

Overview

In August 2011, ICS Industries were engaged by Telstra to commence design works on shelters that would accommodate equipment for a major fibre network.

Working closely with the Telstra project team, ICS developed a series of shelters that could house both active and passive equipment.

The early stages of this evolving project required two shelters to be built; Claremont in Tasmania and South West Rocks in New South Wales.

The format of the shelters evolved into a number of units, from 3.3kW to 24kW with or without an Optical Distribution Frame (ODF).

The internal design captured all facets of a fibre exchange including but not limited to; "Telstra Iron Work", DC Power Systems, Standby Power, Air Conditioning and Passive Cooling.



Features

These were a 24kW fibre shelter, 6 meters x 3.3 meters by 3.1 meters and a 13kW with ODF fibre shelter, 7.3 meters x 3.3 meters by 3.1 meters. The scope of the project included full fibre shelter build, delivery to site and placement at the site.

The 24kW fibre shelter was nominated for Claremont. ICS completed all civil works required for placement of the shelter. ICS completed preliminary works at site that involved a geotechnical investigation and shelter foundation design.

Outcome



Pier footings were nominated and installed as well as a concrete foundation for the emergency plant and supporting conduit system.

Once all the civil works were completed ICS managed the full logistics of the shelter delivery to Claremont Tasmania from the ICS manufacturing base in Thomastown, Victoria.

This included sea transportation and dealings with the plant in Tasmania to land the shelter in Claremont. The site was the first of a number of projects programmed on this national fibre roll-out.

