

JOB REPORT



TRANSFORMER CONTAINER - JACKTEL



Year : 2011
Project Name : Jacktel Tie In
Operator / Client : ConocoPhillips
ATC project no. : 2433

Size (L x W x H mm): 10400 x 4100 x 3984
Weight (kg) : 28,400 including all equipment
Materials : 4 mm Mild Steel, painted to NORSEK M-501
Classification :
Certification : DNV 2.7-3 for Portable Offshore Units

Project Description / Challenges:

The transformer container / module was installed on a jacket living quarter in the Norwegian sector of the North Sea and was designed for a minimum 25 year life.

Due to the size of the transformer (13.8 kV/4.8 MVA) a special hatch was made in the roof to ease installation.

In addition the roof was reinforced so it could act as a landing area for a transport basket up to MGW 10000 kg.

The container was supplied fully comfort insulated and with its own independent ventilation system to maintain 50 pa overpressure and 6 A/C.

In addition a 63 kw capacity AC Unit with air cooled condensers was installed in the end section of the container.

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, piping and valves for the AC system,



All incoming cables entered the module through multi cable transits in the floor.

Internal ducting was made of stainless steel and the applicable Norsok specifications were followed throughout the design

