

For The Technical And Production Professionals in Asia



# LASERVISION Transforms Cairns Esplanade Into an Immersive Underwater World

**NEWS:** 

PP SOUND LIGHTS PRODUCTIONS BRINGS HOME INDIA'S FIRST DIGICO QUANTUM 338 ENNOVATION:
AYRTON RELEASES A HURACÁN ON
THE ENTERTAINMENT INDUSTRY

SPOTLIGHT: CLIFFORD D'COSTA Sound Engineer

W W W . E - T E C H A S I A . C O M



### The luxury of complete control.



ETC's flagship line of lighting control consoles offers a sleek control interface engineered for your comfort and customization. With generous programming surfaces and the power to run complex rigs, Eos Apex is the ultimate hands-on, professional workspace – powered by the ultimate control platform.

etcconnect.com/Eos





# CONTENTS



#### IN THIS ISSUE VOL 23 ISSUE 11 NOVEMBER 2022

04 FIRST WORDS 06 NEWS 30 VIDEO FILES

#### **ALEX COLUMN**

31 How Serious Are You About Your Job?

#### 32 ENNOVATION

#### **LIVE**

**42 AUSTRALIA:** LASERVISION Transforms Cairns Esplanade Into an Immersive Underwater World

**44 INDIA:** Anirudh's 'Once Upon A Time' Concert

Sizzles



#### **FIRST WORDS**

#### **NOVEMBER 2022**



DiGiCo's first Quantum 338 console has been brought to India by PP Sound Lights Production to up its game. Prasad Parkar, Director of PP Sound Lights Productions, highlights that the company has noticed over the past few years that most performers, artists and event producers have favoured DiGiCo consoles

because of the host of capabilities that they're known to offer. The console was immediately put to use and received excellent reviews. It is great to see companies investing and getting back firmly into the groove after years of turmoil.

**Thomas Richard Prakasam**Publisher / Editorial Director
thomas@spinworkz.com

To subscribe to Entertainment Technology Asia click here: https://www.e-techasia.com/subscribe



71, Bukit Batok Crescent, #06-13 Prestige Centre, Singapore 658071. Tel: (65) 6316 2716 www.spinworkz.com

Disclaimer: Entertainment Technology Asia is published 12 times a year. All rights reserved. No part of this magazine is to be reproduced, whether mechanical or electronic without the prior written consent of the publisher. Views expressed in this magazine do not necessarily reflect those of the editor or the publisher. Unsolicited contributions are welcome but the editor reserves the discretion to use them. Whilst every care is taken to ensure the accuracy and honesty in both editorial and advertising content at press time, the publisher will not be liable for any inaccuracies.

Please be informed that products and company names mentioned in this publication may be protected with tradenames, trademarks or registered trademarks of their respective owners. Our non inclusion of such symbols is not an indication of us not recognising the copyright but rather to have a common look across our articles. Misuse of tradenames, trademarks or registered trademarks is strictly prohibited. It is the obligation of our readers to check if company names and products are protected with tradenames, trademarks or registered trademarks.



Ram Bhavanashi Editor, India And Middle East ram@spinworkz.com



Julie Tan Admin & Circulation admin@spinworkz.com



David Lim
Director, Industry Engagement
Tel: +65 96835275
davidlim@spinworkz.com



Elton Noronha Features Editor elton.s.noronha@hotmail.com



**Hazel Gundaya** Design / Layout

#### **OUR COLLABORATORS**

**Rosalind Tan** Website Management Wizard

**PV Anthony** Server and IT Security Guru



# IMPRESSION **X**5

Watch the video:





#### The first washlight of a new generation!

High Efficiency Output without Compromise

Round face with a super narrow 3.5° beam to a vast 60° wash

High TLCI and TM-30 values for standard-setting light quality



# Student-organized Rock Concert Supported by Shure Axient Digital Audio



**SINGAPORE:** Rock Central 2022, an annual rock concert conceptualised and organised by the Audio Visual Production Management (AVPM) Club, a CCA in ITE College Central specialising in Audio Visual Productions, provided a unique learning opportunity for local students to garner hands-on exposure to what goes on behind the scenes in the Entertainment and Event Management industry.

Held at ITE College Central grounds and live streamed on social media, AVPM Rock Central 2022 relied on Shure Axient Digital Wireless System and Microphones to deliver clear and reliable audio for concertgoers and those watching at home via streaming. Professional audio support was provided by Shure's authorised distributor, Electronics & Engineering Pte Ltd. With nine bands taking the helm on stage, it was critical to have an audio system that was robust and resilient enough to handle their demands.

Haizan Salam, the technical officer as well as the founder and organiser of the event, was very pleased with the outcome. The crew was impressed with the simplicity and ease of use that Axient Digital provided. The system helped streamline set up and Wireless Workbench 6 allowed the production team to monitor and manage every facet of their gear from a laptop.

"With Axient Digital, RF scanning is a breeze given the wide range of frequencies available for use. ITE Central in-house venues use the same system with wider and more quantities and there are no frequency clashes," said Djasman Hussian, AVPM sound I/C and mentor for Staging and Sound.

"With the option of having digital and analogue gain, we chose the option of digital gain and analogue gain as a backup," continued Hussain. "The best part is there is so much output gain on the Axient systems that the signal-to-noise ratio is incredible, enabling FOH mix to work with so much ease. Equipped with 2 Active Directional Antenna, there are no drop outs or blind spots on stage. When the emcees go off stage, we were expecting signal drops, but nothing happened!"

The concert series included performances from artists who depend on Shure Axient Digital SM58 and Beta 58A handheld microphones. The audio quality was a true testament to Axient Digital's ability to deliver clear and high-quality audio in the most difficult RF environments. At one point in a performance, an operatic singer performed with a Beta 58 mic capsule that beautifully captured her voice amidst the sound of many distorted guitars being played simultaneously on stage.

Shure/Axient Digital

# SPREAD THE WORD









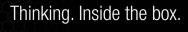


Compact, powerful and unobtrusive, NEXO loudspeakers combine even coverage and full range sound with excellent speech intelligibility to create the perfect system for worship spaces. Find out more about spreading the word at **nexo.sa.com** 





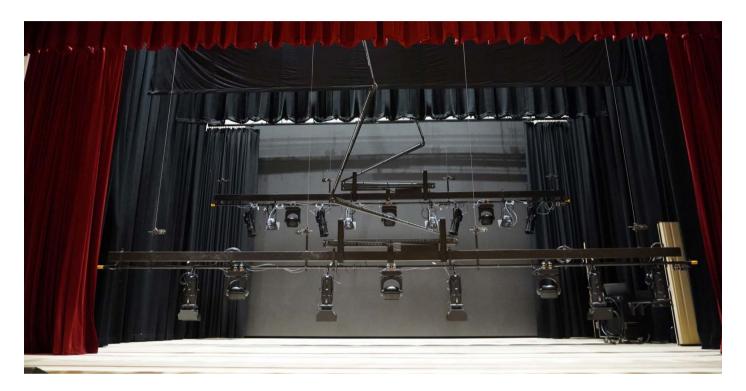








# ETC is Proud to Nurture Student Designers at New VSA Performing Arts Centre



HONG KONG: The Victoria Shanghai Academy (VSA) recently unveiled its new Performing Arts Centre, which has a capacity of over 1,100 people and offers more opportunities for students interested in the performing arts. The Performing Arts Centre is equipped with cutting-edge lighting and rigging technology from ETC, and a professional sound and display system.

VSA is an IB (International Baccalaureate) school located in the Southern part of Hong Kong. Dedicated to developing passionate, healthy and accomplished bilingual learners who are globally engaged, the school provides over 2,000 students with quality bilingual IB education and a high-quality learning environment for students to explore their talents.

The new VSA is committed to cultivating the interest in art and culture of students through engaging in various extra-curricular activities and enhancing the quality of education. The venue installed a comprehensive package of ETC products including rigging and luminaires. 18 x rigging hoists including Prodigy P1

Series, Prodigy P75 and Prodigy Flypipe Studio offer high accessibility to luminaires, acoustic panels, LED displays, and curtains. While the foundation desk ensures centralized, safe, and portable control of all hoists in the venue.

The x7 Color System in the Source Four LED Series 2 Lustr luminaires allow the student designers to create a deep rich colour that evokes strong audience reactions and enhances the quality of the performances. The high-quality lighting technology also provides easy access to sophisticated, professional, and premium-class theatrical lighting technology to students, and ultimately promotes art and culture in VSA and the local community.

ETC representatives noted that the company was "proud to be selected as part of the meaningful art-nurturing journey in the education industry."

**ETC** 





# **Key Figures in Robe International Sales Team to Move into New Positions within the Company**



Robe sales guru, Harry von den Stemmen to focus on his global key account manager role.

**GLOBAL:** At 70 years young, globe-trotting industry maverick and sales guru, Harry von den Stemmen, has announced that he will be taking life slightly easier in the immediate future as he steps back from his post as international sales director to continue working as a global key account manager as well as taking an ambassadorial role within the company.

He explained, "I celebrated my 70th birthday... and after 50 hard-working years in this amazing industry, the last nearly 20 as a public face of Robe, I felt it was the right time to adjust my work-life balance, turn in fewer hours and air-miles every month, and spend more time with my grandchildren and the many other hobbies and activities I enjoy in addition to work!"

Since 2003, Harry has been at the forefront of Robe's push to become a market leader in the world of moving lights and LED technology. His zeal and passion for the industry and the brand, coupled with his understanding of diverse cultures, mindsets, and approaches to commerce, plus an amazing set of connections have helped build Robe's dynamic long-term worldwide

distribution network from the ground up. This has been the bedrock of the company's success, together with Robe's innovative product development strategies.

Josef Valchar, Robe s.r.o.'s CEO stated, "Harry has been absolutely pivotal to building our brand on a global scale. His massive fund of experience, insights, attention to detail and unparalleled diplomatic skills have been among our greatest strengths, so we were all delighted when Harry indicated that he would like to continue being a valued part of our Robe team in an adjusted role."

This will see Harry continue to travel, although not at quite such a furious pace, and spend time working on Robe special projects in selected regions. He will still manage specific global territories and will be engaging with some key communication and promotional activities that underscore Robe's strong brand identity, customer loyalty and commitment to a sustainable future.

"There are plenty of challenges ahead with much to look forward to, most of all remaining in the industry and collaborating with people I admire and respect,"





New Robe International Sales Director, Ingo Dombrowski.

commented Harry, admitting that he intends to fully enjoy his additional time, although much of it is already allocated!

Stepping up as international sales director while Harry takes on the new role is Ingo Dombrowski, who has been with the company for 18 years and also played a significant role in Robe becoming a worldwide player. Well known for his technical acumen, lateral thinking and organisational skills, Ingo will initiate, coordinate and spearhead international business together with the international sales force and Robe's subsidiaries.

