series, and splicing with creative extension series, which can realize various shapes such as numbers, letters, creating a sense of space with a more diverse stage shape.



90° Right Angle Screen



Cubic column



U-shaped large screen



MG7S Cube+MG12



MG7S Cube+MG13



MG7S Cube+MG14



MG7S Cube+MG15



MG7S Cube+MG16



Load-bearing Capacity

**Safe and Reliable**

MG7S Cube cabinet has super tension, to meet the high scene applications. Adopting linear secondary adhesion process, the thrust of lamp beads is increased by 100%, which is three times of conventional products. If you want more interactive effects, adding inductive coil under the mask will work better.

**Convenient Operation**

Modular design make the disassembly and installation will be quicker. The internal is truly wireless, making the power transmission more secure and stable.

**Multi-scene Applications**

The protection level of MG7S Cube series can reach IP65. It is physically stable enough to withstand both low temperatures for the Beijing Winter Olympics and high temperatures for the Dubai World Expo. Furthermore, it has strong environmental adaptability and fully meets the needs of indoor and outdoor use.



Modular Design



The King Power Mahanakhon of Lives

YES TECH has provided professional display application services for Qatar World Cup, Beijing Olympic Winter Games, Dubai World Expo and other major events worldwide.

In the following time, YES TECH will meet with you at:

- Integrate Middle East 2023
- InfoComm Asia 2023
- Saudi Light & Sound Expo 2023
- Infocomm 2023
- Live Entertainment Expo 2023

More information can be found at [www.yes-led.com/product-56-mg7s-cube.html](http://www.yes-led.com/product-56-mg7s-cube.html)

# ROBE iFORTE® FS

*Now you can shift the power outside, rain or shine, dust, smoke and haze, with the iFORTE®*



**The most powerful member of the Robe iSeries, the IP65-rated iFORTE® combines far-reaching output and feature-rich effects in a fully protected package, capable of handling all the challenges of being outdoors.**

iFORTE® negates the traditional weight penalty associated with IP-rated fixtures being only 1.5 kg heavier than the indoor FORTE®. With its class-leading form factor, size and appearance, and all the features and identical performance of the indoor original, iFORTE® enables seamless integration with each other, even on the same truss if desired! The ingenious ingress protection system has been specifically designed to allow standard maintenance and preparation procedures, such as TRANSFERABLE ENGINE exchange and gobo replacement without any additional tools, as gobo change or maintenance work can be done on-site.

The onboard RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature and pressure control using an active monitoring system to automatically remove any moisture detected within the fixture and provides constant monitoring to ensure peak performance. iFORTE® automatically runs a self-test every time it senses a cover was removed and replaced. This self-test, taking no more than 3 minutes, provides an error message if covers were not replaced correctly or locking screws were incorrectly tightened (Patent pending). Their lightweight magnesium alloy covers, with aluminium alloy structure, provide a dust-free environment for the optics, eliminating the need for frequent cleaning, routine maintenance, and UV damage to plastic parts.

To maintain consistently high lumen output, even with the rigours of outdoor performance, water, dirt, dust,

haze, and smoke are repelled from the front lens with our unique parCoat™ hydrophobic, oleophobic resistant coating. Furthermore, it allows easy removal without scratching or damage. By including NFC (Near-Field Communication) technology, you can access setup, diagnostic and performance features, even when the fixture is not powered, directly from your mobile device using the Robe Com app. iFORTE® TE™ 1.000W iSE HP (High Performance) White LED TRANSFERABLE ENGINE generates the same, piercing 50.000 lumen fixture output. The identical 11:1 zoom optical system, with a 5.5° to 55° zoom range, provides all the flexibility you require. Removing the need for distracting pre-use pan and tilt calibration movement, our patented MAPS™ (Motionless Absolute Positioning System) allows the fixture to fully calibrate while remaining static. Very useful when fixtures are located within confined spaces. Our cutting-edge CMY colour mixing system provides beautifully smooth mixing and transitions. Combined with two colour wheels, CRI 80 and 90 filters (HP Engine), and a variable CTO from 3.000 – 6.700 K give iFORTE® total colour finesse.

With the patented Plano4™ four individual plane framing shutters, two fully indexable rotating gobo wheels, an animation wheel, two independent 6-facet prisms and two MagFrost 1° and 5° frosts, you have all the creative tools you need.



Keeping up with technological advances, for television users, Cpulse™ is included for flicker-free management of HD and UHD camera systems.

The iFORTE® FollowSpot is equipped with a full HD digital camera mounted on the head, again with parCoat™ lens protection. The IP65-rated camera features 32x optical and 32x digital zooms and is suitable for light levels down to 0.05 lux. It connects to the industry-leading RoboSpot™ BaseStation for remote-controlled follow spot operation. iFORTE® FS - Robe reliability in all weathers.



