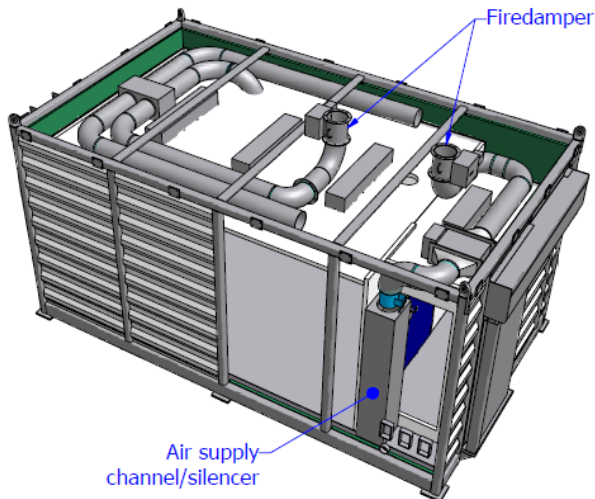


JOB REPORT



ALVHEIM LABORATORY CONTAINER



Year : 2006
Project Name : Alvheim Field Development
Operator : Marathon Petroleum
ATC project no. : 1720

Size (L x W x H mm) : 6100 x 3600 x 3000
Weight (kg) : 12,800 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 Alvheim field is located in the Norwegian sector of the North sea and the laboratory module was installed on the "Odin" FPSO.

In addition to Marathions own technical standards, NORSOK S002 was applicable as well as the NMD rules for mobile Offshore Units.

The module was designed as a complete self contained laboratory, including benches, sink, lights, fume cabinet and hazardous material storage cabinet.

A heated and insulated storage rack for 2 off gas bottles was also fitted outside the container and the main entrance was via a heavy duty pneumatic operated sliding door.

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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 and the Ventilation system, including internal ductwork.

All hook up from the platform supply was via the Junction boxes on the outside wall of the container.



Fume extract cabinet



Internal outfitting of the Laboratory module



Extract ductwork from the fume cabinet

Interface to the platform HVAC system was via fire dampers on the room, all internal ductwork, dampers etc was also part of ATC's supply.

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