"I'm very honoured that Josef and Ladislav (Petřek, cofounder and co-owner of Robe) are putting so much trust in me, and I look forward to dealing with the challenges and work ahead, and to proudly continuing the Robe success story!" he noted.

Ingo feels that reliability and future proofing have contributed massively to the brand's rising star, together with keeping a sharp ear to the ground, listening to the client and end-user needs and incorporating that input into the products. This proactivity will continue to underpin the product development cycles 'on his watch' he confirmed.

Josef concluded, "I am confident that Ingo's expertise and knowledge will help provide continuity in the international sales director role at this critical time. "Robe's market position today is the result of some highly creative and talented individuals with many specialities working together as a brilliant team. We have always believed in investing in 'human capital' and in putting its empowerment, energy, imagination, and inspiration at the core of our operation and our family."









swiss lifting solutions

**GIS AG** | swiss lifting solutions | CH-6247 Schötz | Phone +41 41 984 11 33 tel@gis-ag.ch | www.gis-ag.ch



### Procom Middle East to Distribute Adamson in the UAE and Saudi Arabia



MIDDLE EAST: Adamson Systems Engineering has appointed Procom Middle East as its distributor in the UAE and Saudi Arabia. Procom is a leading GCC & Middle East distributor of professional audio and lighting equipment. It is one of the most trusted names among the region's AV professionals including rental companies, integrators, music venues, and in the hospitality sector. Procom offers customers project and product support resources across the region from its state-of-the-art showroom and demo space in Dubai and has a service centre that will help administer Adamson's factory warranty.

As part of the agreement, Procom will assume responsibility for marketing, sales, and support of Adamson's products in the region. In its inventory, Procom will carry the complete range of products, including all line array, subwoofer, and point source cabinets, as well as Adamson's I/O Distribution units. Procom will have multiple demo systems in Dubai, including an immersive audio installation featuring the new Adamson Fletcher Machine.

Launched earlier this year, the Adamson Fletcher Machine is an immersive audio tool that is considered one of the most advanced and versatile in the industry, relying on both amplitude and time localization so objects are clearly perceived in their intended position.

"In Procom we found the ideal partner for Adamson," said Jasper Ravesteijn, Adamson's EMEA sales director. "Initially, we began working with Procom for Saudi Arabia. Their professional attitude and limitless enthusiasm made us expand the partnership to include the UAE as well. We at Adamson are all excited to work with Procom and expand our network of satisfied users in the region."

"Adamson has strong brand recognition among audio professionals in the region. This potential can be unlocked with hands-on product demonstration, support, training, and, last but not least, product availability. We intend to deliver exactly that" noted Rami Harfouch, Business Development Manager at Procom.

Kiran Tauro, Adamson Education and Applications
Engineer for the Middle East, Africa, and Turkey will be
working closely with Procom on training, design, and
system implementation. The meticulous craftsmanship
and attention to detail, together with compelling and
cutting-edge technology, have made Adamson a brand
synonymous with audio excellence and distinction on the
world scene. Adamson representatives agree that "it is
time for the Middle East to experience this."

Adamson





ISE is the world's leading show for professional audiovisual integration. Discover the latest AV solutions that deliver unforgettable experiences.

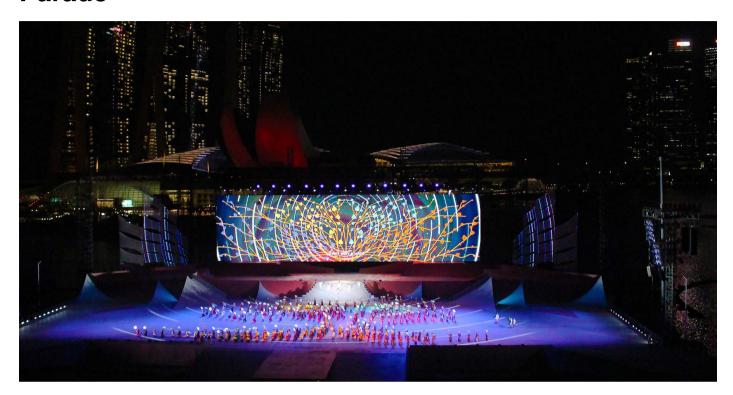


Get your FREE TICKET! Register with code: entertaintech





### **Ayrton Domino Shines for Singapore's National Day Parade**



**SINGAPORE:** Ayrton's official distributor in Singapore, Total Solution Marketing Pte Ltd, recently sold 40 x Ayrton Domino LT luminaires to **Showtec**, one of the largest rental companies in South East Asia. The fixtures were subsequently used for the prestigious Singapore National Day Parade.

Showtec carries a very extensive range of equipment for every kind of event. Its inventory is backed by a team of highly proficient technicians who achieve fantastic results for everything from intimate concerts to large-scale outdoor events.

Henry Ang, the founder of Showtec, chose Ayrton Domino LT to not only boost his rental stock but also specifically for the National Day Parade. "We chose Ayrton Domino LT after a lot of research comparing it against other major moving light brands at the Prolight + Sound Frankfurt exhibition," he explained. "We found Domino LT to have the best combination of being IP65 rated, with an extremely bright LED engine, flat optics, great colour and good quality graphics.

Adding, "It was also very important for us to have good local support from the Ayrton distributor, Total Solution Marketing." Domino LT is the first all-terrain LED luminaire in Ayrton's 'Long Throw' range designed for intensive outdoor use in long-distance applications requiring extremely high precision.

"We are very grateful for the trust from Showtec on Ayrton products and thankful that they are the first company in Southeast Asia to choose and believe in the performance and durability of the Domino LT", commented Tevin Heng, executive director of Total Solution Marketing.

"The Domino LT fixtures were immediately put to use for the National Day Parade 2022, which had two months of weekly rehearsals before the actual show on 9th August 2022," noted Ang. "Everybody was very happy with its long throw ability and qualities and, most importantly, the fact that it is extremely rugged, well-built and looks good."



Singapore NDP lighting designer James Tan and associate lighting designer, Low Wee Cheng, were the first users of the Ayrton Domino LT for the prestigious National Day Parade. "We were first introduced to the Ayrton Domino LT by Henry from Showtec as there was a need to find a suitable IP65 protection rating luminaire for NDP22," explained Tan. "The total stage area this year was vast. The lighting coverage needed to accommodate the side-lighting of a large number of performers on the main stage deck, but also avoid some of the key projection looks.

"The Ayrton Domino LT, with its 4 individually positionable shutter blades and flexible rotating framing system module, gave us the ability to create almost theatre-like side lighting that could both punctuate the performers, but also avoid getting in the way of extensive projections on deck.

"We were particularly impressed that the Ayrton Domino LT could also efficiently double up as a beam light for air effects with its flexible beam aperture that could be reduced down to 3.5°, but yet not lose effective lighting output. This was especially evident during the finale segments of the NDP22 where their performance could almost match other dedicated beam effect spot movers.

"Overall, the Ayrton Domino LT exceeded our expectations on all fronts and allowed us to vary our lighting design, undoubtedly serving as a versatile and reliable multi-function luminaire designed for intensive outdoor use."

Low Wee Cheng was also impressed by Domino LT's weatherproof qualities: "The Ayrton Domino LT is not only a bright lighting fixture, but its IP65 rating makes

it an ideal lighting fixture for NDP 2022 as it had to last through the entire setup and show in the hot sun and heavy rain."

Safiee Sawal, project manager for Showtec, agreed: "The Domino LT's durability and high build quality were great for the National Day Parade. We placed 32 fixtures outdoors without any cover or shelter for almost two months – there were some minor issues which under such harsh outdoor conditions for that amount of time is to be expected, but Total Solution Marketing provided us with a quick service turnaround and everything went extremely smoothly. Domino LT is the brightest long throw LED moving light profile we have ever seen – it has a very good beam quality and great colours."

"We are excited to see Henry Ang and Showtec acknowledging, with their choice and investment, both the performance and quality of Ayrton products", commented Michael Althaus, Global Sales Director of Ayrton. "It's great to welcome yet another big player in the fast-growing Ayrton community."

Ang concluded: "We are very happy with the performance and acceptance of Domino LT by lighting designers, and my technicians love it too. Going forward, the fixtures are already booked for other shows and they will be moving into the National Stadium one week after the NDP bumps out. We are keen to add more of these fixtures as we transition our lamp-based moving lights to LED. The Domino LT ticks all the boxes."

Ayrton/Domino LT



### Tongsuh Technology Forms Distribution Partnership with Adam Hall Group and Cameo



**SOUTH KOREA:** With Tongsuh Technology Co. Ltd, a provider of event technology with more than 25 years of experience in the field of professional lighting and stage technology, the Adam Hall Group continues to expand its global sales network. With immediate effect, Tongsuh, one of the top distributors in South Korea, will take over the country's sole distribution of Cameo products.

"We are very pleased to form a partnership with Cameo and the Adam Hall Group," noted Shin Hyunryang, president and founder of Tongsuh Technology Co. Ltd. "In consideration of the market and demand diversification, Cameo is an excellent match for our portfolio. We anticipate significant growth in the Korean market in the future, given the size of the company, product reliability, members' enthusiasm, and investment in new products."

Glenn Lin, business development manager APAC, Adam Hall Group, concluded: "With Tongsuh, we have an experienced distribution partner for the rental and fixed installation market with an excellent network. Tongsuh brings an impressive list of references, whether it's in theatres, event centres, TV/broadcasting, or in the field of education. We are looking forward to the future cooperation and the first Cameo reference projects in Korea."

Cameo

### Nik Gledic to Oversee Strategic Direction of Adam Hall Group's Global Sales



**GLOBAL:** Nik Gledic, 46, has been hired by the Adam Hall Group to fill the newly formed role of global sales director. Gledic, who is based in Germany, is now in charge of the strategic direction and execution of

the company's global sales division.

"The development of the Adam Hall Group as an international key player in the field of event technology has impressed me for many years," explained Nik Gledic. "For this reason, I am all the more pleased to follow this path and to shape it even more successfully in the future. At Adam Hall, I encounter an extremely human, modern and open corporate culture with a highly motivated team that is eager to continue driving growth and success with passion. This ultimately convinced me that the newly created position of Global Sales Director at Adam Hall is the right challenge for me."

The job places a strong emphasis on developing the core market, expanding operations internationally, and implementing the AV installation sector successfully.

Markus Jahnel, COO of Adam Hall Group, said: "Nik is an extremely experienced sales professional with whom we can implement our strategic vision for the global sales area even more comprehensively in practice. We have ambitious goals and want to make the Adam Hall brand – as well as our individual Cameo, LD Systems, Palmer and Gravity brands – synonymous worldwide with innovative event technology solutions, reliable partnerships and customer orientation. In his role as Global Sales Director, Nik Gledic will be a key part of this."

