

Brisbane Convention & Exhibition Centre

June 2012

Brisbane Convention & Exhibition Centre is located in the cities unique precinct at South Bank, home to Brisbane's thriving arts and cultural community. The centre is built upon the site of World Expo Park, the roller coaster theme park built for the successful hosting of Brisbane's World Expo 88.

The original building was opened in 1995 at a cost of 170 million dollars and spanned 450 metres in length, 120m wide and 24m high. The complex roof design was based on five paraboloids with the building stabilised by concrete shear walls and clad in steel. A car park is located on the ground floor. In 2012 a five level, \$140 million dollar expansion of the existing centre was opened. The newly expanded centre delivers 25,000 square metres of exhibition space with the unprecedented flexibility of 44 meeting rooms capable of holding from 8 to 8,000 delegates.

With such a large facility, energy efficiency was integral to the expansion designs ensuring 'best practice' was met. With a 5 star green star environmental rating in mind, engineers required a lighting control system to deliver energy efficiencies through zoned switching with occupancy sensors and reduced modes for set-up and pack-down situations. It also needed to be flexible enough to cater for continual set-up changes, scene setting, and dimming control of different lighting sources including DMX Led fittings.

Having successfully supplied and commissioned the lighting control system for the original building we were sort out to provide the same knowledge and experience to the extension. 20 amp feed through relay controllers along with the DSI and Leading Edge

Scope of Works:

- Each station consists of approximately
 - 264 x Network Relay Channels
 - 240 x Network HF Ballast Channels
 - 96 x Network Dimming Channels
 - 5 x Network DMX Bridges
 - 1 x Controlsoft Head End Control Package

