

## PROJECT PROFILE



<b>Name:</b>	Wellington Hospital	<b>Client:</b>	Fletcher Construction
<b>Specifying Authority:</b>	Capital and Coast District Health Board	<b>Site Location:</b>	Newton Wellington
<b>Value at Completion:</b>	\$2.7million	<b>Year Completed:</b>	2009

**Project Description:** Design and installation including new 11kv reticulation system, incoming supplies from existing Mein street sub-station, protection and SCADA. Relocation of existing power factor correction unit and modifications to existing 11kv switchgear and protection.

### Technical Highlights:

- Provision of new back up supply from existing HV switchgear in Link Block.
- Modifications to the electrical infrastructure within the Total Energy Control (TEC) system. 11kv network comprising of four 11kv sub-stations throughout the building.
- Supply and install seven new ABB 1MVA 11kv/415v transformers.
- Supply and installation of all new HV feeder cabling and control cabling for SCADA and all required cable support systems. Inclusive of equipotential bonding and main earth systems.
- Supply and installation all Reyrolle Pacific 650amp 11kv switchgear for four new substations.
- Total design and construct SCADA system to control and monitor the hospital infrastructure HV system to ensure security is maintained.

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**Environmental and safety Initiatives:** Standard occupational Health and Safety Management Plan and JSA's were sufficient for the project. High Voltage awareness during testing and commissioning procedures.

**Personnel:** Project Manager: Ken Allen

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