

JOB REPORT



OSEBERG EAST COOLING CONTAINER



Year	: 2007
Project Name	: Oseberg East LQ Extension
Operator / Client	: Hydro / Aibel
ATC project no.	: 1980
Size (L x W x H mm)	: 2250 x 2340 x 2500
Weight (kg)	: Total 3,500 with all equipment installed.
Materials	: 4 mm Mild Steel, painted to NORSOK M-501
Classification	: A0
Certification	: DNV rules 2.7.1
Noise Requirement	: max. 65 db(A) in container

Project Description / Challenges:

The cooling container was required out on Oseberg East when the living quarters bed capacity was increased from 40 to 62 beds in connection with new drilling activities, increasing the need for storage of food.

One of the main challenges was the special layout due to existing HVAC system.

In 2010, the original manual sliding door was replaced on site with a pneumatic one, after a request by the operator.

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Scope of Work:

ATC's scope included detailed design, fabrication and outfitting and testing of the complete container, including electrical (all equipment zone 2), Instrumentation, Telecom, HVAC and controls.

The electrical design included internal wiring with both normal and emergency lighting.

All electrical installation was completed onshore with interface connections to the platform supply terminated to a panel mounted on the wall outside the container.

Instrumentation and Telecom, included optical smoke detectors, pressure differential switches, temperature transmitters and PA speakers.

The **AC system** was a split cooling system, consisting of a compressor/condenser outside the module and an evaporator inside, designed to maintain an indoor temperature between 0C° +6C°. The temperature could be adjusted by a wall mounted thermostat.

An EEx e control panel was also part of the delivery.



Panel for AC Split Unit



Completed container showing sliding entrance

This custom built container involves many disciplines and is a good example of the wide range of skills within Trans Construction AS.