

# PROJECT DATA

## Hadspen 220/110k V Substation Project

<b>CLIENT</b>	Transend Networks Pty Ltd
<b>PROJECT LOCATION</b>	Northern Tasmania
<b>DATE OF PROJECT</b>	February 1997 - April 1999

### SERVICES PROVIDED

Preparation of the preliminary power circuit and metering and protection one line diagrams, general arrangement drawing, functional specification design, contract management, and project management were undertaken; in-house, and detailed design, procurement and construction was by contract.

- Project management, including management of in-house design resources and contract management;
- Preliminary design
- Functional Specification preparation
- Tender adjudication
- Contract supervision
- Environmental Impact Assessment and negotiation for statutory approvals;
- Commissioning of all components

The project comprised construction of a major green field 220/110kV, 400MVA substation to strengthen the 110kV, 400MVA substation to strengthen the 110kV transmission system near Launceston and 110kV transmission line to provide an additional injection point for the nearby Trevallyn Substation.

The substation was built on a transmission line easement beneath two 220kV and three 110kV and three 110kV transmission circuits that were terminated at the new substation, together with two additional 110kV circuits were diverted to the substation. In order to provide for future transmission developments, the layout of the 220kV switchyard was designed to be reconfigurable from the initial double-bus arrangement to a breaker-and-a-half arrangement by simply altering the location of overhead droppers.



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