Click the link to find more information at

[www.robe.cz/iforte-fs](http://www.robe.cz/iforte-fs)

# CHAUVET Professional Rogue Outcast 2 Hybrid



CHAUVET Professional presents the Rogue Outcast 2 Hybrid, a rugged IP65-rated Spot/Beam/Wash moving head with a lightweight alloy body housing a sophisticated optical system that delivers incredible brightness and a refined linear zoom that smoothly spans an expansive range of narrow to wide beam angles in every mode.

The intense output of its 400W 6500K lamp can be precisely focused to project sharp midair beams and perfectly crisp spots or subtly softened with its frost and beam flattening features. Create stunning looks with dual gobo wheels and layerable prisms or shape luscious color washes with this versatile Outcast.

#### AT A GLANCE

- Fully featured, IP65 rated, high powered Spot/Beam/Wash combination fixture with an Ushio 400 W, 6500 K with 6,000 hour life expectancy lamp, 2 gobo wheels, 2 layerable prisms, large zoom range, and lightweight aluminium / magnesium housing
- Individually controllable and layerable 5 facet linear and 8 facet round prisms for maximizing visual impact



- Frost and beam flattening options for even light distribution
- Tight 0.9° narrow beam angle for focused air effects
- Linear zoom of 0.9° to 20.7° in beam mode, 1.4° to 37.2° in spot mode and 5.4° to 41.7° in wash mode for coverage in any application
- 9 rotating and 13 static gobos for massive visual effect
- DMX and RDM protocol control
- True 1 compatible power input
- Easy to read OLED display with simple, effective menu options
- Simple and complex DMX channel profiles for programming versatility
- USB-C port for uploading software



Click the link to find more information at

[www.chauvetprofessional.com/products/rogue-outcast-2-hybrid](http://www.chauvetprofessional.com/products/rogue-outcast-2-hybrid)

# CHAUVET Professional Rogue Outcast 1L Beam



**CHAUVET Professional presents the Rogue Outcast 1L Beam, a lightweight IP65 beam that packs a punch with speed and precision.**

Its tight 1.4° beam projects extremely focused aerial effects. Create dynamic midair looks with this fully-featured fixture that includes a color wheel, single gobo wheel (with both rotating and static gobos), layerable dual prisms and frost.

Its durable alloy housing not only weathers outdoor elements but also brings advantages to indoor installations with a low-maintenance design that withstands particulates such as fog and haze.

## AT A GLANCE

- Fully featured, high powered IP65 rated LED beam fixture
- Lightweight and durable aluminum/magnesium alloy body
- Fast and precise movement of pan and tilt functions
- Individually controllable and layerable 5- and 8-facet prisms
- Frost for softening beam edges and effects
- 5-pin DMX input/output connections
- Tight 1.4° beam for extremely focused areal effects
- RDM enabled for remote addressing and troubleshooting
- 7 rotating and 7 static gobos on one wheel for dynamic gobo effects
- Easy to read OLED display with simple, effective menu options
- Simple and complex DMX channel profiles for programming versatility
- USB-C port for uploading software



Click the link to find more information at

[www.chauvetprofessional.com/products/rogue-outcast-1l-beam](http://www.chauvetprofessional.com/products/rogue-outcast-1l-beam)



# Dear Reality EXOVERB MICRO

Your entryway into a new level of spatial perception



Elevate your stereo mix with EXOVERB MICRO, Dear Reality's latest realistic and spacious reverb plugin for stereo production. The compact audio plugin packs a punch, powered by the same proprietary reverb engine as its bigger brother, EXOVERB. Choose from eight expertly hand-crafted acoustic scenes for a truly authentic sound, empowering any modern audio production. Streamline your mixing process with the intuitive triangle pad to perfectly balance late reverberation, early reflections, and dry signals.

EXOVERB MICRO provides the perfect entryway into spacious reverb, offering a selection of EXOVERB's eight most-loved acoustic presets from four categories: Ambiances, Rooms, Halls, and Plates. Each acoustic scene is based on multiple synthesized impulse responses (IRs) developed with Dear Reality's proprietary software, allowing you to create rich reverb effects that perfectly match the needs of your mix. Whether you're looking for a subtle drum room or a deep plate for vocals, EXOVERB MICRO has got you covered.

"With EXOVERB MICRO, we want to enable everyone to benefit from the latest reverb technology," explains Felix Lau, Product Owner at Dear Reality, adding that "EXOVERB MICRO's easy-to-use interface with the triangle pad offers a perfect starting point for modern music and postproduction." The results are natural reverbs with three-dimensional depth perception on all stereo playback systems – both speakers and headphones.

