

CASE STUDY

Melbourne Convention & Exhibition Centre

COMPANY

Elecraft

PROFILE

Leading Installation Company sub-contracted for the electrical and communications infrastructure in the Melbourne Convention and Exhibition Centre.

CHALLENGE

The centre required a quality copper and fibre optic communications infrastructure using standards-based connectivity and an extended warranty to ensure continued operation for many years to come.

SOLUTION

Elecraft selected the Belden IBDN copper and fibre optic cabling system for the project due to Belden IBDN offering both a quality and Standards compliant solution that is also exceptional value for money.

RESULTS

Elecraft have been delighted with the level of service and support for the project that has been delivered through a timely response to such requests as samples, technical data and the delivery of materials for the project.

PROJECT

Melbourne has become home to the largest combined centre of its kind in Australia with the construction of the new Melbourne Convention Centre. This landmark centre has the ability to be fully integrated with the Melbourne Exhibition Centre.

Accredited with the first 6 Star Green Star Environmental Rating in the world for a convention centre, it will offer visitors a mix of natural light and fresh air while using a range of power saving initiatives.

In another design first, it will be possible to divide the 5,000-seat plenary hall into three self-contained halls, whilst ensuring a clear view to the stage for all members of the audience.

With the Victorian Government committing \$370 million towards the infrastructure for the business events industry, the Melbourne Convention Centre will increase economic activity and jobs in the state prior to, and after, its 2009 opening.

The major sub-contract for electrical and communication services were awarded to leading installation company Elecraft, with Madison Technologies supplying Elecraft with a quality copper and fibre optic cabling system for the project.

CHALLENGE

The centre required a quality copper and fibre optic communications infrastructure using standards-based connectivity and an extended warranty to ensure continued operation for many years to come.

Components need to be carefully selected and submitted for approval to be used on-site for the project. Since the building is a large facility, copper and fibre backbone cabling form an integral part of the complete communications infrastructure. To supply a large construction site with varied stages would require the installation team to work closely with their supplier, Madison Technologies, to ensure timing of all components was exactly right.



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SOLUTION

Elecraft selected the Belden IBDN copper and fibre optic cabling system for the project due to Belden IBDN offering both a quality and Standards compliant solution that is also exceptional value for money. This system consisted of Belden IBDN's System 2400. System 2400 entails the use of Category 6 U/UTP copper system for high-speed data communications, and Belden multi-pair cables for indoor and outdoor backbone connectivity. The fibre optic system was enhanced with the use of composite single mode and multimode cable, and the Belden FiberExpress connectivity system for improved access to fibre optic connections.

To meet the challenge of the installation, Madison Technologies worked closely with Elecraft to plan the delivery of materials. Elecraft provided the installation schedule to Madison Technologies, where details and milestones were converted to shipping commitments. To assist with fibre optic and copper backbone cable requirements, the cable shipments were supplied in ready cut lengths and conveniently marked with the intended location and use. This initiative helped save Elecraft valuable time for the installation process.

OUTCOME

Elecraft have been delighted with the level of service and support for the project that has been delivered through a timely response to such requests as samples, technical data and the delivery of materials for the project.

After a successful commencement of the Melbourne Convention Centre project with Madison Technologies and the Belden IBDN system, Elecraft has since extended the project scope to include the Hilton Hotel complex being developed on-site. The Hilton Hotel is an ideal environment for the Belden IBDN BIX System which offers a very high density yet flexible solution for copper communications connectivity.

