

# Apache Energy Devil Creek Gas Plant

## Overview

ICS were originally approached by Tamco Electrical Industries Australia in early 2008 with sketch designs for a large switchroom combining 11kV switchgear as well as double sided 415v MCC cabinets for major new infrastructure for the new Devil Creek Gas Plant approximately 50km south of Karratha in Region D Cyclonic Northern WA. This gas plant was to be the onshore plant for the Reindeer gas field located approximately 80km off the Dampier coast.



ICS were also approached concurrently by both Apache Energy and Clough Engineering to provide primary Telecommunications facilities and a large Instrumentation room for the project to their exact specifications.

The Telecommunications shelter, 3m x 2.5m was delivered swiftly to site in late September 2009, complete with a 30kVa stand alone Generator and 22kVa UPS. This allowed the Greenfield site, with communications to be commenced in October 2009.

## Features

The Switchroom, fully fitted out with close to 40 tonnes of Tamco switchgear, intricate cable support and gland systems and Argonite Gas fire suppression system, was dispatched in 4 shelter modules and associated platform from ICS in Thomastown in late June 2010. With ICS guidance on the site, it was successfully assembled into a single shelter 34m x 8m.



A separate, stand-alone shelter was also designed and built to safely store the 17 high-pressure Argonite gas bottles and manifolds required for the project.

The Instrument Room measuring nearly 20m long and 8m wide with cable support and gland systems, Airlock, battery room and Argonite Gas fire suppression system was dispatched in 4 shelter modules and associated platforms from ICS in Thomastown in mid-September 2010.

## Outcome



All shelters were designed to maximise clear floor area, to withstand the 300kph winds expected in Region D cyclone areas and to Apache Energy's exacting specifications and standards. The Switchroom and Instrument rooms were located at a height of over 2m above ground level to allow clear access for the cabling to run underneath.

ICS accreditation to ISO9001 and attention to detail allowed the project to be successfully completed to Apache Energy, Clough and Tamco's exacting expectations.