INTUITIVELY HIT THE SWEET SPOT

**Unique Triangle Pad**

TOTAL CONTROL

**Input and Output gain**

GO BEYOND TWO-DIMENSIONAL STEREO

**Direct access to commonly used functionalities**

ENHANCED SPATIAL PERCEPTION

**8 acoustic scenes**

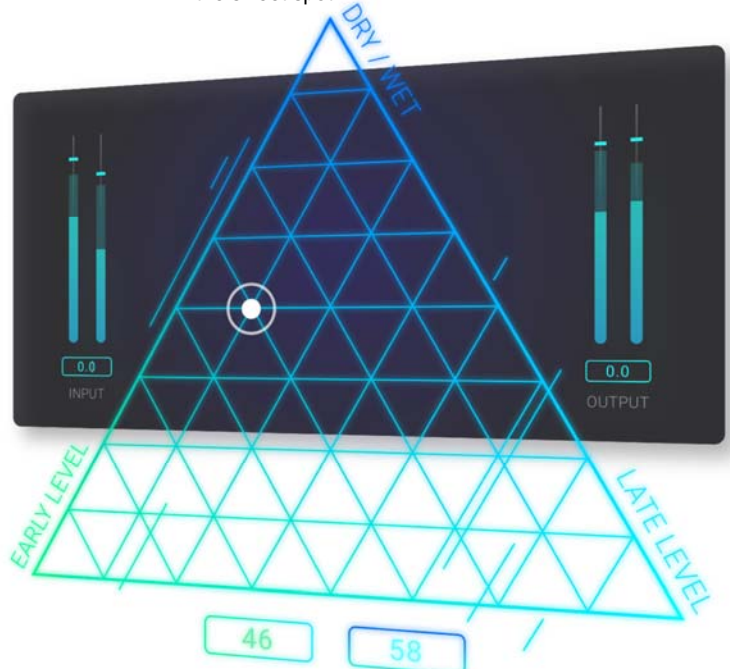


EXOVERB MICRO features a user-friendly interface that makes adding just the right amount of reverb to any mix as easy as you can imagine. Using the triangle pad, you can simply balance early reflections, late reverberation, and dry signals to create the perfect sound. And like its big brother, EXOVERB MICRO provides instant access to essential parameters like Pre-Delay and Decay without complicated menus or sub-menus. With EXOVERB MICRO, you'll get all the power and versatility of a professional reverb tool in a compact, easy-to-use plugin.

**EXOVERB MICRO is available now in the Dear Reality store for EUR/USD 25 (+ local VAT).**



Speeds up the creative mixing process: EXOVERB MICRO's innovative triangle pad lets you intuitively hit the sweet spot



Click the link to discover the Dear Reality EXOVERB MICRO at

[www.dear-reality.com](http://www.dear-reality.com)

# Neumann MT 48 Audio Interface

*The Perfect Link Between  
Microphones and Monitoring*

**AVL TIMES 2023**  
**EDITOR'S CHOICE**  
BEST NEW PRODUCT



**Neumann, one of the world's premier manufacturers of studio equipment, is proud to announce the launch of its first-ever audio interface, the MT 48. This innovative product represents a significant milestone in the company's nearly 100-year history, as Neumann expands its portfolio beyond microphones, loudspeakers, and headphones to include the crucial interaction with the digital realm. The MT 48 thus realizes reference class Neumann quality from input to output.**

The MT 48 audio interface is the first product with Merging Technologies inside. The Swiss Brand is famous among audio professionals for its expertise in premium AD/DA conversion and networked audio. Based on the acclaimed Merging Anubis audio interface (which remains available), the MT 48 features additional USB and ADAT connectivity, as well as a new user interface,

optimized for maximum ease of use in studio and home studio applications. With a dynamic range of 136 dB (A) and mic preamps with up to 78 dB gain, the MT 48 sets a new benchmark in audio quality. It thus captures the full sound potential of even the best microphones without any bottlenecks. The MT 48 has 4 analog inputs and 8 analog output channels (4 stereo outputs) and is expandable via ADAT (switchable to S/PDIF) and AES67. MIDI I/O is included as well.

The interface also boasts two extremely powerful headphone amplifiers with ultra-low output impedance, driving any headphones to peak performance. Onboard DSP effects include sophisticated EQ, complex dynamics processing, and reverb. Additionally, the MT 48's unique Dual Output Technology allows users to record the pre-FX and post-FX signal simultaneously. Four independent mixers, one for each



stereo output, allow for perfect monitoring, thus fostering creativity for inspired performances. An intuitive touchscreen interface allows users to change mixer levels, pan positions,



and other parameters with ease. Monitor mixes and all settings can be adjusted directly on the unit. For users wishing to operate the MT 48 from their computer or tablet, a Remote Control App and browser-based Web Control are available.

“The MT 48 represents a major step forward for Neumann,” states Portfolio Manager Sebastian Schmitz. “By adding Merging Technologies’ expertise in AD/DA conversion and digital audio to Neumann’s deep knowledge in microphones and monitoring, we have created a product that is truly exceptional in terms of sound quality, functionality, and ease of use.”

Neumann’s CEO Ralf Oehl adds: “As a legendary microphone manufacturer, Neumann has always been synonymous with excellence in recording technology. Over the past decade, we have shown that Neumann can bring the same uncompromising quality to loudspeakers and headphones. The MT 48 completes the ideal signal chain: Finally, you can have Neumann quality throughout, from the sound source to your ear.”

