

## One One One Eagle Street

August 2012

One One One Eagle street Brisbane, Australia, is the largest dedicated office tower for the Brisbane CBD. It has been designed to achieve a Green Star office design rating of 6 and a Nabers rating of 5. The tower stands tall at 195m and offers 60,000m<sup>2</sup> plus of office space and has been constructed on a unique site right along side the Brisbane River.

The building employs a number of energy efficient methods, from tri generation plants to chilled beam air systems and solar blind automation for external control of heat and light loads on the building.

Having provided a networked lighting control system that integrates to the BMS system via a high level interface. The overall lighting control topology has been wired as a trunk and spur network, an RS485 trunk running up the entire building, and on each level an RS485 spur has been configured on each of the floors. Network bridges isolate each of the levels from the trunk enabling site wide messages to pass, and also filter messages that are not required, minimizing unnecessary network traffic.

The building employs DALI ballasted light fixtures through out, with each of the floors being divided into four sub tenantable areas, each of the floors employ global scene panels along with motion an PE controllability of the lighting fixtures.

The systems topology allows for the integration of future tenants with low impact to the networks configuration.



### Customer Benefits:

Fully integrated networked building allowing future tenants flexibility and controllability.

### Scope of Works:

- 54 Network Bridges
- 548 DALI Universes
- 532 PIR/PE Sensors
- 340 20amp Relay channels
- BACnet HLI BMS Interface