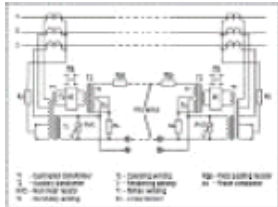


# PROJECT DATA

## 33kV Protection Upgrade Design Verification



### CLIENT

Bluescope Steel Limited

### PROJECT LOCATION

Wollongong, NSW

### DATE OF PROJECT

14/10/2005

### SERVICES PROVIDED

- Schematic Design Review
- Protection Logic Design Review
- Current Transformer Performance Assessment
- Protection Relay Setting Review
- Review of Protection Implementation Methodology and Strategy

Bluescope Steel have recently committed to a plant-wide upgrade of protection for the 33kV network at their Port Kembla Plant. The upgrade encompasses 4 major substations comprising a total of sixty four 33kV circuits

Hydro Tasmania Consulting have been engaged by Bluescope to ensure that the design proposed by their consultant will provide the functionality to meet the requirements of the agreed Design Philosophy.

Hydro Tasmania Consulting performed peer design verification of electrical protection panel design functionality, assess the existing Current Transformer performance for application to new designs, evaluate new protection relay logic functionality and evaluate and review all new protection relay settings. Also included in the work package is a peer review of Bluescope's protection implementation strategy proposal for each substation.



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