

PROJECT SNAPSHOT

INDUSTRIAL

LAKE BENMORE POWER GENERATION FACILITY, NZ

FireFinder™/ FastSense

OVERVIEW

Benmore is a 540 Megawatt hydro-electric power station located on the Waitaki River – South Island, New Zealand. The project required replacement of existing aspirating detectors to many critical operating areas within the facility.

Our customer selected **FastSense** aspirating detectors after seeing the benefits of **ClassiFire** “Relative Sensitivity” software and the ease of commissioning in a difficult environment.

SYSTEM SUMMARY

The new system comprises of a **FastSense** network consisting of 4 x **FastSense 100**'s, 3 x **FastSense 25**'s and a 19 inch rack mount **FastSense** Command module. An APIC card was fitted to the command module to interface the network to an SP1 **FireFinder** panel for connection to the SCADA system, which provides offsite transmission of system status. The interface comprises of signals for Aux, Pre-alarm, and Fire 1 from each detector. A common Defect signal is also provided.

SITE SPECIFIC CHALLENGES

To install and commission a sensitive detection system with minimum down time, which replicated existing reporting functions.

SITE SPECIFIC SOLUTIONS

The **FastSense** detectors were supplied for installation first and left operating for a few weeks whilst being monitored. Following installation of the Command module & **FireFinder** the complete system including interfaces could be tested from a PC using the FastSense Remote software. This caused minimum disruption to the station operators.



INSTALLER'S STATEMENT

*“The **FastSense** software coupled with the **FireFinder** APIC interface made the commissioning very easy.”*

John Walker – Chubb Building Services

SPECIFICATION

Panels / Network Nodes	1
Loops	1
Zones	0
Panel Relays	32
FastSense Command Module	1
FastSense 100	4
FastSense 25	3
Interface outputs	29