

Auckland Prison East Unit 1 & 2 Switchboard Upgrade



Project: Auckland Prison East Unit
1 & 2 Switchboard Upgrade
Client: Department of Corrections
Location: Auckland
Contract Value: NZ\$1,000,000

Electrix was awarded the contract to upgrade the two main switchboards in the Paremaremo Maximum Security East Unit, Auckland.

Part of the scope was upgrading the down stream services (McB's), whilst ensuring power continuation during the upgrades.

For security reasons it was necessary to have minimum outages during the upgrading.

During installation it was discovered the HV switches required upgrading as well due to age and lack of confidence with the switch mechanism . This lead to further investigations resulting in the HV cable between substation 1 and 2 being replaced.

The investigation also found non compliance issues which were immediately rectified including neutral faults, extreme harmonic distortion and high neutral current plus unbalanced loads.

This contract runs for six months and is due for completion in May 2011.



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