JOB REPORT



20 ft LABORATORY CONTAINER





Year : 2007

Project Name : Unspecified Operator / Client : Sevan Marine

ATC project no. : 1863

Size (L x W x H mm) : 6058 x 2438 x 2800

Weight (kg) : 12,000 with all equipment installed.

Materials : 4mm Mild Steel, painted to NORSOK

Classification : A60

Certification : DNV rules for offshore lifting 2.7-1.

Project Description / Challenges:

This special laboratory container, based on a standard 20 foot container was delivered to an Offshore project in Brazil.

The container was comfort insulated with 50 mm insulation in the roof and wall. A heavy duty non slip vinyl floating floor was used.

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

Air conditioning was provided by a 6 kw split unit, entering through a drop separator and EU 6 filters, to provide an internal temp of 22-25 deg C.

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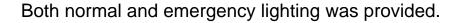


Scope of Work:

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, and the AC system, including internal ductwork.

Hook up from the platform supply was through MCT's o boxes.





View through main door



Internal outfitting of the Laboratory module



AC supply unit mounted under the ceiling

By utilizing a standard 20 foot container, both design and production time was reduced, as well as keeping to standard freight sizes to simplify the transport.