The MT 48 audio interface will be on display at NAMM 2023 (Demo room Anaheim Convention Center 17400) and will be available from Neumann dealers worldwide in a few weeks.



**Features:**

- Class-leading AD/DA converters with enormous dynamic range
- Intuitive touchscreen user interface
- DSP processing (EQ, dynamics, reverb)
- 4 independent mixers with integrated talkback
- USB, MIDI, ADAT and AES67 connectivity



**List price:**  
**EUR 1,995 / USD 1,850**



Click the link to find more information on this groundbreaking product

<https://mt48.neumann.com/>

## GLP impression X5 Compact



With the release of the impression X5 wash light, German manufacturer GLP – German Light Products provided one of the most high-profile product launches of the past year. Since then, designers around the world have praised the outstanding colour quality and colour mixing with the special GLP Lime, as well as the excellent output across the entire colour spectrum.

- The GLP impression X5 Compact uses 7 powerful 40 Watt RGBL LED's to give an incredible output with increased color gamut.
- GLP's new iQ.Gamut calibration algorithm ensures the impression X5 Compact creates clean white points with CRI 90 at 6,500 K and the ability to switch to other fixed color temperatures instantly, all calibrated exactly to the black body line.
- With new super-fast zoom mechanics, the impression X5 Compact offers a 16:1 range running from 3.5° to 60° with homogenous light distribution across its entire range.
- A new front face with a circular design offers a fresh modern look, a round aperture and has been designed to include geometric patterns for great looking Pixel mapping effects.
- The impression X5 Compact comes with an extensive feature package, including a virtual color wheel with 64 referenced LEE Filters, a new Color Quality Control, Magenta / Green Correction, a Tungsten Simulation and Effect Channel and a double layer effect option.

[glp.de](http://glp.de)



## GLP impression X5 IP Bar

The GLP impression X5 IP Bar is an IP65 rated, linear LED batten with 18 powerful 40 W RGBL LED's, a wide zoom range, and the new GLP iQ.Gamut color calibration algorithm that creates perfect white spectrums with excellent color rendering. The new squared lens design ensures maximum lumen efficiency and gives an unprecedented curtain of light at its narrowest angle of just 5°, and delivering smooth and homogenous washes all the way out to its widest 70° wash. As a part of the new GLP X5 family it offers a wide feature package, including selectable calibrated white points, a tungsten simulation channel, magenta / green correction, virtual color wheel and variable CTC, along with twin layer effects with plenty of dynamic pattern macros.

The impression X5 IP Bar offers our patented fast tilt movement in combination with seamless pixel pitch across fixtures, and features wired and wireless control as standard. The impression X5 IP Bar's enclosure is just as suitable for indoor use on the stage to protect against confetti, fog, pyro and dust.

[glp.de](http://glp.de)





## Cameo OTOS SP6



The OTOS SP6 is an IP65 spot profile moving head with a 600W LED light source and an illuminance of 75,800 lx at a beam angle of 7°. The optical system – with a 130 mm front lens – offers an impressively wide zoom range, from 7° to 50°, and ensures precise lighting results without visible hotspots. With its IP65-rated housing, the OTOS SP6 is an extremely versatile tool for outdoor use that can be used to reliably achieve all lighting ideas, even under adverse conditions – on live stages, at outdoor events, and also in the theatre and TV sectors. In addition to the precise illumination of people and objects, the OTOS SP6 can also be used creatively and flexibly. For this purpose, two gobo wheels, a 5-facet prism and an integrated 4-fold iris slider system with individual angulation and +/- 45° rotation are available. Two frost filters (light and heavy) and an infinitely variable iris diaphragm round off the wide range of possibilities. The OTOS SP6 works with CMY colour mixing and includes an additional colour wheel with six dichroic filters + open for particularly saturated, powerful colours. The linear CTO correction allows for infinitely variable adjustment of the colour temperature in the range from 2,600 K to 7,000 K. Thanks to the adjustable PWM frequency (650 Hz-25 kHz), the OTOS SP6 is also suitable for flicker-free use with film and TV cameras. Control is flexible via DMX, RDM, Art-Net, sACN, W-DMX and CRMX. When it comes to handling before, during and after production, the OTOS SP6 scores with its intelligently placed handles and an exceptionally low weight (34 kg) – as with all moving heads in the OTOS Series – which makes the OTOS SP6 the lightest representative in its performance class.

