

PROJECT FACT SHEET

Customer:

Boulderstone

Project:

AIMS Cape Ferguson

Project Profile:



The **Australian Institute of Marine Science (AIMS)** is an internationally renowned, world leader in the science underpinning sustainable development conservation and management of tropical marine environments. The Cape Ferguson project encompassed the redevelopment of AIMS' existing facility some 50 kilometers south of Townsville.

Nilsen was awarded the Electrical Services subcontract for the project, which was completed over three stages from August 2011 to September 2013. These stages included a new 3-Storey Office Block and Laboratory extension, a new Tropical Ocean Simulator building and National SeaSIM facility which enables AIMS to be at the cutting edge of tropical marine organism research, not previously achievable in Australia. Work was also completed at the chiller plant and tank south of the AIMS access road and at seawater holding ponds located southeast of the AIMS complex.

Nilsen's scope included:

- 2 x 1200kva Generators
- Connection to the Existing Facility
- Site Power and Communications Distribution
- General Site Electrical, Communications and Security Infrastructure

The Electrical Services portion also included a full load generator backup for the entire site as well as secondary power filters/ backup to ensure the facility is maintained at all times. This is critical for the long-term holding and propagation of corals and organisms for research purposes.

One of the bigger challenges on this project was the 700m cable pull along the beach which went through pits laid directly in the sand, around protected flora, up around a holding dam and down into the main building. Due to the severity of the conditions and difficulty of the cable route, several hauls had to be scheduled to enable the completion of this unusual task.

Nilsen staff successfully worked their way through the complexity and logistics of this project, not only on time but safely and without incident.