

JOB REPORT



20 FOOT TRAF0 CONTAINER



Year : 2007
Project Name : Unspecified
Operator / Client : Haliburton / JCE Aberdeen
ATC project no. : 2008

Size (L x W x H mm) : 6058 x 2438 x 2800
Weight (kg) : Total 5,000 with all equipment installed.
Materials : 3 mm Mild Steel, painted to NORSOK M-501
Classification : A60
Certification : DNV rules 2.7.1

Project Description / Challenges:

The challenge was to provide a fully self contained container to house 2 separate rooms, one room containing a small office with PLC/UPS and the other containing an 800 kw Trafo and an AC Unit.

The container also included a separate HVAC module on the roof.

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Scope of Work:

ATC's scope included detailed design, fabrication and outfitting and testing of the complete container, including electrical, Instrumentation and HVAC.

The HVAC module on the roof had a split cooling system, consisting of an air cooled condenser outside the module and an AC Unit inside, designed to maintain an indoor temperature of max 35C°.

A separate inlet louvre/CAM GT filter, 2 Ex run/standby fans, internal ducting and supply heater provided overpressure to the office part of the container

Electric fire dampers were also provided to maintain the A60 rating of the container.



Inside the HVAC module on the roof



Completed container ready for delivery

After completion a factory acceptance test was performed using a temporary simulated heat generation from the trafo to demonstrate the internal temperature did not exceed 35 deg C.