[cameolight.com](http://cameolight.com)

## Cameo OTOS B5



The OTOS B5 is an IP65 beam moving head based on a 480-watt discharge lamp. It delivers an illuminance of 511,000 lx @ 15m. With its high-quality optical system – with 205 mm front lens – the OTOS B5 produces impressively precise 1° beams that prevail even in dense lighting designs and remain visible even from a greater distance. Thanks to the IP65-rated housing, the OTOS B5 is particularly convincing under adverse conditions – whether it's in continuous rain or in dusty environments. At the same time, the 480 W custom discharge lamp of the beam moving head ensures maximum reliability and profitability in long-term use. The service life of the lamp is 3,000 hours and has been tested in continuous use under live conditions. The effects section of the OTOS B5 includes a static gobo wheel with 19 gobos + open, as well as three rotating and indexable prisms on two levels to create a variety of mid-air effects and add depth to lighting designs. In terms of colour, users can also draw from the full range of shades, thanks to the integrated CMY colour mixing and the additional colour wheel with 14 dichroic filters for particularly saturated colours. The OTOS B5 is identical in construction to the OTOS H5 except for the front lens. Thanks to the identical dimensions, both models can be stored and transported in the same flight case. With a weight of only 33 kg, the OTOS B5 is also one of the lightest representatives in its performance class.

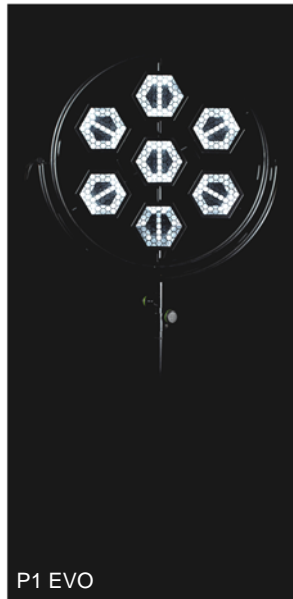
[cameolight.com](http://cameolight.com)



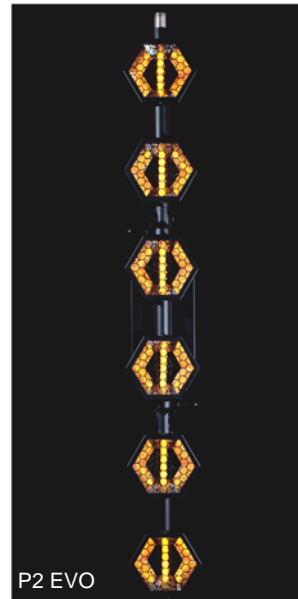
## Portman EVO Collection



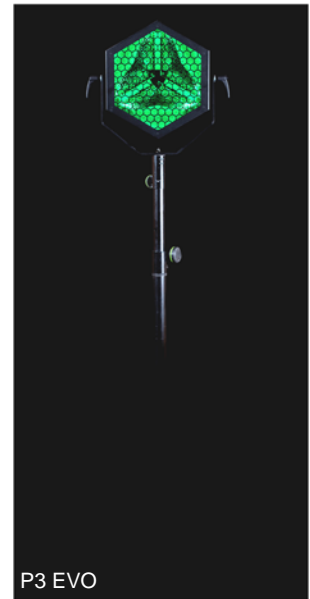
EVO Collection is the latest family of products in the Portman Lights portfolio. The new products are a breath of fresh air, combining timeless hexagonal shapes with innovative sources, faithfully reproducing all the strengths of halogen light. The total power of the LEDs in the new luminaires ranges from 210W to 340W depending on the model (210W in P3 EVO, 300W in P2 EVO, 340W in P1 EVO). This is made up of original main sources that faithfully purely emulate halogen with a smooth dimming. At low light intensity, they light up with a warm color of 1600K and at maximum brightness they reach 3200K. User can pick different dimming curves. There is also strobe mode available. In each fixture, these main sources are paired with RGBW



P1 EVO



P2 EVO



P3 EVO

sources that fill specially designed new lamp reflectors with color. Each unit can be powered by any 110-240V (50-60 Hz) current thanks to the use of voltage-adjusting electronics. The products are equipped with 5-pin XLR (input/output) connectors. It is also possible to use a WDMX module so that the luminaires can be controlled remotely. Each luminaire is featured with 6 DMX modes with a high number of channels (9-47 Ch in P3 EVO, 12-67 Ch in P2 EVO and 13-77 Ch in P1 EVO) and has built-in macros to run the lamp in standalone mode. The electronics supports the RDM protocol.

[portmanlights.com](http://portmanlights.com)



## Palmer presents the River Series audio tools for a pristine signal flow

Palmer presents the River Series. This family of reliable DI boxes, re-amping boxes, line isolators, splitters and summers ensure that audio signals can flow freely and unhindered – crystal clear and as alive as water! For this reason, the models in the River Series are named after German rivers and bear names such as ilm, main, wupper, naab, trave, and tauber. Based on high-precision circuitry, the sound of the River Series always reaches its destination unadulterated. The Palmer River series is available now. The River Series comprises 13 models and covers the central requirements of musicians and sound engineers – whether live or in the studio, in the rehearsal room, or at a spontaneous street gig. Based on high-precision audio circuits, the solutions developed in Germany support a transparent signal flow that – not unlike a river – results in a large, open (sound) structure. Based on an unmistakable and uniform design language, all Palmer River Series product enclosures are made of solid aluminium and feature a robust front made of steel, which guarantees years of reliability in a hard everyday life on stage and in the studio. This is one of the reasons why Palmer offers a 5-year warranty on all products.

