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STAR STRUCK

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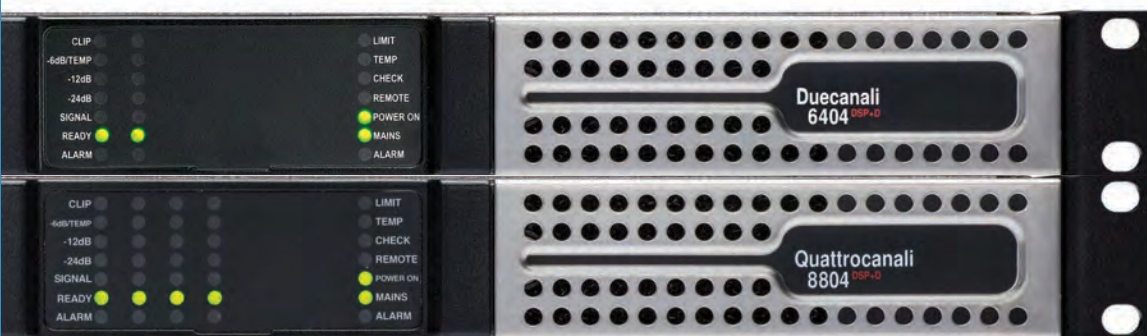
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New generation accommodation



Eiki DLP projectors and LAV Hariz screens in the function room



Guests are greeted by an LED display of 112 AOTO tiles



EV ceiling speakers provide ambience in the dining area



Underwater audio is provided by 10 EV UW30 speakers

Singaporean systems integrator CST has provided millennial-friendly touches to the new Capri by Fraser hotel. **Richard Lawn** checks in

PERHAPS ITS TELEPHONE NUMBER IS SET TO SPEED DIAL in hotels across the island state, but Concept Systems Technologies (CST) certainly seems to land the lion's share of AV installations in Singapore's hospitality sector. Working closely with the architect and the interior designer for the project, CST recently arrived for a limited stay at the latest Frasers Hospitality hotel at China Square Central. Marketed under its Capri brand, CST has played a significant role in wooing the target audience of young business travellers to South Bridge Road by supplying and installing the AV, wireless control and LED wall system components.

There's an energy at the new Capri hotel that sets it apart from the moment a guest checks in. BGM plays a vital role, while the impact generated by the 3mm pixel pitch LED display on entering the lobby distinguishes the hotel from its neighbours. Measuring 6.27m x 3.84m (HxW), this powerful opening statement comprises 112 Shenzhen AOTO Electronics 480mm x 480mm individual LED tiles.

"As the distributor for AOTO, we demonstrated the virtues of the HD and 4K technology to the client at our showroom," explains CST project manager, John Tan. "In terms of cost, reliability and control, LED technology offers many advantages over traditional projection systems, and, of course, it creates a wow factor for entering guests." CST strengthened its hand with a service agreement offering peace of mind by enabling the rapid exchange of any faulty tiles under guarantee.

Capri by Fraser, China Square, actively promotes new technologies to make its guests' stays more convenient and lifestyle-focused. As such, the CST team had to apply its considerable experience well beyond the powerful LED display to all 16 levels of the 304-room property. The company's signature ease-of-use functionality has been particularly well-applied in the second-level divisible function room which relies on a Crestron CP3N wireless media control system connected to Linksys 2.4Ghz POE access points. Programmed to interface with house dimmers, curtains, projectors, screens, video scalars, switchers and audio, users can simply operate and manage functions from a Crestron TSW-1060 10.1-inch wired touchscreen wall panels in either room.



Concept Systems Technologies' John Tan and George Aung

In combined and partitioned modes, traditional projection systems provide the visuals. Three Eiki EK-305U 5,000-ANSI lumen DLP outputs are each paired to LAV Hariz BN 2.4m x 2.4m motorised screens. Kramer WP20 wall plates route the local HDMI, VGA, RJ45 and stereo microphone inputs to a single Kramer VS-66HN media presentation matrix switcher enabled by Kramer TP-580 HDMI-over-HDBaseT 8G+ transmitters and receivers. HD wireless presentations via laptops, tablets and smartphones are enabled by Crestron AM-101 technology.

A Symetrix Jupiter 8 processor is central to the DSP room, combining audio settings in the function rooms, including EQ, FIR filters, auto mixing matrixing and gain management. Sennheiser XSW wireless 825 hand-held and ME2 clip-on transmitters, together with a CD player, are output to a ceiling speaker solution comprising 18 EV C8.2 8-inch coaxials and six EV C10.1 subwoofers. "The EV models are an industry standard that CST has consistently relied upon for its projects," says assistant project engineer, George Aung. "They're powerful, offering plenty of bass reproduction, with even dispersion courtesy of their inherent 180° conical dispersion and, crucially for ourselves as the SI, they're straightforward to install." Two Apart Revamp 4240T four-channel amplifiers supply the power in 8Ω mode.

The same Apart Revamp 4240T, EV C8.2 and EV C10.1 audio components have been extended to the neighbouring second-

level executive lounge and lobby area. Microphone paging and music sources are fed into an Apart Zone4 audio matrix locally controlled from Apart Zone4R wall panels. EV ceiling speakers in the adjacent all-day dining area are routed to an Apart PM7400 Mk II eight-in/two-out zone mixer. For the guestroom corridors, a network of Bose DS16F 4-inch ceiling speakers powered by Apart Revamp 4240T amplifiers extends the BGM to level 15 from the same Audiosports digital media player system.

A dedicated audio system provides music for the 16th-level pool deck and gym. Above the waterline and hidden in foliage, 12 weatherised TIC GS30 4.5-inch outdoor 80W speakers provide 360° horizontal dispersion. Below the water, the likes of Coldplay and Keane emit from 10 EV UW30 underwater speakers. The 100V line system is complete in the gym where four EV Evid 4.2T 6.5-inch cabinets can be controlled according to required adrenalin surges. As below, an Apart PM7400 zone mixer and a Revamp 4240T amplifier together with a CD player create the ambience of this standalone zone.

"Capri by Fraser was launched to cater to the unique lifestyle of millennial travellers whose needs have evolved and will keep evolving," commented Frasers Hospitality chief executive officer, Choe Peng Sum, at the opening ceremony.

Naturally, AV is just one component of the hotel's mosaic; the technology CST has employed is perhaps somewhat conservative compared to other features. These include robots that pick up laundry trolley carts and the self-service Spin & Play laundrette. The hotel has received positive feedback on its interactive Prama flooring, designer furniture in the Den, wireless charging pads and games including Atari Pong. Innovation continues in guest rooms as smart control technology detects guest occupancy, rendering card keys redundant, while in the showers, CST has delivered a final flourish: all 304 guest bathrooms are installed with moisture-resistant Bluetooth ceiling speakers that can be programmed with a password by each hotel guest. The ODM speakers have been manufactured by CST, which worked with the hotel on designing products for its specific needs.

www.concept-systems.com.sg

www.frasershospitality.com