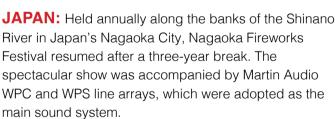
Adam Hall





# Martin Audio Wavefront Precision Brings Explosive Sound to Nagaoka Fireworks





The Festival was inaugurated as far back as 1879 and since World War II has been held annually with the hope of achieving world peace. In 2019 it boasted a record 1.08 million spectators around the world, making it one of the three major fireworks festivals in Japan.

Although the main audience area spans approximately 500m x 200m, the height of the sound system is limited to under 3m in order not to block the view of the fireworks. To meet this requirement, multiple small systems were installed and distributed over the entire audience area.

MIC LLC and Yokinsha Co. Ltd. both brought 12 x WPC and 4 x SX218 subwoofers to the event, while



Niigata Shomei Giken Co. Ltd. brought 16 x WPS and 6 x SXCF118—set at 50m intervals. The requirement for the system was to broadcast background music, commentary from the MC and emergency announcements, bringing clarity and high intelligibility across the entire audience area during the fireworks display.

Describing the event, Endo of MIC LLC, the audio general producer, noted, "I have tried various systems from many manufacturers over the years, but the Martin Audio system was the only one that was able to provide a consistent experience for visitors over the wide audience area, during the explosive sound of fireworks. The reason why we were able to mix WPC and WPS without any discomfort was due to the uniformity between the various Martin Audio products."

Martin Audio/WPC



#### **CTME Brings HOLOPLOT to the GCC**



**UAE:** HOLOPLOT, a pro audio firm with headquarters in Berlin, was invited to demonstrate the HOLOPLOT X1 breakthrough audio technology to clients, friends, and partners at Creative Technology (CTME)'s headquarters in Dubai.

The HOLOPLOT X1 Matrix Array represents an entirely new category of audio technology, delivering a previously impossible level of control over sound and audio reinforcement. The immersive audio system can be used across a multitude of live events but also in immersive spaces, attractions, visitor centres and museums within the systems integration sector.

Wissam Shaheen, head of Audio, commented "Having such control in horizontal and vertical planes is indeed something we audio geeks only fantasised about not too long ago. Exceptional sonic control no matter how acoustically challenging an environment is shows how advanced this technology really is. After experiencing the system sounds, they are phenomenal, even in an L/R standard setup."

"We are proud to have been the first in the GCC to have demonstrated the revolutionary capabilities of the HOLOPLOT X1. After a very successful Open Day... at our headquarters in Dubai, the feedback we have received from our valued clients and colleagues has been overwhelming. CTME are very excited for future collaborations and working alongside HOLOPLOT," said Andy Reardon, managing director, CTME.

"CT Middle East's X1 Open Day was a milestone moment for HOLOPLOT as we debuted the powers of X1 to AV industry professionals in the GCC. The CT Middle East team, their clients, and partners showed a genuine appetite for audio innovation, matching too with our ambitions to be best in class. Whether delivering unparalleled coverage and intelligibility in challenging acoustic spaces or unlocking new levels of creative potential, we're confident that with CT Middle East, X1 has an exciting future in the region." Ryan Penny head of sales at HOLOPLOT.

Creative Technology Middle East



### PROLIGHTS Astra Wash7Pix Gets Cue(d) Up for More Shows



**AUSTRALIA:** The Cue Company has recently purchased 14 x PROLIGHTS Astra Wash7Pix. "It just seems to hit every single mark," said Rob Ness of The Cue Company. "It's a go-to fixture with every selling point you can imagine right now - all at a great price!" Ness particularly liked that the Astra Wash7Pix has the same LED chips as other leading manufacturers.

As well as more obvious features such as compact size, speed, brightness, pixel control and multiple on-board FX, Ness appreciates the versatility the 4° to 56° zoom range offers and of course, quiet operation is a bonus in a studio setting. "We wanted a fixture that would match other manufacturer's fixtures and we found that going with a name-brand LED chip inside of the unit helps us match it with other units out there," he explained.

"They are extremely useful for a bit of backlight and keylight during filming and streaming," commented Ness. "It's easy to get into the menu system and change the LED chip frequency which is a huge pain in the butt with other manufacturers' products. In fact, PROLIGHTS has made it very simple to get in and around the menu, a lot faster than anything else I've ever used. We have already saved significant time on menu use looking for settings, then trying to replicate that per fixture.

PROLIGHTS/Astra Wash7Pix



# A Few Weeks in the Life of The P.A People - Event Communications Department



#### AUSTRALIA: The P.A. People's Event

Communications team continues to deliver technical solutions and equipment for a broad range of local and international clients - from CCTV, trackside PA and Venue Audio, noise monitoring, wired and wireless comms, two-way radios, and critical signal infrastructure.

With teams covering events both in Australia and overseas, the Event Comms department has had a busy spring season. In recent weeks the team have been supplying comms solutions for:

- City2Surf, 'the world's largest Fun Run' brings 80,000+ people together from all walks of life to run, jog, walk or stroll the iconic 14km course from Sydney CBD to Bondi Beach
- FIBA Women's World Cup Basketball at Qudos Bank Arena - the 19th edition of FIBA's premier international tournament for women's national basketball teams
- NRL, NRLW, and Australia Cup Grand Finals Commbank Stadium hosted the Australia Cup final between NSW NPL side, Sydney United 58 FC and A-League club Macarthur FC and Accor Stadium hosted the NRLW (Newcastle Knights vs Parramatta Eels) and NRL (Penrith Panthers vs Parramatta Eels)

- Monster Jam Stadium World Tour returned to Sydney, at Accor Stadium - slated as the 'world's larger than life motorsport'
- •Saudi Opening Season Parade in Riyadh the Saudi capital celebrates the start of Events Season with a grand opening parade a state-sponsored annual entertainment and sports festival, part of the larger Saudi Seasons initiative
- Sydney Kings, (the 2021 Champions) new 2022
   Season at their Qudos Bank Arena 'home court'
- Australian Motorcycle Grand Prix, part of the Grand Prix motorcycle racing season has been run at the scenic Phillip Island Grand Prix Circuit south of Melbourne, Victoria since 1997.
- "Our teams have been active since COVID-related event restrictions eased... and we're excited to be 'back on the road' serving our valued clients and doing what we do best," said Nicky Dodds, manager of the Event Communications team.

P.A. People



### ViewSonic Fuses Technology and Art to Create an Immersive and Interactive Exhibition



ViewSonic's 65" ViewBoard interactive display.

**TAIWAN:** ViewSonic Corp partnered with the Taiwan Women's Art Association (TWAA) to create immersive art experiences at the "Love and Hope – 2022 World Women's Art Festival". With continuous efforts to encourage creativity, ViewSonic provided cutting-edge projectors, touch displays, and large-format interactive displays to enhance the exhibition experience. Visitors interacted with 98 pieces of artwork from 70 female artists that demonstrated the strength and resilience of women.

"We are glad to be a part of this collaboration and provide artists with our visual solutions to create more diverse artworks. ViewSonic is committed to inspiring the world to see the difference between the ordinary and the extraordinary," said Steven Yu, senior global marketing director at ViewSonic. "Through this partnership, not only we were able to support art and the fight for gender equality, but we were also able to transcend barriers, spreading love and hope around the world."

In the exhibition, ViewSonic's projectors use interlaced light and shadows to immerse visitors in the artwork. For instance, "The Hot Zone" by Cynthia Lin is projected onto a wall to present the gradual decay of brain cells in a person with Alzheimer's disease, whereas "Forest of Enchantress" by Xiao-Hua Dou portrays a woman's inner self, expressing their love and awe for life.

"Since TWAA's establishment in 2000, we have taken the concept of we/women as a collective entity to examine history more closely," said Jun T. Lai, chairwoman of TWAA and chief convener of the festival. "The 2022 World Women's Art Festival reflects our beliefs. Through the power of contemporary female artwork in Taiwan and conversations between women's art groups around the world, we were able to create a momentum in the post-pandemic era for people to start a new chapter in their lives."

Additionally, ViewSonic's 65" ViewBoard interactive display and a 24" touch display were placed in the rest area. Visitors could interact with the displays to learn



more about the festival and the concept behind the exhibition.

The exhibition also displayed the artworks of renowned female artists. Created by Mali Wu, Taiwan's first female winner of the National Award for Arts, "Awake in Your Skin: Bedsheets of Soul" was a red heart-shaped textile installation. A behind-the-scenes documentary was projected alongside the installation to articulate how the comfort of using a bedsheet contrasts the perseverance that goes into creating one, highlighting the tenacity of a woman's femininity.

"Combined with the projection technology and the use of textiles, a familiar medium, the artwork reflects the complexity of a woman. Audiences can appreciate the effort that went into creating the bedsheet, challenging the preconceptions of traditional household activities," Wu stated.

Dedicated to creating new media art, artist Chu-Yin Chen has won various digital art awards in Europe. Her work "Enactive Painting" utilizes ViewSonic's laser projectors to create an interactive wall. Through waving and moving their body, visitors can create images on the projection, creating a truly interactive experience.

"By using sensing technology to detect human gestures, visitors are invited to collaborate with the artwork. The advanced sensing technology registers body movement and transforms them onto the projection," said Chen. "To create a more dynamic and immersive experience, traditional colours used for weaving by the indigenous people are also integrated to produce vibrant strokes." Another artwork, "Wang-Shih's Memories" by artist Chun Chen, used projectors to deliver a large-sized blank backdrop, allowing viewers to immerse themselves in Wang-Shih's story and have a better chance at understanding her life.

Viewsonic



### Dante Brooklyn 3 AV Networking Module Now Shipping



**GLOBAL:** Audinate's Dante Brooklyn 3 audio networking module is now shipping to customers. The new module is a pin-compatible replacement for one of Audinate's most popular products, Dante Brooklyn 2, which has been redesigned to ensure continuous availability while delivering support for current and future Dante features.

The Dante Brooklyn module family is a widely deployed implementation of Dante and is used in hundreds of products including mixing consoles, DSPs, and amplifiers. The new Dante Brooklyn 3 audio module is available in 8x8 to 64x64 channel SKUs, delivering ultra-low latency networked audio in a complete module supporting the complete suite of Dante audio features.

"With the arrival of Brooklyn 3, we're delivering a new design that will help original design manufacturers address supply chain constraints and maintain production while delivering a product to customers that will support future Dante features," said Chris Ware, Audinate's senior vice president of Product Development. "Because this new module is a direct replacement for earlier versions, manufacturers can begin using them in production today."

Dante Brooklyn 3 is compatible with all other Dante devices and can be routed, managed, secured and monitored using Dante Controller and Dante Domain Manager.