[palmer-germany.com](http://palmer-germany.com)





## Philips High Bright 4000 Series

PPDS, the exclusive global provider of Philips professional displays and solutions, has announced the highly anticipated launch of its new, slimline Philips High Bright 4000 Series, delivering uncompromised picture clarity and performance to any indoor or semi-outdoor environment, including in challenging, highly light areas. Designed for content that demands to be seen at all times, the new models come equipped with the latest hardware and software features and innovations from PPDS, including advanced 2500 cd/m<sup>2</sup> (55") and 3000 cd/m<sup>2</sup> (75") high brightness. From retail stores to public venues, the new portrait and landscape mountable High Bright 4000 Series is perfect for



installations in or near environments exposed to ever-changing ambient lighting conditions, including near or behind glass frontage. The Philips High Bright 4000 Series will comfortably handle any lighting condition it is exposed to – including direct sunlight – allowing content to be displayed and enjoyed as intended, day and night. Perfect for shop window displays and public information areas. Complementing and extending the Philips High Bright H-Line range to five, the new 4000 Series is available in 55" (55BDL4002H/00) and UHD 75" (75BDL4003H/00) model variants, featuring an all-new super slim design\*, up to 34mm thinner than previous H-Line models, while the 17.5mm (55") and 18.8mm (75") bezel ensures a slick and stylish presentation and viewing experience.

[ppds.com](http://ppds.com)

## PPDS energy efficient digital signage series with the 'zero power' Philips Tableaux range



PPDS, the exclusive global provider of Philips professional displays and solutions, is excited to announce the launch of a new game-changing and industry-advancing range of full size and full colour 'zero power' Philips Tableaux advanced colour ePaper (ACeP) signage displays. Each is capable of delivering 24/7 vivid content, while running entirely unplugged and without using a single kilowatt of electricity. These ground-breaking Philips Tableaux displays from PPDS mark the introduction of a brand new product category into its ever-evolving portfolio of professional displays, (including digital signage, interactive displays, direct view LED and professional TVs). Available in 25" 16:9, and 28" 32:9 stretched variants at launch, Philips Tableaux displays are an ideal energy saving solution for businesses across the sectors looking to digitise their paper-based signage delivering messaging such as store opening hours, timetables, and menus, or promotions and offers, or for those looking to swap out their current digital models (where features may far exceed day-to-day requirements, adding unnecessary running costs) with colourful, power-free, easily updatable Android SoC displays.

[ppds.com](http://ppds.com)



## SPOTLIGHT HYPERION 100W



The HYPERION series is still growing: the HYPERION 100W are now available! New HYPERION 100W are the result of the in-depth technological know-how that distinguishes us. The fixtures are performing, easy to use and characterized by the unmistakable design of HYPERION Series by SPOTLIGHT™. HYPERION 100W is perfect for lighting small TV studios or small theatres, events and fairs, museums and fashion shows. Available in Fresnel, PC and Profile type.

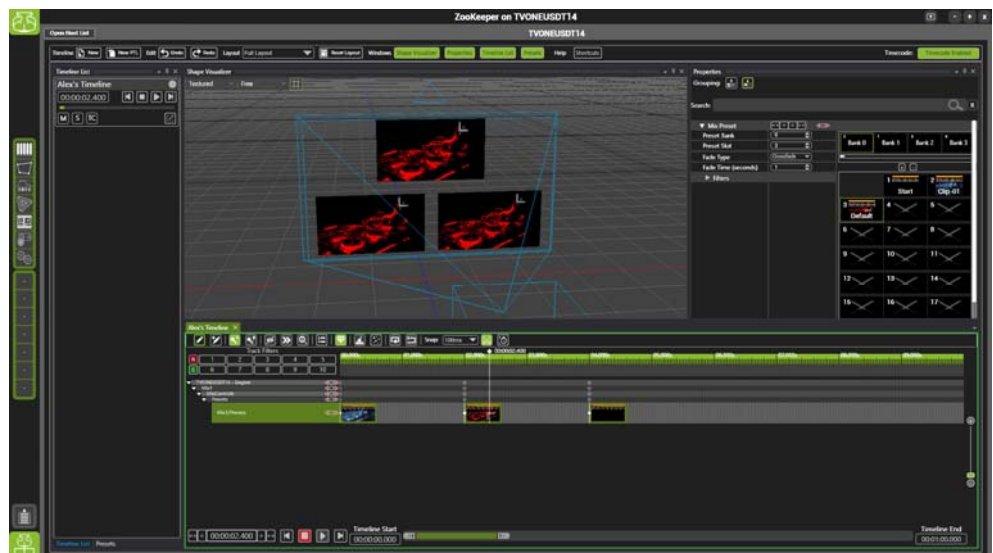
Distinctive features: • Compact LED COB for incredibly defined light projection • CRI 97 • Continuous light spectrum • Thermal regulation • Electronic performance control • Advanced software - Plus: COMPACT, LIGHTWEIGHT, STURDY  
Why choose them: • High-resolution dimming • Constant Color temperature during dimming • Up to 6 dimming curves • Current modulation function • Flicker-free • Silent mode

