

ProAudioAsia

LIVE SOUND | RECORDING | INSTALLATION | A/V | BROADCAST | POSTPRODUCTION | July-August 2015

BILLION DOLLAR DREAMS

City of Dreams Manila opens its doors in Entertainment City

THE CAT'S CRADLE

The R&D behind Meyer Sound's Leopard

RISK AND REWARD

The new home of the Bank of Thailand

REUNIFICATION DAY

Vietnam marks its 40th anniversary

CITY OF DREAMS

MANILA

Singapore: MICA (P) 013/05/2015

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Processing Power

The intelligent and adaptive power amp and DSP technology in our APA Series work as one, constantly monitoring and responding to prevailing conditions, protecting drivers, and significantly enhancing performance of any speaker system. Visit our website to find out more.

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NORTON AUDIO THE TRUTH OF SOUND

I18, I112B, I112C, I112, I118B, I1212W, I218B

I-SERIES

Norton's i-Series combines state of the art power electronics, advanced Digital Signal Processing and the finest acoustic technology engineered in a way no more complicated than necessary.

Norton's i-Series are coaxial speakers with a single point-source radiation. All frequencies emanate from the exact same point producing a coherent wave-front across the entire frequency range and a smooth transition between the low and high frequencies without the polar interference typical of the two origin-points in the traditional speaker-horn combinations.

For Full Specifications:
www.nortonaudio.com
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CROWNE PLAZA CHANGI AIRPORT RETROFITTED WITH NORTON AUDIO

SINGAPORE: The prestigious Crowne Plaza® Changi Airport has been equipped with a Norton Audio sound reinforcement system within its Chengal ballroom. The equipment was supplied and installed by Concept Systems Technologies.

Following the opening of Changi Airport Terminal 3 in 2007, Crowne Plaza® Changi Airport became a part of the iconic façade of the airport when it opened a year later. Named the World's Best Airport Hotel 2015, as voted by travellers in the Skytrax World Airport Awards 2015, its modern architecture combines hints of nature that provide visitors entering the island state a foretaste of a modern garden city. In addition to attracting weary travellers between flights and visitors from the nearby Expo, the column-free Chengal ballroom is also a top venue choice for wedding planners. Although no natural daylight penetrates the ballroom, the forest canopy ceiling and tree-trunk adorned walls leave guests with the impression that they are being entertained outdoors. In reality, Airbus A-380s are taking off and landing within a few hundred metres of the hotel at one of Asia's busiest airports.

Located on the first floor, the divisible 26m by 14m room can accommodate up to 280 guests for a banquet with a further 80 in a theatre style set-up. The hotel is soundproofed to perfection, but the ballroom's audio was in urgent need of an upgrade as only one system served the two separate entities when partitioned. Following a successful tender, Concept Systems



The ballroom now benefits from two ceiling suspended I12 enclosures with I118B subwoofers

Technologies was called upon to supply and install a Norton Audio loudspeaker system based on its proposed design.

Two ceiling suspended L-R systems consisting of single I12 coaxial point sources and I118B 18-inch subwoofers operating in parallel or in standalone mode at either end of the 26m space. The various sources such as playback, announcements and live music are mixed through an Allen & Heath QU16 digital console, whilst DSP management

is handled by a Sabine NAV8802 8-in/8-out processor. 'Retro fits are always a little tricky as you have to be very careful with the existing fixtures and décor,' confirmed senior sales project manager Gerald Fong. 'Routing the conduits and the Canare 2S11/9F cabling to the speaker points in the false ceiling above was particularly challenging.'

Separate events can now be staged in both sections once the DSP presets have been applied. 'The I12s are very powerful speakers

which provide even dispersion courtesy of the 80-degree conical directivity. They operate down to 60Hz, but the I118Bs take it down to 33Hz if required, so we've set the crossover at 80Hz.'

www.crowneplaza.com/changiairport
www.concept-systems.com.sg



Norton ND2 amps power the system