Audinate/Brooklyn 3

### Robe Lighting Purchases Artistic Licence as Part of Strategic Growth

**GLOBAL:** Robe Lighting has agreed to acquire Artistic Licence, the originator of Art-Net. Artistic Licence's initial focus was mostly on theatre lighting technology and rock 'n' roll. However, by concentrating on the design and production of solutions for the more technically challenging projects, the company has grown and diversified to solidify a strong position in the architectural and commercial worlds.

"This is a great acquisition for Robe", stated Josef Valchar, CEO of Robe Lighting s.r.o., "It provides products that complement our own production, and will add value to sales made throughout our global distribution network".

The acquisition of the Artistic Licence business and products is an important part of the strategic growth plan of both Robe and Anolis brands. This purchase from Singularity UK holdings Ltd. has also enabled an ongoing product design agreement.

"I look forward to helping develop the Artistic Licence business using the significant Robe subsidiary and distributor network," said Artistic Licence founder, Wayne Howell. "I am also excited to be involved with new product development for a brand-leading business that has always been a key industry innovator".

Robe Lighting



#### Riedel Acquires IP Specialist SDNsquare



Henry Alexander, CEO at SDNsquare with Rik Hoerée, CEO Product Division at Riedel.

**GLOBAL:** Further investing in technological knowhow around the fast-growing business of live IP infrastructures and networks, Riedel Communications has expanded its competence team in the area of real-time IP network orchestration and SDN (Software Defined Networks) control, enriching its fast-developing range of video solutions, with the acquisition of SDNsquare.

Belgium-based SDNsquare is the technology provider of cutting-edge Software Defined Network solutions for complex and demanding IP-based media installations. Its technology has been used in numerous IP-based projects and deployed by its customers in major sporting events such as the Tokyo Games, Roland Garros, and European Athletics Munich.

"SDNsquare is a recognized innovator when it comes to Software Defined Network orchestration in media," said Rik Hoerée, CEO Product Division at Riedel. "We are very excited to welcome the SDNsquare team to the Riedel family, integrate their technology into our future products, and grow its capabilities to help make IP simple for our customers."

Henry Alexander, CEO at SDNsquare, commented: "Being part of the Riedel family ensures continuity and further development of our core technology. The SDNsquare team will now be integrated into the Riedel R&D and Customer Success team and will continue to work from their offices in Ghent, Belgium."

Lieven Vermaele, co-founder and chairman of SDNsquare, added: "This step will help accelerate the innovations around SDN orchestration and embed this in future Riedel solutions, letting a larger group of customers benefit from this technology."

"This acquisition underlines our commitment to continue investing in technology as a driver for future innovations and growth," concluded Thomas Riedel, CEO, and founder of Riedel Group. "We are very excited about the powerful synergies resulting from the interaction between the SDNsquare team and our Network, Product and Managed Technology Divisions."

#### Riedel Group



### PP Sound Lights Productions Brings Home India's First DiGiCo Quantum 338



(L-R) Prem Bhoir and Prasad Parkar of PP Sound Lights Productions.

**INDIA:** Mumbai based audio lighting and production rental services company PP Sound Light Productions has recently invested to acquire a brand new DiGiCo Quantum 338 system; thereby earning the company the distinction of being the first in India to do so. The purchase and procurement was facilitated by New Delhi based DiGiCo authorized distributor, Hi-Tech Audio & Image LLP.

Making sense of the purchase from a business perspective, Prasad Parkar – Director of PP Sound Lights Productions notes, "Almost every musical and large show that comes in for inquiry, specifies DiGiCo; and we've noticed over the past few years that most performers, artists and event producers alike have favoured DiGiCo consoles because of the host of capabilities that they're known to offer. So, we've been pondering the decision to invest in a DiGiCo console system for quite a while now. Fortunately, the availability

of the Quantum 338 in India came in at an opportune moment – and this pretty much made it a default option for our purchase consideration, owing to the fact that the console sports an undoubtedly advanced set of features and capabilities. We knew that the being the first in India to acquire the Quantum 338 would not only assure us maximum ROI, but would also allow us the capacity to offer the very best in sound, features, performance, and reliability to our clients and the performing artists that we work with."

Nirdosh Aggarwal, Director, Hi-Tech Audio & Image, shares his comment on the purchase as he affirms, "Equipment must be accessible to all the live industry users in India. That's one of the corner-stone of our business. At PALM Expo 2022, DiGiCo provided us a Quantum 338 to showcase. Our patrons and prospects were really excited to have a hands-on demo of the console at the expo. The groundbreaking innovation from DiGiCo are always well received globally as well as in

#### **NEWS**

India. I would like to acknowledge Ian Staddon's effort and ceaseless support by providing us the Quantum 338. We are overwhelmed by associating withPrasad Parkar by offering him the first Quantum 338 in India. We are very positive with this association with PP Sound Lights Productions."

PP Sound Lights Productions wasted no time in deploying their newly acquired DiGiCo Quantum 338 system for a high-end corporate conference and award ceremony which took place at the Taj Resort & Convention Centre in Goa; where Indian Idol fame singer Pawandeep Rajan performed with his band. "The Q338 was deployed as the main FOH console; and HiTech Audio & Image's application engineer for DiGiCo, Satyam Rajvanshi provided on-site technical assistance and support for the event. The console has garnered a lot of praise from the performing artists as well as the guest sound engineer Rupjit Das who mixed on the console during the gig," shares Prem Bhoir – CEO of PP Sound Lights Productions.

"The Quantum 338 scores really high points when it comes to being ergonomically stylish, functional and powerful. The interface is smooth, friendly, familiar, and adaptive; while also sporting certain functions that are specific to the Quantum range, such as the True Solo function, Spice Rack plugin style native FPGA processing options, and of course, the Mustard and Nodal processing options. The important thing with the Quantum 338 is that it supports DMI Cards and therefore Dante, which enables us with the capacity to provide a network enabled solution for intricately complex events and all types of major productions – from tours to festivals to high-end corporate events" he continues.

Sharing his experiential feedback on the performance of the DiGiCo Quantum 338, Rupjit affirms, "I've been doing live sound for nearly five years now and have always preferred using Digico SD series consoles. I like the pre amp, there is good level of warmth in the tone and compression, reverb, etc and the effects are spot on. It was my first time using DiGiCo Quantum 338 at Goa. Satyam Rajvanshi from the Hi-Tech Audio & Image team was constantly with me and introduced me to the new features on this console, and I thoroughly enjoyed it.

The nodal processing was very good. I used spice rack (Chilli6) on the master and mustard processing optical compressor, which ensured that the vocals were very smooth and clear".

The PP Sound Lights Productions team once again deployed the Quantum 338 for another event in Mumbai soon after, where Farhad Daruwalla - one of India's finest live audio engineers - was at FOH. "DiGiCo consoles have been at the top of my preferred console list for the past 12 years. Their SD series consoles had been a game changer since day one and now they have taken it a step further with the new generation Quantum desks. Easy to use flexible workflow, roadworthy reliability, great sounding head amps combined with their premium Mustard and Spice Racks negates the use of any external hardware or plugins for most of my artists. They have taken user feedback received for their SD desks and incorporated the changes in these stellar sounding Quantum consoles. A big thanks to PP Sound Lights Productions for the opportunity to use the first Quantum 338 in India and for the flawless techs provided for my artist" shares Farhad.

"We are already seeing a positive feedback with the arrival of Quantum 338. The possibilities are many with DiGiCo consoles and the dynamic features of Quantum are cutting-edge. As a distributor it is our sole responsibility to work hand-in-hand with rental owners and audio engineers to figure out how we can give them the professional edge with DiGiCo. More trainings, more workshops on DiGiCo consoles are on our agenda to achieve. Such marketing activities will boost the confidence of our target audience and answer their queries. Just like we were able to market DiGiCo SD-series, we are very much confident that we will carve out a place for Quantum series too in live entertainment industry in India," concludes Rajan Gupta, Director of Hi-Tech Audio & Image.

**PP Sound Lights Productions** 

HiTech Audio & Image



### Rajan Amplifiers Updates Existing Inventory with Procurement of Brand New Lighting and Sound Equipment



INDIA: Widely regarded as Rajasthan's premiermost rental services outfit for live events of all scales and applications; Jodhpur based Rajan Amplifiers have recently actioned a sizeable investment into expanding their current inventory portfolio with the inclusion of world-class gear from industry leaders Martin Professional Lighting by Harman, db Technologies and PioneerDJ. The new purchases join the company's existing cache of impressive technologies from reputed brands like AVID, DiGiCo, Shure, JBL, d&b Audiotechnik and much more; with this move, according to the company, now allowing them greater leverage to capably commission an even more diverse profile of events.

A whole new line-up of over 22 units of the dVA – T12 line array modules along with over 16 units of the dVA S30 N SUB high-performance subwoofers from db Technologies joins Rajan Amplifiers' existing loudspeaker inventory. This purchase is indicated as a strategic move by the company to add a comprehensive system that's flexible, scalable and adeptly compatible with their existing loudspeaker systems, thereby allowing the company better dexterity in terms of commissioning a wider range of events at any given time.



Speaking about the purchase, Anil Panwar, director of Rajan Amplifiers Pvt Ltd, informs, "Our decision to purchase the new db Technologies system was a strategic move that now puts us in a commanding position to efficiently meet the varying needs of different clients and different types of events", as he proceeds



to emphasize that the purchase now makes Rajan Amplifiers the only company in all of Rajasthan to offer a comprehensive db Technologies line array system as part of their repertoire.

The purchase of the db Technologies system is complemented with the addition of an extensive infrastructure that includes the procurement of over 50 units of the powerful RUSH MH11 beams and over 32 units of the ultra-efficient Mac Aura XB RGBW moving head washes – both from Martin Professional Lighting by Harman.

About this purchase, Anil explains, "While the smooth wash credentials make the MAC Aura absolutely brilliant for conferences and other similar classy indoor events, one cannot deny that it is a powerful and compact fixture that offers accurate colour reproduction while being ideal to use in multiples to create large format productions. At the same time, it also looks great on camera - thereby making it absolutely appropriate for the kind of high-profile events that we commission, which ranges from award ceremonies to large format music concerts and more. On the other hand, the RUSH MH11 exudes powerful performance value, and offers an impactful illumination experience that can add much needed zing and glitz to any event."

Rounding off the purchases, Rajan Amplifiers also invested into expanding its existing inventory of professional DJ equipment with the procurement of the brand new CDJ 3000 Nexus system from Pioneer DJ. According to Anil, the motivation behind this purchase decision mainly boiled down to the steady increase in the number of live events in the region that spotlight world-class local and international DJs and electronic music artists.

#### Rajan Amplifiers

### Martin Audio and Optimal Audio "Couldn't Be Happier" with New Global Marketing Manager



GLOBAL: Jamie Gomez has been appointed to the position of global marketing manager for Martin Audio and Optimal Audio. Jamie moves to his new position from within the wider Focusrite Group, where he was GMM for Focusrite Pro.

