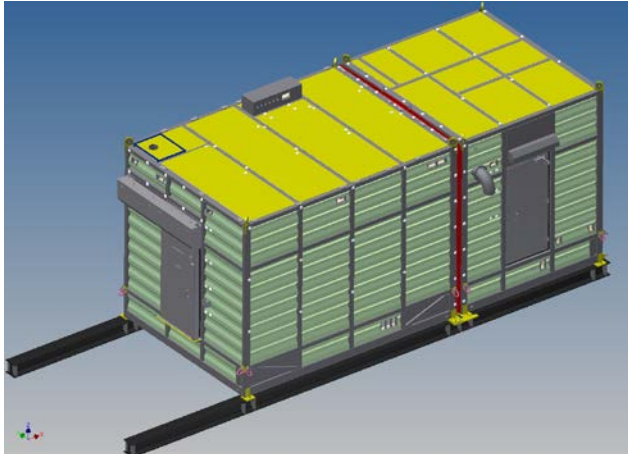


# JOB REPORT



## POWER CONTROL MODULE - LYELL



**Year** : 2012  
**Project Name** : LYELL PCM  
**Operator / Client** : CNRI  
**ATC project no.** : 2645

**Size (L x W x H mm )**: 9000 x 4000 x 3990  
**Weight (kg)** : 38,600 including all equipment  
**Materials** : 4 mm Mild Steel, painted to NORSEK M-501  
**Classification** : A60  
**Certification** : DNV 2.7-3 for Portable Offshore Units

### Project Description / Challenges:

The PCM module was installed on the Ninian Northern platform in the North Sea and was designed for a minimum 20 year life. Due to the maximum platform capacity bring 23 tonnes, the module was built in 2 separate sections which were then skidded together on site with special mating flanges and fire rated gaskets to maintain the A60 rating.

The container was supplied fully comfort insulated and with its own independent 2 x 100% ventilation system to maintain 50 pa overpressure, 6 A/C and an internal temperature of 19-26 deg C.

In addition a 66 kw capacity AC Unit was installed in the VSD section with 3 x 50% air cooled condensers installed on the roof

# JOB REPORT



## Scope of Work:

Trans Constructions scope of work included design development, layout and construction drawings, structural calculations, production of the containers, design, supply, installation, FAT and commissioning of the ventilation and AC systems.



2 x 100% ventilation system and internal ductwork



View through the HPU section, false floor clearly visible

Incoming cables entered the module at low level through 0,5 metre high false floors with removeable access panels.

All relevant NORSOK specifications were followed throughout the project.



Lifting the VSD section after completion of installion