

PROJECT DATA

George Town Substation 245kV and 123kV Capacitor Banks

CLIENT

Transend Networks Pty Ltd

PROJECT LOCATION

George Town, Northern Tasmania

DATE OF PROJECT

February 1998 - May 1999

SERVICES PROVIDED



- Project Management - contract administration and negotiation, cost and schedule control and quality assurance.
- System studies to establish correct rating as well as impact of back-to-back switching and harmonics
- Specification, supply, installation, contract management and commissioning of all major and ancillary equipment
- Design of 220kV and 110kV bay layouts including earthing design
- Design of protection and control including the interface to the existing system
- Design of foundations, drainage and structural steel work
- Pre-commissioning and commissioning of the 220kV and 110kV bays
- Site liaison and final inspection

Hydro Tasmania Consulting was responsible for the procurement, design, and site liaison for the installation of one 245kV, 70MV Ar and one 123kV, 35MV Ar capacitor bank including all switchgear and protection at George Town Substation.

The project required the establishment of one new 220kV bay and one new 110kV bay in an existing live yard. Each capacitor bank is complete with a timed reaction due to this substation providing supply to major industrial customers.

The project required stringent controls to ensure that no interruption to supply occurred.

LEADERS IN CONSULTABILITY



Head Office
4 Elizabeth Street
Hobart, Tasmania 7000
GPO Box 355, Hobart
Tasmania 7001, Australia
PHONE 1300 360 441
FAX +61 3 6230 5460
EMAIL
consulting@hydro.com.au
Hydro Tasmania is a business
of the Hydro-Electric Corporation
www.hydrotasmaniiconsulting.com.au



Hydro Tasmania
Consulting