A marketing professional with a strong audio background, Jamie specialises in brand development and digital marketing. He also spent time with Pioneer PRO AUDIO developing an in-depth understanding of sound reinforcement before his move into the world of networked audio, recording and post-production at Focusrite PRO.

"The opportunity to return to the world of sound reinforcement and loudspeakers with not one, but two exceptional brands, is a unique and irresistible challenge, and one which I'm very excited to take on," said Jamie. "With Optimal Audio, the chance to work on what is effectively an exciting start-up brand with an innovative edge in the commercial sector dovetails brilliantly with the more established market leader Martin Audio side of the role."

James King, marketing director for Optimal Audio and Martin Audio, couldn't be happier with the new addition to his team: "Jamie has a bold outlook towards marketing that I know will go a long way to accelerating the rise of the fledgling Optimal Audio brand as well helping to freshen and further the more established Martin Audio."

Martin Audio



# Feel the Thrill with Ayrton's Reinvention of the Wash Luminaire



The Huracán Wash was created to meet the demands of the most discerning users. It comes factory-equipped with full functionality, including a framing section that enables precise positioning of four barndoors on a 100% surface area in all situations. Available in three 1000W LED sources, the Huracán Wash is built around a 13-element zoom lens system with a completely new Fresnel lens.

### LASERVISION Takes Visitors on a Luna Light Journey



Through stunning light shows and psychedelic visuals, LASERVISION immersed spectators in a virtual "underthe-sea" experience at the Cairns Esplanade Lagoon and over 30,000m2 of Esplanade parkland. Visitors to the annual Cairns Festival enjoyed LASERVISION's spectacular performance that included floating holograms of sea turtles, magnificent pulsating bioluminescence, and gardens of jellyfish bathed in laser waves.

### Vari-Lite Neo X Console Aims to Do It All



Even though consoles have been traditionally pigeonholed into theatrical versus live event consoles, venues and productions have been blurring the lines between the two for a while. Vari-Lite wanted to create a console that was equally good at both. Allow global product manager Jon Hole and product specialist Edward Smith to introduce you to the versatility of the new Neo X Series.

### Martin Audio MLA Returns to Rocking in Japan



Due to the pandemic, the biggest festival in Japan missed both 2020 and 2021. The five-day event was moved and revived as an urban-style festival in 2022 with MSI Japan relying on Martin Audio. The audio was a huge hit among concertgoers and promoters, in part because of the novel distribution design and in part due to the MLA system's controllability.

#### **ALEX COLUMN**

#### **How Serious Are You About Your Job?**



And you might ask what kind of stupid question is this? Now that we are all getting back to regular work, I must say, that many of the things that I have seen, are not particularly encouraging. Hence I want to talk a bit about Work ethics here, since after this very long COVID break time I think we

can all use a good dose of this and I am including myself in this too.

If you are responsible to check all gear before the load in, then this is what you do. There is no short cut and the trouble for everyone else involved if something is not checked and then appears not working on site is horrible. If you are supposed to check everything, you check everything.

If you are responsible for loading the truck and unloading on site, then you make sure that multi-thousand dollar worth of gear do not get kicked around in the truck, but you load it safe, so that you even get to do the gig. Every detail counts and the trip to the gig is part of the gig.

If you are the PA tech, then you make sure that your main hanging rigging hardware and safety ropes are all good and prepared as needed, all cables no matter if power cables or signal cables are properly tested and ready. As the PA goes up you might even want to test each cabinet quickly with pink noise to make sure all drivers are running and there is nothing broken from the last show.

Coordination with your colleagues on site is mission critical and if in doubt rather ask twice before doing anything wrong. The electrician will advise you if all sockets are good and tested and ready to be used. You might even want to check yourself with your multimeter that nothing is crazy hot before plugging your precious Front of House console in.

I have also seen that people just believe in a sticker that says "tested" and then the brain seems to go into bypass. If a cable looks unsafe, if the insulation has come off, if the connectors are disintegrating, then you do not use this cable, no matter how many "tested" stickers are on there. This gets even worse when rigging and load bearing is involved. Even if a piece of Truss is labelled tested, you still use your brain and if something looks unnaturally bend (other than your back of course), then you double check and if in doubt, don't use this gear if safety will depend on this. After an accident, nobody will look for stickers, but everyone will look for who allowed something to be used and to go up and you don't want to be that person.

Catering is important and we are all hungry at times, but no one gets to eat, when the job is unfinished and when work has still not concluded. I rather ask around, if anyone still needs a hand, than being told that I should watch and care for others on my crew as well. The hand that you lend today will help you and possibly safe you tomorrow. I want to show people that they can rely on me and I want to trust that I can rely on them too. Occasionally, I am not so sure these days.

I also find that I have spend way more time than before, on making sure that my personal travel rig is in shape and I check five times to try to make sure that I am not forgetting anything. This might be because I am getting old and senile, but I just want to avoid being embarrassed on site and that is not because I show up in my undies. Do you need a hard hat? Do you have your gloves and Safety shoes, Harness and other stuff ready? I have also found that I had a lot in my travel rig that I did never need, so things went out and other things went in, that I feel I will need on each gig nowadays. Nothing is ever as it "always" was. I catch myself almost every day thinking if I can avoid some stuff or if I can make things easier and faster for myself and in 99% of cases I must admit, that there is no short cut, no matter how smart you are. Many things simply do take time and effort and persistence will always pay off eventually

End of rant. I wish you all a very successful season until Christmas time. Please stay safe.

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

#### **ENNOVATION**

#### Chromateq Releases Next-Gen Ethernet to DMX Stand-Alone Interface



CLUB-E 1024 excels in live show control, audio and video timeline synchronisation, and accurate sound-to-light automation, making it the perfect choice for advanced users, experienced lighting professionals, and challenging projects.

The new CLUB-E 1024 device comes with additional options like Ethernet communication, Art-Net to DMX Node converter (2 ports), 1024 Stand Alone channels, RDM DMX communication, Wi Light 2 app commands on LAN when connected to a Wifi router. When coupled with PRO DMX or PRO DMX 2 software, it can transform any computer into a powerful lighting control console.

The new options are also available for PRONET-E and PIXXEM-E devices and software is always free, with no additional subscription fees.

Newly designed aluminium housing with beautiful brushed anodized finish and updated electronics that can be connected on Ethernet LAN and easily work as Art-Net/sACN to DMX decoder/converter/node.

CLUB-E 1024 is available to order now and comes with a 5-year international warranty.

Chromateq/CLUB-E 1024

### PROLIGHTS EclSoft LinearIP Suitable for Film, TV, or Tours



PROLIGHTS' EclSoft LinearIP is an IP65-rated linear soft-light with all the colour features of the EclPanel TWC range, suitable for film, TV or touring productions.

The EclSoft LinearIP has several colour control modes: RGBW, RGB, CMY, HSI, XY, RAW Direct, CCT linear and CCT presets with +/- green shift,

source emulation and industry-standard colour gels. Each of its 15 pixels can be controlled individually through DMX/RDM, Ethernet protocols, Wireless DMX (CRMX and W-DMX), or the built-in cinema effects engine.

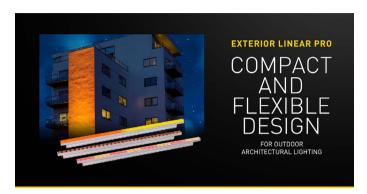
The 230W RGB + Warm White LED engine produces an incredible 13,000-lumen output, whilst keeping perfectly mixed colours and precise white tones, from tungsten to daylight, maintaining high CRI, TLCI and TM-30 values. This fixture is also Spektra calibrated, meeting the new colour calibration standard that PROLIGHTS recently unveiled, where units with marking match exactly in the same colour space.

There are many accessories available for the EclSoft LinearIP fixture, including a range of optical filters and beam-shaping accessories. The fixture has an onboard driver and power supply, making it incredibly easy to rig and run power and data cables.

PROLIGHTS/ EclSoft LinearIP

#### **ENNOVATION**

### Martin Exterior Linear Pro Series Delivers Architectural Integration with Low Power Consumption



The Martin Exterior Linear Pro series is a range of permanent, compact, LED-based outdoor and indoor architectural fixtures that harness the latest linear technologies to enable dramatically low power consumption while delivering powerful lumen outputs.

The new models are ideal for architects, system integrators, electrical contractors and other professionals, who need direct and indirect illumination of walls, ceilings, textured and decorative surfaces in stadiums and arenas, cruise ships, theme parks, hotels, casinos, bridges, tunnels, or similar applications. The company has placed an intense focus on energy consumption and efficacy, packing the models with intelligent features to make installation, management and onsite design changes simple.

The series is available in Cove, Graze and Direct View (DV) models in QUAD colour and tunable white (CTC) light engines and in 1-foot and 4-foot lengths. The slim design and low weight also make them easier to integrate into architectural elements discreetly and with fewer structural requirements. Also focusing on sustainability, all models are shipped in FSC-certified packaging.

The fixtures are DMX-controllable and easy to install due to their integrated universal power supply. They can also be daisy-chained using a combined power and data connector, which enables long fixture runs for simpler infrastructures.

With more than 50 Im/W(QUAD) and 60 Im/W(CTC), the fixtures are highly efficient. Multiple power modes (12W/10W/5W, including ASHRAE compliance) can be set via Remote Device Management (RDM) to reduce power consumption as needed. Flexible change-of-beam angles are included for late design changes and on-site adjustments. A smart mounting plate design offers a variety of standard or custom bracket solutions.

#### **Superior Temperature Control (CTC Model Specific)**

Cold, neutral, and warm LEDs are included for precise colour temperature control from 2700K to 6500K at high efficacy with 12 LEDs/ft. They also feature a high colour rendering index (CRI) covering the entire colour temperature spectrum.

### **Granular Lighting and Sophisticated Colour Control** (QUAD Model Specific)

An integrated 6-inch (15 cm) segment mode enables more granular lighting control for organic and subtle looks.

QUAD colour fixtures also include logic RGB control of the RGBW engine, making it easier to mix colours when the white colour is automatically calculated. Factory calibration of colours offers superior consistency and user-selectable default colour temperature with the ability to set a favourite default colour temperature. Fine segment control is also included for more organic and subtle colour transitions.

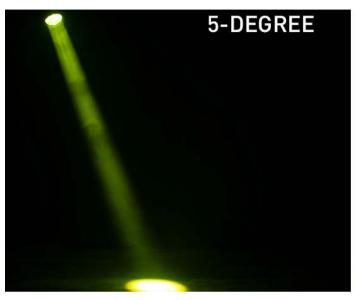
### Premixed Colors with Color Boost (QUAD Model Specific)

QUAD colour LEDs deliver an enhanced visual appearance with homogeneous colour mixing and high-lumen output of mixed colours. A colour boosting feature is also included for full-powered illumination of a single colour or mixed colours, making them up to three times brighter than comparable fixtures yet boasting lower total power consumption.

