

PROJECT FACT SHEET

Customer: HYLC

Project: New Royal Adelaide Hospital

Project Profile: With a total construction budget of \$1.8B the New Royal Adelaide Hospital is the largest health related construction project undertaken in Australia and the largest single infrastructure project ever undertaken in South Australia. Construction commenced in 2011 and is due for completion in April 2016.

The Hospital has 175,000m² of functional area, 50,000m² of carparking area, 40 tech suites, 800 x single patient bedrooms and 8,174 rooms in total.

Nilsen contract value is \$175M with the scope of works including 6 x 2.5Mva 11 KV Standby Generators, 16 x 2Mva 11Kv Transformers, 800 x LV Switchboards, 43,000 x Lights, 45,000 x Gpo's, 1200 x Medical Service Panels, 33,000 x Cat 7A data outlets and associated cabling infrastructure. Nilsen project labour peaked at 450 tradesmen and associated project support.

Being the only Tier 1 Disaster Recover Hospital in South Australia the project design calls for multiple levels of service redundancy resulting in the Hospital having the capacity to run for 48 hours in full island mode.

The project brief also includes a requirement for all services to remain functional after a 1 in 500 year seismic event and this necessitated extensive engineering and testing of all systems and equipment mounting arrangements.

All coordination on the project was undertaken using Revit 3D modelling software with install set out utilizing Trimble Integrated Positioning Technology.

