

PROJECT DATA

Trevallyn PS Upgrade & Modernisation Project

CLIENT	Hydro Tasmania Energy Division
PROJECT LOCATION	Tasmania, Australia
DATE OF PROJECT	2002 - 2004
SERVICES PROVIDED	<ul style="list-style-type: none">• Pre-feasibility,• Feasibility,• Design & Implementation



The purpose of the Trevallyn upgrade and modernisation project was to investigate and recommended optimal upgrade and modernisation options for the Trevallyn Power Station and headworks.

The feasibility study identified an upgrade and modernisation scope by following the methodology below.

- Development of potential upgrade and modernisation options.
- Development of respective economic models.
- Development of station risk profiles over the next twenty years.
- Filtering of options according to the economic and risk evaluations.

The project included investigation into the upgrade and refurbishment of the following major equipment:

- Turbines: Distributor, Runners, Nozzles, Controls, Deflectors, Governor, Oil Supply, Bearings etc.
- Generators: Stators, Rotor, Braking and Jacking System
- Generating Sets: Exciters, Voltage Regulators, Brushgear & Sliprings, Protection and Control equipment etc
- Power Delivery Chain: Generators Busbars and Terminal Equipment, Switch Gear, Transformers etc.
- Control and Auxiliary Systems
- Conduit System and other civil infrastructure