MARTIN/Exterior Linear Pro



# Versatile ADJ Encore Z7LP LED Offers Motorized Zoom and Variable Beam Angles





The compact and versatile Encore Z7LP rounds out the Encore Lime Par Series of wash fixtures, which utilize high CRI lime-infused 4-in-1 colour mixing LEDs. The Encore Z7LP's light source comprises 7 x high output 4-in-1 colour mixing LEDs that include individually controllable red, green, blue and lime elements. Each LED is rated at 20W, allowing the fixture to deliver a soft-edged wash with 2500 lumens of total output.

The inclusion of the Lime LED boosts the fixture's CRI and perceived brightness as well as fills in gaps in the colour spectrum. The unit's overall CRI is 84, while its CRI R9 measures 76.6, indicating that the fixture will render colours more accurately when used to illuminate scenery, décor, or performers, which is particularly important to ensure natural skin tones and enhanced depth.

A wide variety of colour options are offered by the fixture, achieved by mixing the four primary colours at varying levels of intensity. These include white light with a variable colour temperature of 2700K - 7000K, which can be easily selected using either linear control or one of 5 preset macros (2700K, 3200K, 4000K, 5600K and 6500K). 16-Bit fine control over the four primary LED elements allows for a huge variety of colour possibilities, while 64 built-in macros facilitate an easy selection of popular options.

The motorized zoom function allows its beam angle to be adjusted remotely via DMX between a concise 5° and a wide 50°. This means that the fixture can be easily utilized both to create a tight pool of light or broad wash, even switching between the two for different scenes of the same production. Linear zoom control allows the beam angle to be set anywhere within its range, while 5 preset macros (5, 6, 10, 30, 40 and 50°) allow a quick and easy selection of popular settings.

DMX addressing, as well as mode selection and configuration of the unit's operating parameters, is facilitated via a 16-character backlit display with four corresponding push buttons located on the rear panel. This provides a menu-driven interface which is simple to navigate, making the fixture easy to set up for different applications and user preferences. A choice of six DMX channel modes (6, 9, 10, 12, 15 & 18) is offered, depending on the level of control required. In addition to the menu interface, the DMX address and channel mode can also be set remotely via the RDM protocol using a compatible control system.

5-pin DMX input and output sockets are located on the rear of the fixture, while it is also equipped with ADJ's WiFLY EXR extended-range wireless DMX technology,

#### **ENNOVATION**

allowing it to receive a DMX signal without a cable from a compatible WiFLY transmitter or another WiFLY-equipped fixture over a distance of up to 2500 ft. / 700m (line of sight).

For use without DMX, full-colour mixing and zoom control, as well as the selection of all the unit's macros, can be accessed directly from the menu interface to set up standalone looks. The fixture is also supplied preprogrammed with seven automated programs, which can be selected from the menu with custom chase speed and fade time. In both of these modes, multiple units can be linked together using DMX cable in a primary/secondary configuration where colour or mode selections chosen on the primary fixture will be replicated on one or more secondary fixtures.

The Encore Z7LP offers six selectable dimming modes (Standard, Stage, TV, Architectural, Theatre and Stage 2), four selectable dimming curves (Linear, Square, Inverse Square, and S-Curve), 14 LED refresh rate options (ranging from 900Hz to 25KHz), variable dimming speed (from 0.1 – 10 seconds) and three fan speed options (auto, high, or silent). All these settings can be configured either from the menu display or remotely via DMX, except for fan speed which must be set using the menu interface.

With a robust, all-metal casing, the Encore Z7LP is designed for use in professional entertainment lighting environments. It is ideal for rental houses, production companies and event professionals, as well as for installation in all kinds of performance spaces and entertainment venues, including theatres, concert halls and churches. A variable angle scissor yoke, which can be used either as a floor stand or hanging bracket, is supplied with the fixture and a set of metal barn doors for directing the light output are available as an optional accessory.

Despite its sturdy construction, the Encore Z7LP's compact dimensions of 8.65" x 6.5" x 9.5" / 220 x 160 x 242mm (L x W x H) ensure that it is an easily transportable fixture, with a weight of just 7.5 lbs. / 3.45 kgs. Power is supplied to the device via a standard locking connector, while a corresponding output socket allows the supply for multiple units to be daisy-chained from a single power outlet.

The Encore Z7LP is now available from ADJ distributors and dealers worldwide.

ADJ/Encore Z7LP



### Vari-Lite X-Series Caters to Various Events and User Experience Levels



Many facilities serve several purposes and require the features of a high-end console that can accommodate all the various events and user experience levels. Thus, the Neo X15 and Neo X5 family of high-performance lighting consoles from Vari-Lite have been created for mixed-use venues including theatres, stadiums, and arenas, as well as places of worship, studios, schools, and more.

For theatrical and live event lighting, X Series consoles provide a feature-rich, adaptable platform that is ideal—and at a price that won't consume the entire upgrading budget.

The new X15 is Vari-Lite's flagship, high-performance lighting console, offering 15 multifunctional motorized playbacks and backlit encoders, and can output over 50,000 channels out of the box. Even if the consoles are frequently relocated throughout the venue or set up in a different area while programming the show than when during the performance, with its all-in-one design and advanced Neo platform, the X15 has been built to last for many years.

The intuitive hardware layout includes two built-in monitors, a soft touch control screen, and built-in audio I/O connectivity that makes it easy to integrate lighting cues with sound effects, videos, and more. A smaller 5-fader X5 console is expected out early next year, with the same processor, build quality, and 100 universes of DMX as the X15.

The Neo 4.0 software's new touch-driven interface, which provides easy access to palettes, groups, macros, and effects, feels more like a console than ever. This makes the console quick and simple to use, and with a strong training and support system that includes onboard training videos, international tech support, online forums and groups, and an interactive manual.

Lastly, users can get up and running quickly, customising the interface to meet their needs and achieving the look they want in less time with an advanced effects engine that supports pixel mapping, media playback, timelines and more.

Vari-Lite/Neo X-Series



### Elation Launches All-Weather 70,000-lumen Powerhouse



Elation Professional is expanding its Proteus line of IP65-rated luminaires with the Proteus Brutus, a 70,000-lumen LED wash effects fixture capable of high-intensity washes and piercing narrow beams that can cut through at tremendous distances. Available now and shipping, the Proteus Brutus is said to be the brightest lighting fixture Elation has ever produced.

#### **High-output applications**

The Proteus Brutus is flexible at any distance or field of projection from tight beams to wide, smooth washes for use in a variety of applications. Coupled with a 5° to 50° zoom and an impressive 220mm (8.7") front lens, it is meant for use on large outdoor stages, but can be applied anywhere powerful beams and powerful wash coverage are needed.

### White LED engine + CMY and variable CTO

The Proteus Brutus houses a high-efficiency 1200W 6,500K White LED engine. The custom peak-field engine with a 2-to-1 centre-to-edge ratio gives powerful, high centre-intensity beam and wash throws while allowing for a unique air effects. Together with a full spectrum CMY colour mixing system, the Brutus is capable of creating a virtually unlimited variety of shades.

With the addition of linear CTO colour correction, as well as a fixed 6-position colour wheel for added colour customization, including UV and high CRI options, the Proteus Brutus offers colour combinations to satisfy even the most eagle-eyed designer.

### **Optional framing**

An optional 4-blade, full blackout framing module with +/-45° indexing allows for beam shaping and accurate light control at any angle. The entire framing module is rotatable, allowing the beam to be shaped and angled as required for accurate highlighting. Designers can also use the flexible framing system to create outstanding projection or mid-air effects.

### **Complete FX system**

The fixture provides the designer with a comprehensive FX system with 5 rotating / indexing (interchangeable) beam shaping and FX gobos plus a rotating multicolour glass gobo. A 360° bi-directional animation wheel can be engaged to bring graphics to life and a variable frost filter can be employed any time a designer wishes for softer gobo or wash effects. A high-speed iris with variable pulse effects and a high-speed electronic shutter and strobe can be engaged for further impression. The unit dims smoothly all the way to zero with variable 16-bit selectable dimming curves included.

### **Applications and Housing**

The Proteus Brutus has the power to cut through in any outdoor concert or special event and its fully dustproof and waterproof design makes it an optimal fixture for theme parks and cruise ships. Thanks to quiet operation, flicker-free functionality and DMX-controllable LED refresh rate, its on-camera impact will be welcome in TV and other broadcast environments.

The Proteus Brutus is rock-solid and can handle weather that is hot or cold. It includes a Hibernation Mode for power saving and comes with all the professional control and IP65 connection features that are featured in Proteus luminaires.

Elation/Proteus Brutus



# Solid State Logic Returns to its Roots with Expansion of ORIGIN Console Range



The new 16-channel ORIGIN console follows the success of. ORIGIN 16 has the same features, intelligent hybrid workflows and stunning Solid State Logic (SSL) sound quality, all in a smaller footprint. Ideal for project studios, music technology schools and colleges, as well as producer rooms or smaller record/mix facilities, ORIGIN 16 brings the dream of an SSL studio closer to a broader range of users who crave the legendary sound and advanced workflow of SSL.

With its legendary sound and powerful features, ORIGIN 16 is "the most comprehensive" analogue console in its class and the ultimate solution for hybrid, DAW-based workflows where console automation is not required. Sharing the same centre section as its larger 32-channel sibling, ORIGIN 16 draws on traditional in-line consoles for inspiration, while leveraging SSL's latest cutting-edge analogue design.

ORIGIN 16's simple signal flow and layout make it easy to understand and use, while powerful features such as channel direct outputs, a fully balanced electronic architecture and precision bargraph meters make it an ideal companion for even the highest quality converters and most demanding professional production applications.

Similar to its larger sibling, an innovative modular centre section allows ORIGIN 16 to adapt to different applications — for instance, a tracking console with additional boutique analogue processing to its 19" rack centre section, or a more digital/analogue hybrid approach with screens and controllers such as the SSL UF8 Advanced DAW Controller — all of which are easily reached from the listening position. ORIGIN 16's ultra-low power consumption and innovative power-saving features equal lower operational costs for smaller rooms and musician-based project studios.

ORIGIN 16's PureDrive microphone preamplifier provides a wide range of sonic options, bringing unparalleled flexibility whether using it for tracking or mixing. Users can attain ultra-clean to driven

sounds present in previous SSL mic pre-designs but also engage a warmer, more harmonically rich tone by activating the "Drive" function.

