

# 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.

Both normal and emergency lighting was provided.



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.