

# Hong Kong Convention and Exhibition Centre



## SUMMARY

### • LOCATION

Hong Kong, China

### • FACILITY SCOPE

Exhibition space of approximately 89,000 square feet (83,000 square meters), together with 99,000 square feet (92,000 square meters) of rentable, multi-use space.

### • OBJECTIVES

A new DSP system was required in order to accommodate the wide variety of events the center hosts, and the installation would have to be performed around the center's busy calendar.

### • BIAMP SOLUTION

Tesira

### • OUTCOME

By implementing Tesira, the need to run new cabling was eliminated, greatly streamlining the process; additionally, the server's 48 channels of audio input and output provides the power and flexibility the center requires.

### • EQUIPMENT

Tesira Server-IO

Since opening in 1988, the Hong Kong Convention and Exhibition Centre (HKCEC) has arguably become the most iconic building on the island. The HKCEC has significantly expanded in recent years, now offering an exhibition space of approximately 89,000 square feet (83,000 square meters), together with 99,000 square feet (92,000 square meters) of rentable, multi-use space, which is regularly booked with meetings, shows, banquets, and special events.

Despite the regular maintenance performed on the original analog AV equipment, a recent DSP infrastructure failure necessitated an urgent installation of a new DSP system. Most importantly, the integrator would have to work around the HKCEC's busy schedule.

YH Shum, director of the chosen integrator, China-Tech Engineering Company, explains the situation further: "The HKCEC cannot simply cancel booked events or turn away business. While we could have closed the building and completed the installation relatively quickly, we chose to work around the HKCEC's packed diary of events allowing them to honor their commitments to their customers. The installation was simplified by not having to run new cabling."

## SOLUTION

With a system design that seamlessly incorporated modular scalable I/Os, DSPs, and networked endpoints into the existing analog AV system, the bid submitted by China-Tech Engineering Company was approved. However, the digital media backbone of the proposed system exceeded the HKCEC's future-proofing requirements with a provision for up to 420 x 420 digital audio channels.

The solution China-Tech Engineering created used a primary digital media transport. This DSP-based networked media system uses Audio Video Bridging (AVB) to carry media streams over Ethernet networks using existing cabling infrastructure and previously installed analog systems, which significantly reduced the cost to the HKCEC, and the amount of work and time required of China-Tech Engineering.

The HKCEC's new DSP system, built around Tesira, is rack mounted in the main control room behind the convention hall. Thanks to the system configuration, a partitioned approach made it possible to design and divide portions of the system without affecting existing portions that were working well. For example, the convention hall can now be divided into three sections, with customized AV requirements within each.

## CONCLUSION

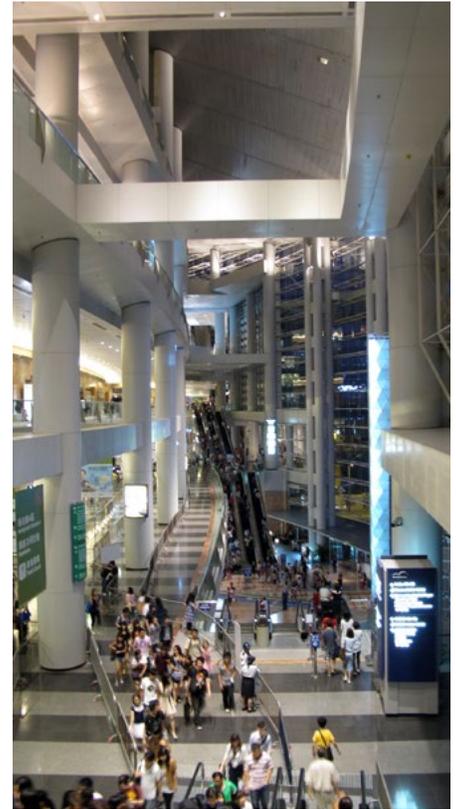
With Biamp Tesira as the primary digital media transport, this DSP-based networked media system solution has united past and present AV networks with full system redundancy, future-proofed flexibility and scalability, and a system of support that is guaranteed.

As Roy Lo of China-Tech Engineering put it, "with 256 channels and the 420 X 420 channels that Tesira provides, it will be more than enough for the needs of our client over the years to come."



**[Tesira] will be more than enough for the needs of our client over the years to come.**

**ROY LO**  
China-Tech Engineering Co



## ABOUT BIAMP

Biamp is a leading provider of innovative, networked media systems that power the world's most sophisticated audiovisual installations.

Recognized worldwide for delivering high-quality products and backing each one with a commitment to exceptional customer service, Biamp's mission is connecting people through extraordinary audiovisual experiences.

Founded in 1976, Biamp is headquartered in Beaverton, Oregon, with offices and manufacturing facilities located around the world.

## CONTACT US

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