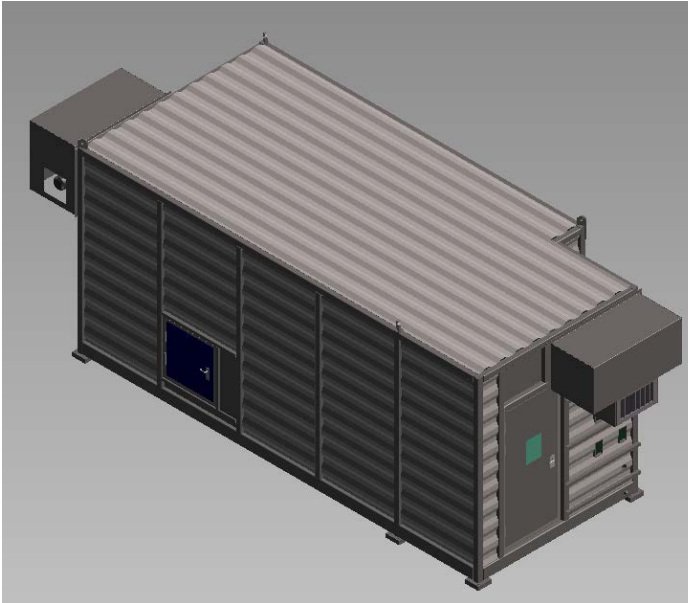


JOB REPORT



LABORATORY MODULE FOR VOLVE



Year : 2006
Project Name : Volve Field Development
Operator : Statoil / Mærsk
ATC project no. : 1699

Size (L x W x H mm) : 7600 x 3600 x 3480
Weight (kg) : 20,700 with all equipment installed.
Materials : 4mm Mild Steel, painted to Norsok
Classification : A60
Certification : DNV rules for Offshore lifting 2.7.3

Project Description / Challenges:

The Volve field is located in the Norwegian sector of the North sea and the laboratory module was installed on the jack up rig "Mærsk Inspirer".

In addition to Mærsk's own technical standards, full Norsok was applicable. The module was designed as a complete self contained unit and fully equipped to perform laboratory tests on oil and water streams and other samples essential to ensuring regular and safe running of equipment on the platforms.

It was located in a safe area but was designed against explosion, wind, motion and deflection loads and all equipment inside the container was minimum zone 2 (explosion proof).

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Scope of Work:

ATC's scope included design engineering, fabrication, outfitting and testing of the complete module..

This included full multi-discipline responsibility which involved, structural, layout/outfitting, Electrical, Instrumentation, Fire and Gas, Telecom (loudspeaker and telephones) and the Ventilation system including internal ductwork.

The scope included a fully equipped switchboard for all 400/230V consumers, including distribution to normal and emergency lighting.



DNV lifting test



Internal outfitting of the Laboratory module



Internal door into air lock

A challenging project which showed the wide range of services that ATC are able to provide