ORIGIN 16 also uses a classic SSL EQ design made famous on its previous generations of consoles. The E-Series '242' EQ was probably the most popular EQ from the SL 4000 Series console range, and this design was also present in several SSL console designs that followed, including the G-Series. A built-in classic SSL Bus Compressor, with sidechain access and HP filter, make ORIGIN 16 a great solution for mixing and summing.

ORIGIN 16 is now available for purchase.

SSL/ORIGIN



# Ayrton Releases a Huracán on the Entertainment Industry



Ayrton's Huracán Wash is said to be the first wash-type fixture designed around a Fresnel lens. With Huracán Wash, Ayrton is attempting to reinvent the wash luminaire by designing an avant-garde product capable of creating a sublime atmosphere. Designed for rapid scene changes, Huracán Wash is a formidable partner offering efficiency and reliability. A precision machine that provides total confidence for the most demanding users.

Available in three 1000W LED sources (S, ST and TC) to suit a myriad of applications, Huracán Wash has a zoom range of 6.2° - 75° and is designed around a 13-element zoom lens system, equipped with an entirely new Fresnel lens. This lens's optical structure is specially developed for use with framing shutter blades, and with geometric gobos or ovalization lenses, allowing it to operate with subtlety and excellence, free from the usual constraints.

### The subtlety and power of a Fresnel

A subtle progressive diffusion system allows the diffusion level to be adapted according to the application and accessories or optical elements used. This Fresnel Optimisation System (F.O.S.) also significantly improves the colour mix and can give up to 10% more intensity than a conventional Fresnel lens.

The proprietary optical system of Huracán Wash delivers a 12:1 zoom ratio and a zoom range of 6.2° at half peak to 75° at one-tenth peak.

Huracán Wash adopts the complex colour mixing system of Huracán Profile, offering a double level of CMY saturation that can obtain 281 trillion colours and a triple corrector (T.C.S. patent pending) for variable colour temperature allowing subtle adjustment from 2700 K to 15000 K and significant CRI improvement.

#### New 'ST' source for studio and theatre

Huracán Wash introduces a brand new 1000W monochromatic LED source specially developed for studio and theatre applications, called the 'ST'. This LED source delivers a light output of 45,000 lumens and a D65 white point that allows perfect colour reproduction with a CRI greater than 80.

For shows that need cooler metallic white light, the Stage or 'S' version offers a record luminous flux of 52,000 lumens, a colour temperature of 7000 Kelvin and a CRI of 70.

For applications requiring perfect colour rendering, the 'TC' version offers a CRI greater than 95 with extremely high TM30 values and a colour temperature of 6000K.

Between them, the three versions cover all uses on stage, with special features that make them unique. Simply choose the right version of Huracán Wash to suit your needs.

### Factory-equipped with full features

Huracán Wash is factory-equipped with full features, including a framing section that allows accurate positioning of four barndoors on a 100% surface area in all positions, so that the user can frame any object regardless of the luminaire's position. Huracán Wash also offers a wheel of seven rotating gobos, a 15-blade iris diaphragm, a beam ovaliser filter and a hot spot filter that accentuates the hot spot when necessary. The CMY and RGB animation wheel can create multicoloured effects, while a 0% to 100% variable linear form completes the graphic tool palette.

Ayrton/Huracán Wash



### Cameo Presents S Series LED Soft Panels for Outdoor Events



With its new S Series, Cameo is expanding its product portfolio with IP65-certified LED soft panels for outdoor use in the areas of TV/film, events, live streams, and more. The starting point of the Series is the S4 IP model which, thanks to its excellent colour rendering, puts people and objects in the limelight with natural, diffuse light.

In combination with the wide range of accessories available from the market launch, the Cameo S Series caters to lighting technicians, illuminators and content producers looking for versatile professional soft lights with sophisticated handling and control options.

The compact S4 IP is based on 544 single SMD LEDs per colour (RGBWW) arranged in a cluster of four. In combination with the integrated calibration chip, the S4 IP has extremely natural colour rendering (CRI 95, TLCI 91) as well as exceptional coverage of the extended Rec. 2020 colour space of 85%. In addition, the adjustable colour temperature, with its wide range of 1,800 to 10,000 Kelvin, enables use in all environments.

When developing the new S Series, Cameo placed the highest value on the housing concept and handling. The fixed handles on the sides ensure safe and comfortable transport and allow the panels to be quickly aligned with people and objects on set. Under the IP65 certification of the S4 IP, the soft panel has waterproof and lockable powerCON TRUE1 device connectors. It can be controlled via DMX, W-DMX, ArtNet, sACN or RDM. Operation is either on the unit itself or via EZRemote using the optional UNICON DMX/RDM controller.

As lighting allrounders, soft panels are used in a wide variety of environments – indoors and outdoors. To make the S4 IP the ideal, flexible companion in every situation, Cameo has not compromised on accessory options. In addition to the supplied Omega bracket and the standard diffuser, the spectrum ranges from Honey Combs, with 30° and 60° beam angles, to Intensifiers and Heavy Diffusers, to Barndoors, a Centre Mount Yoke or a V-Mount adapter for battery operation. In addition, the optional dark filter ensures inconspicuous integration in any scenery.

Cameo/S4 IP



# Audio Performance Brings Full-range Tower Monitoring into the Studio



The new "tower-style" KS12.0 monitor system, which was designed primarily for full-range studio monitoring but is said to be equally at home when used for other applications, is capable of great speech intelligibility for audio professionals dealing with demanding spaces.

A 3- way active monitor system, the KS12.0 consists of the main enclosure with a 12" low-frequency driver, 2 x 6.5" mid-frequency drivers and HF 1" fabric dome tweeters with advanced waveguides for HF frequencies. An optional second enclosure, containing 1 x 12" low-frequency driver, can also be added to complete a tower style monitoring presentation.

The system also has a new, lightweight three-channel Class-D power amplifier that delivers 500W to the LF drivers, 500W for the mids, and 150W for the highs, along with networked 96KHz DSP that provides loudspeaker-specific filtering, EQ, delays, and protection functions. Real-time control and monitoring capabilities are offered by its Net Control PC application.

Audio Performance

# Vari-Lite Adds GDTF Support to Luminaire and Console Product Lines



Vari-Lite has announced support for the General Device Type Format (GDTF) in all currently shipping fixtures and consoles, including production luminaires such as the recently launched VL3600 Profile IP, theatrical fixtures like the Acclaim LED Series, and consoles running Neo or ZerOS software.

GDTF, jointly developed by the GDTF Group, is intended as a unified definition for the exchange of data for the operation of intelligent luminaires. GDTF profiles are available for all current luminaires. GDTF support is included in the recently announced ZerOS 7.13 and will also be included in the Neo 4.0 software update, bringing support for the standard to existing FLX, FLX S, and Neo controllers, along with future Vari-Lite consoles.

Customers can use the GDTF builder online tool to build profiles for any third-party fixtures, and both Neo and ZerOS consoles will continue to get regular fixture library updates as well.

GDTF profiles are available for download from GDTF Share .

Vari-Lite



### **AUSTRALIA**

# LASERVISION Transforms Cairns Esplanade Into an Immersive Underwater World

With "Reef Light," part of the Cairns Festival, LASERVISION's spectacular Luna Light Journeys continue to amaze and educate audiences in celebration of one of the seven wonders of the natural world



Luna Light Journeys continue to drive increases in tourism with unique and exciting immersive entertainment experiences for local communities around Australia. The perfect family experience and reason to enjoy the outdoors after sundown, 'Reef Light' a key new component of the annual Cairns Festival, was another shining example of LASERVISION's Luna Light Journey offering, and their fifth successful journey experience in Australia thus far.

The annual, 10-day Cairns Festival celebrates art, culture and the beauty of living in Queensland, Australia. The Festival enjoyed its Diamond Jubilee by celebrating the importance of the Great Barrier Reef— one of the seven wonders of the natural world.

LASERVISION was chosen to bring their unique light journey experiences as well as their world-renowned water, light and sound spectaculars to transform the Cairns Esplanade Lagoon and over 30,000m2 of the





Esplanade parkland into a virtual "under-the-sea" experience, immersing audiences in impressive light displays and kaleidoscopes of colour.

From floating holograms of sea turtles and jellyfish to beautiful pulsing bioluminescence and jellyfish gardens bathed in laser waves, LASERVISION's incredible performance drew visitors to the area in celebration of the Great Barrier Reef.

Cairns Mayor, Bob Manning, said the community embraced the event despite some wet weather and still was the "largest festival we've ever produced, and the positive response from the local community has been overwhelming"





LASERVISION CEO, Shannon Brooks was honoured to have been a part of such a significant milestone of the 60-year, Diamond Jubilee of Cairns Festival, "We were very excited to see over 100,000 people attend this year's event and have received many fantastic comments about our installation, as well as the involvement of many artists, providers and performers who made up this incredible, 10-day experience."

### **LASERVISION**



**INDIA** 

# **Anirudh's 'Once Upon A Time' Concert Sizzles**

Mammoth Adamson audio architecture deployed by Sound.Com

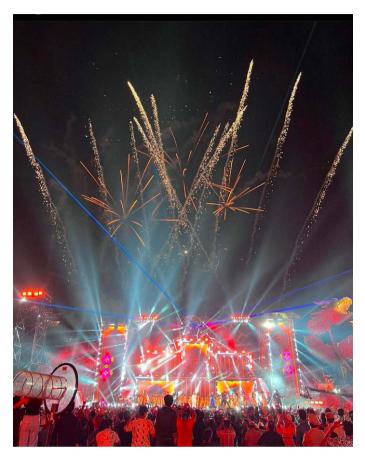


After taking the industry by storm, popular music composer-director Anirudh finally announced his first ever concert tour in India titled 'Once upon a time' tour, which celebrates his 10 glorious years as a music composer-director and of releasing sensational hits one after the other - be it for feature films or independent singles. The tour comprised a total of two concerts in Tamil Nadu, with the first one being held in Chennai and the other in Coimbatore. And what's even better was the fact that fans who couldn't attend the concert in person, could still enjoy the show online thanks to the concert event being live streamed as a special called 'Rockstar on Hotstar' by popular OTT platform Disney+ Hotstar.

And on October 21st 2022, the ace music director Anirudh stirred up a storm at his first ever concert in India, as the Once Upon A Time concert tour kicked off in Chennai in the open air at the Nithya Kalyana Perumal Temple Grounds on East Coast Road; with the event being live-streamed on Disney+ Hotstar as 'Rockstar on Hotstar' – making it the first ever live music concert to be streamed in real-time on an Indian OTT platform.

In terms of the performances itself, while a large chunk of the concert programme schedule witnessed the musical dynamo enthralling fans by himself with a chartbuster set list of one hit song after another; the show also witnessed phenomenal performances from the likes of Jonita Gandhi who joined in with Anirudh to work up the energy of the sea of fans to groove to his popular hits one after the other. At the same time, the schedule also spotlighted a heartfelt tribute to Sameer Sethi, one of the brains behind Anirudh's concerts, who passed away just a few hours prior to the event.

