

AML**Switchgear**

Project Profile

Project: Lyttelton Tunnel Upgrade
Location: Christchurch
Client: Newpower Electrical / Transit NZ
Consultant: Opus
Project type: Main Switchboards

Man hours: 1,000
Duration: 3months
Completion Date: Jul-07

Description of Site

The Lyttelton Road Tunnel has been in service since 1964 linking Christchurch to the Lyttelton Port. At 2 kilometres in length, this is the longest road tunnel in New Zealand.

Description of Project

AML Switchgear were contracted to supply new main switchboards and several control boxes along the length of the Tunnel. The old main switchboards were the original Dorman Smith (D&S) units that have been in service since 1964. Although these were the original switchboards, several large breakers & circuit breakers had been replaced recently due to failure of original components. These new components were reusable & AML designed their switchboard & bus bar configuration to enable these items to be effectively reused. AML Switchgear worked closely with the electrical contractor throughout the project to ensure seamless changeover from the old equipment to new which was generally conducted late at night when traffic flow was at a minimum as the two three metre diameter fans that supply constant fresh air into the tunnel were only able to be out of service for very short periods of time. This project was completed on time & within budget.