[spotlight.it](http://spotlight.it)

## Hippotizer v4.8 with Show Manager, Preset Timeline and Integration enhancements

Green Hippo has unveiled a Hippotizer v4.8 software update for its range of Media Servers, packing in an exciting range of new and upgraded features designed to power-up real-time media manipulation, playback and mapping. A major enhancement is Show Manager, facilitating complete control of multiple productions and installations at once. It allows users to easily save and load various shows on one Hippotizer Media Server, simplifying show management and switching between events. Within this, shows can be duplicated to enable quick modifications without affecting the primary show data, and each show can be easily labelled for one-glance referencing. For productions run by multiple users of one machine, shows can be locked to protect them from any unwanted edits, and the popular HippoLauncher can now be controlled by TCP Commands allowing to start up or switch into the designed show. Also upgraded is TimelinePlus, where pre-recorded looks can be easily transferred onto the Preset Timeline for quick, easy show programming. The Hippotizer SHAPE tool introduces Dockable Windows, aiding customisable workspace management and enhancing 3D project visibility.

[greenhippo.com](http://greenhippo.com)







# FLES (FENIX LED SUPPORT)

The new universal modular support for LED screen has been designed taking in account all the needs of an event. Easy to set up and stabilize, compatible with all kind of LED Screens. With FLES you can create curved profiles of LED screens adding the union hinge. FLES has been design focused on small details to maximize security, set up facilities and durability of professional appearance thanks to its textured black finish.

[fenixstage.com](http://fenixstage.com)



# Fenix PACQ-1000



Our new lifting tower, the PACQ-1000, can support 1,000 kilograms of load up to 8 meters high. Designed to charge sound and lighting equipment, like a PA tower, but compacter and safer, with ease of assembly thanks to an engine you can lift the structure and load, an innovation that provides a safe, compact and unitary transport that will avoid loss of parts and save time and assembly operators to set up.

[fenixstage.com](http://fenixstage.com)

## ADJ Eliminator Lighting Cosmic Burst



The Cosmic Burst is the latest new effect fixture from Eliminator Lighting. This laser moonflower creates hundreds of white, yellow, green, and blue beams which rotate back and forth to create mesmerizing patterns. A room-filling effect, it will generate razor-sharp aerial effects in a haze-filled environment or can be projected onto the ceilings or walls of a venue to create a futuristic backdrop for any party or event. Featuring a powerful 10W laser module with a 10,000-hour projected operational life, the Cosmic Burst generates a unique effect with a massive beam spread. Its laser output is diffracted into hundreds of separate beams that are reflected by two separate mirror dishes. Each dish offers independent bi-directional rotation at variable speed, allowing for the creation of a variety of different effects.



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[adj.com](http://adj.com)



## Avolites announces the replacement to its popular Titan Mobile product

Avolites, a world leader in the innovation of visual control systems, announces today, the news of the replacement of the globally recognized Titan Mobile, which has now ceased production. Avolites launched its smallest control surface the Titan Mobile in 2010, together with a companion wing. Over its twelve years of production, it has become trusted and depended upon world-wide by many thousands of users. Over the years the Titan Mobile has been equally at home powering live productions on all sizes of stage to major installations. Anywhere were a small footprint, reliable hardware and a powerful lighting software platform has been needed. Today,



we are pleased to announce the arrival this Spring of the new T3, the Titan Mobile replacement. Created in collaboration with leading lighting designers, the new T3 is the lightest, smallest, most portable console we have ever produced. It shares the new design language first seen in the Diamond 9, and together with the companion Wing they form an unbeatable portable control surface. The new T3 is the leading product in the PC powered, T-Series comprising of exiting products T1 and T2, now with the T3 and T3-W.

[avolites.com](http://avolites.com)

# The Virtual Production Revolution

Written By Lee Baldock

## Pt. 3 - Fix it in Pre

**From the filmmaker's point of view, virtual production brings control of the overall 'vision' of a production to the front end of the process – the pre-production. Traditionally, filmmaking has been a linear process – development, pre-production, production and post-production (with fingers crossed!). 'Fix it in post' became the get-out mantra for mistakes, omissions or afterthoughts during production.**

This all changes with virtual production. Instead, accurate pre-planning and previsualisation is not just possible, but essential. Storyboarding, art department, scenic design, shot-planning, scene blocking, choreography, visual effects and almost every other creative strand can carefully plan their work ahead of principal photography, through what's now termed the Virtual Art Department, all overseen by a Virtual Production Supervisor.

VP is about 'pre' rather than 'post'. In filmmaking, time is money and a great deal of both can be saved by the detailed proof of concept that virtual production enables. With so much of the final vision prepared in this powerful virtual world, previsualisation capabilities are immense. Previs can be so thorough that final pixel VFX can be captured in-camera – a major step forward.