With an estimated turnout of over 25,000 audience members – it comes as no surprise that the concert sported a production value that was nothing short of humongous. The stage itself was craftily put together to form the letter "A" when viewed from above - while the stage backdrops comprised visually mesmerising and interactive elements like a dragon figurine that stretched across the extent of the stage, in addition to nearly hundreds of professional entertainment lighting fixtures and multiple lazers that worked in perfect synchronicity to offer one of the most visually stunning lighting designs seen for a musical event in India. Of course, the stage was also adorned by several larger-than-life LED screens that played-back all the high-energy performance action in real time. Smash hit after smash hit had the 25,000+ fans turning up the energy levels with every passing



song to create a symbiotic energy experience, the likes of which were never before experienced in Chennai. The undoubted star of the technical and production lineup however, was the massive audio infrastructure that was painstakingly put together at the venue and tuned to perfection by Sound.Com - one of India's leading comprehensive audio solutions providers for live events of all possible scales and application types. In total, Sound.Com deployed a staggering cumulate of 220 loudspeakers from Adamson Professional comprising 54units of the E15 and 12units of the E12 3-way true line source enclosures, 58units of the S10 and 10units of the S7 2-way full-range line-array cabinets, 72units of the E119 and 4 units of the S119 subwoofers; all of which were methodically rigged in meticulous combinations to offer a truly comprehensive and enriching 'full-frequency spectrum' listening pleasure to the each and every audience member spread across the venue; while 12units of the M15 multi-purpose loudspeaker wedges were deployed as the onstage monitoring solution to ensure a pristine monitoring experience for the artists performing on stage. The herculean task of powering the entire gargantuan loudspeaker infrastructure was





capably handled through a total of 48units of the ultrapowerful and efficient PLM20K44 power amplifiers from Lab.gruppen.

Needless to say, with such an impressive technical infrastructure forming the backbone of the concert experience by itself – Anirudh's Rockstar with Hotstar, Once Upon A Time concert in Chennai culminated in a resounding success with both, the audience as well as the performing artists being absolutely stoked with the overall experience.

Anirudh himself posted a general note of appreciation online following the event, which stated "Chennai, my hometown, thanks for giving me the best night of my life. You have made me who I am in these 10 years. You guys went crazy like never before and I love you my city, my people".

On the other hand, Actor and director RJ Balaji also shared his take about the concert experience as he noted, "Here I am, watching that boy perform in front of thousands and making them go crazy with his style, swag and his music! The energy was insane and the connect between him and his audience was unreal ...!"

Sound.Com



**JAPAN** 

# Martin Audio MLA Rocks Out After a 2-year Pandemic Hiatus

The biggest festival in Japan was relocated and resurrected in 2022 as an urban-style festival with MSI Japan relying on the controllability of the MLA system



The Covid 19 pandemic has had a profound effect on the music industry in recent years, not least being on the international festival circuit, where many established events were forced to close.

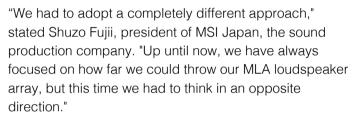
Rock in Japan, the country's largest festival was no exception, and suffered the same hiatus in 2020 and 2021. However, in 2022, it was finally ready to make its return and it did so in a very different fashion. The five-day event was reborn as an urban-style festival in a new location, having moved to the Soga Sports Park in the attractive coastal resort of Chiba from its previous home of Hitachinaka.

The change of location had been a major concern for those managing and promoting the shows. Soga Sports Park is located near residences and a densely populated shopping area—hardly ideal for holding a loud rock show. Additionally, it was the first time the Park hosted

a festival of any kind. The potential for noise pollution problems caused huge headaches for the production team.







With Tomoya Shitakubo, who also acted as system tech, in charge of the design, they devised a unique solution which had not been adopted previously—importing several delay towers and developing a distributed sound system. MSI acknowledged that in the history of Japanese festivals, the distributed sound system approach had not been attempted, and so this became a voyage of discovery for both the promoters and the MSI crew.

"The promoter is our client, and he has specified MLA for the past 10 years," stated Shuzo Fujii, who also acted as chief engineer for the event. "Everybody had faith that MLA would be able to overcome this difficult problem."

The two main stages were both equipped with 8 x MLA per side for the main PA system. These were reinforced by 18 x MLX subwoofers in a cardioid pattern. The subs were set in two 3 x 3 cabinet stacks—on both sides of the stage—with the middle one in each reversed.

In addition,  $7 \times MLA$  arrays comprising seven elements were set in four locations as the delay towers (with  $8 \times delay$  towers in total).





Generally, delay towers are set symmetrically to provide coverage for both sides. However, these were positioned only for coverage on one wing to reduce the spill to the neighbouring residential area.

There was no difference in sound level, starting at the FOH mix position and sufficient power was distributed across the entire venue, meeting the required SPL and quality of sound.

Amazed at the results, Shuzo concluded, "The result was a major success, not only because of the unique distribution design but also because of the controllability of the MLA system. Once again, I was able to appreciate the wonderful capability of this loudspeaker."

Martin Audio





## CLIFFORD D'COSTA

SOUND ENGINEER

ETA SPOTLIGHT is a heart-to-heart with industry professionals from across Asia, as they discuss their foray into the business and their journey thus far, while sharing their honest opinions about key aspects like market trends, technology, upskilling and more...

#### Brief about yourself.

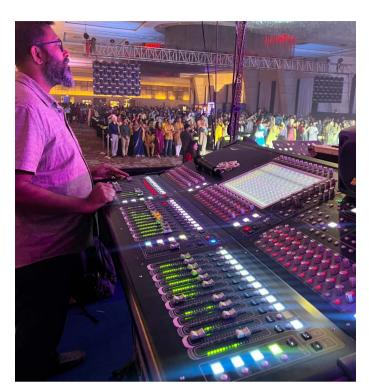
My name is Clifford Dcosta and in the industry people call me Cliffy. I started my carrier in the 90s with the famous Brian Sound System (BSS) as a trainee technician. What began as a summer job to learn a bit more about sound systems, turned into a life-long love affair with sound. I later started to work as a DJ as well, for the various events that the company commissioned; slowly learning the ropes of the event industry and what it needed.

Following on, I worked as a DJ in a few famous night clubs like Velocity, J49, Club Abyss, Rasna to name a few; which then ushered me onto my next experience where I joined the prestigious P&O luxury cruise liner as part of the Entertainment Department. I managed sound for theatrical shows, Lounge Cabaret's, Deck Parties etc, where I was exposed to working with several different international artists, multiple stages &

setups; and mind you in a time when everything was still analogue. I worked with the company for over 7 years and later returned to Mumbai and started working for the famous live performance venue BlueFROG at Lower Parel. Here, I was blessed to work with some of the most amazing Jazz, Blues, Indie artists and the finest musicians India could offer at the time. It is also at this venue where I had the pleasure of working on



### **SPOTLIGHT**



warmest sounding console in my opinion - the mammoth Yamaha PM5D digital console. I continued my carreer there until it unfortunately closed its doors permanently, and I then moved on to learning more about live sound and live larger setups for music and joined Sound.com with Warren Dsouza, where I was introduced to larger format of consoles, PA'S, outboards, multiple large-scale events, conferences, corporate events, elite weddings, concerts, festivals, and much more.

Over the course of time, I realised that it was opportune for me to branch out on my own and work as a freelance live sound engineer; and that's exactly what I did. I now have a selection of multiple artists that I work with such as Adnan Sami, Vidya Vox, Jonita Gandhi, Nikita Gandhi, Arman & Amaal Malik, Mansheel Guiral, and many more.

### What got you interested in getting into the industry?

I always admired indie rock bands and wondered what made them sound so good ... Over the course of time when I realised that it's the guy behind the console that was responsible for all the magic – I instantly knew I wanted to learn this beautiful craft. This is what sparked my interest; and that's how my journey in live sound engineering began.

### What do you feel about the industry?

On the whole, I believe the industry has been very kind to me in terms of allowing me opportunities to learn and grow. Dedicating my time and effort to this industry has opened avenues that I never knew even existed. Not only does being a part of this lovely industry allow me the opportunity to travel within the country, but it has also granted me a platform to showcase my work and talent on foreign soil like Switzerland, South Africa and the Maldives, which I'm eternally grateful for.

### What is your most memorable experience and why?

For me personally, I'd have to say the gigs that I've had with Atif Aslam, Lucky Ali and Adnan Sami. These are legendary performers, and just the sheer amount of knowledge that one can gain by just being in their presence is unbelievable. Surely one of the key highlights of my career so far.

### What was your worst experience and why?

Honestly, I've never really had a bad experience. I guess we all have those of days where we need to turn things around pretty quickly. But there's never been an experience that hasn't taught me something new or something that has helped me improve my skill and/or understanding of this craft.

# How exactly has the evolution in technologies impacted your line of work?

With all the new pro gear that has been coming into the market off late, I believe all of it has really helped to step things up for us in terms of sound and live mixing. Many of these new technologies introduce features and capabilities that the older ones didn't have, and it turns out to be really good for professionals like me since most of the time it makes our work much easier. We're now able to have greater control over aspects such as latency, workflows and overall micro-management of even the slightest nuances of sound.

### **SPOTLIGHT**



# What are the products / technologies that are absolutely crucial to your workflow? Do you have a personal favourite among them?

For me personally, the things that make my life easy are the things that are crucial to my workflow. Having a good PA system with a knowledgeable system engineer, a high-performance feature loaded mixing console, and a good set of ears pretty much rounds up my personal list of essentials. I believe gear like d&b Audiotechnik line arrays, Shure Axient Digital Wireless Systems, Sennheiser Wireless Systems, DiGiCo SD Series consoles are some pieces of equipment that fit the bill.

### In your line of work (specialization), have you noticed any new trends in terms of workflow / technologies etc that you feel could revolutionize the future for specialists like yourself?

In more recent times I've noticed quite a lot of the top engineers using plugins to enhance their sound. At the end of day it's all about ensuring that you offer the best experience to the audience; and as an engineer you need to constantly evolve your set of tools to ensure that you do full justice to your artist in making sure that the audience enjoys the most accurate representation of the music.

# Do you have any Hobbies outside of work and what is it?

In my free time I love engaging in stuff like gaming, biking and also baking.

### What did you do during the COVID-19 period?

During the entire period of lockdown, I did spend some time brushing up on new skills, techniques and some of the gears and technologies that I didn't have the opportunity to work upon while I was busy touring. That apart, I also took this opportunity to pursue some of my hobbies more intently. For example, my wife and I started a small bakery from our home; and it was a really fun experience for me to actively pursue this.