

JOB REPORT



OSEBERG B SWITCHGEAR MODULES



Year : 2012
Project Name : 2 Switchgear modules for Oseberg B
Operator / Client : Statoil
ATC project no. : 2801

Size (L x W x H mm) : each module 6100 x 5850 x 5200
Weight (kg) : approx 35,000 kg each, including equipment
Materials : Stainless Steel AISI 316L
Classification : A0 /A60
Certification : DNV 2.7-3 for portable Offshore Units

Project Description / Challenges:

2 off custom made switchgear modules were supplied as part of the Oseberg B drilling upgrade in the Norwegian sector of the North Sea. The modules were installed on top of each other at an extremely exposed area of the platform.

The lower module was designed as an A60 construction, whilst the upper module was A0 rated. Both modules were insulated with non combustible rockwool firebatts, which were then lined with 0,9 mm perforated stainless steel AISI 316 plate.

Both modules were designed for internal and external explosion loads.

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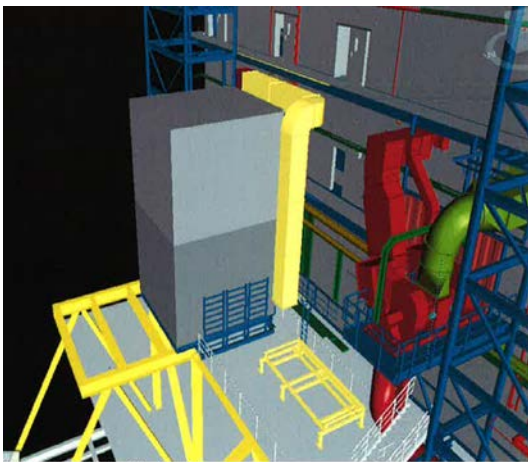


Scope of Work:

Trans Constructions scope of work included design development, layout and construction drawings, structural calculations and production of the containers.

Both containers were delivered with raised floors, all cables entering the modules through low level MCT's.

Ventilation of both modules was provided via the existing systems and was not part of ATC scope of work.



1-1 Switchgear Modules location

3D model showing the exposed location of the modules



The main entrance was a pneumatic operated sliding door



The completed modules loaded on board the supply boat on route to Oseberg B