Previs work can employ stand-in actors fitted with mocap sensors, and because the 'set' largely exists in a CG world, virtual camera positions can be used to test out shot choices. Of course, there's still ample opportunity for the director and DP to be creative during photography, but the previs can offer a timesaving starting point, one where most of the thinking has already been done.

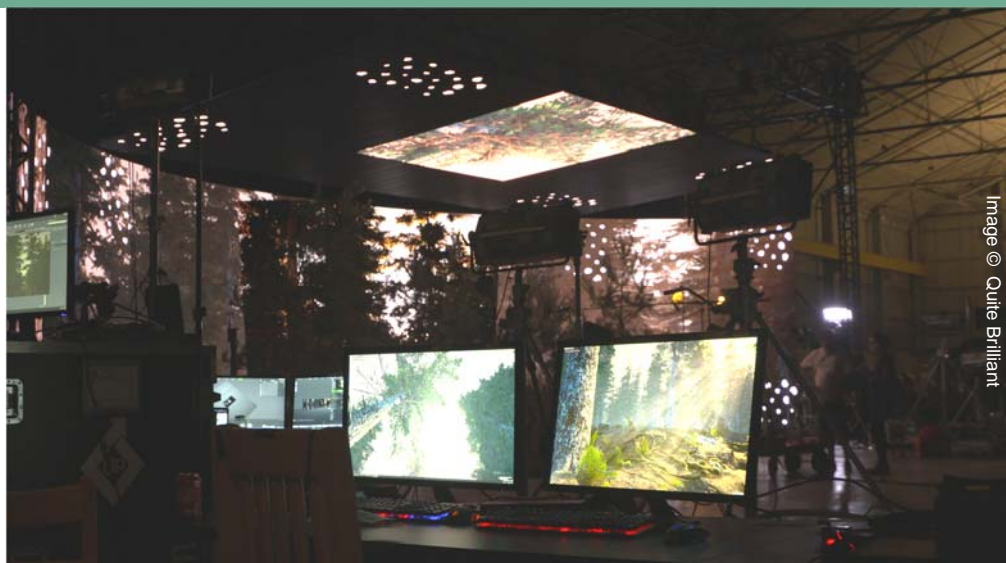


Image © Quite Brilliant

"Of course, there's still ample opportunity for the director and DP to be creative during photography, but the previs can offer a timesaving starting point, one where most of the thinking has already been done."

Virtual production gives the capability to previsualise a film in advance of photography, which presents a fascinating creative opportunity for filmmakers. The 2020 film *Call of the Wild*, based on the Jack London novel and starring Harrison Ford, was previewed to a test audience entirely in previs, using Epic's Unreal engine, before a camera was even used.

When it comes to location shooting, the savings – both financial and environmental – become very significant. Not having to physically transport a film unit and support

services to a remote location (for a few weeks of unpredictable shooting conditions!) is an attractive option for producers. Just capture a few minutes of the optimum sunlight conditions, take it back to the studio and use it at your leisure.

In a virtual background creation, lighting and scenic changes can also be implemented quickly from the Brain Bar, saving on hardware, crews and time. Want that shot at sunrise? You can have the sunrise all day long – or all night – if you like. Want the sun a bit higher? The light a bit warmer? Get rid of that rock? Done. In real-time. Creative teams can all contribute to and agree the shared vision for the production during the extended prep period - before the costs of studio time and talent are incurred.

### About the author

Lee Baldock has been involved in the live entertainment production industry since 1994 as a journalist, editor and public relations agent.

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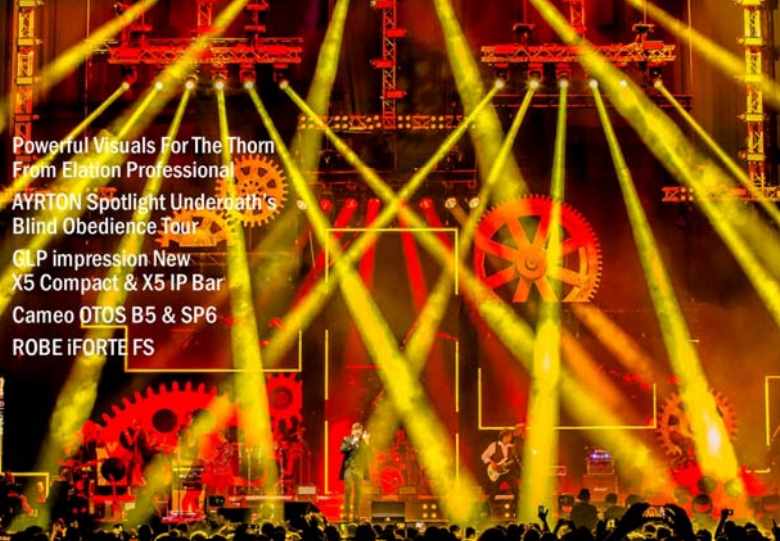
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