



# POWER STATION UPGRADE | NORTHERN TERRITORY

Case Study

## Customer

**Channel Island Power Station - Territory  
Generation**

## Location

This natural gas fired station with diesel back-up is located on a small island 50km south of Darwin.

## Background

Providing the main source of power for the Darwin-Katherine interconnected system, the Channel Island Power Station has 310MW of installed capacity.

Ampcontrol was commissioned to scope and complete the required work to successfully upgrade major asset protection relays as part of a site wide shutdown.

## Achievements

Ampcontrol recommended changes within the protection parameters, which included challenges related to power supply voltages, switchboard modifications and upgrades to existing control wiring on-site.

A successful shutdown was achieved through the delivery of:

- Specialist on-site HV field services
- Protection parameter adjustments
- Electrical installation of protection relays
- Switchboard modifications