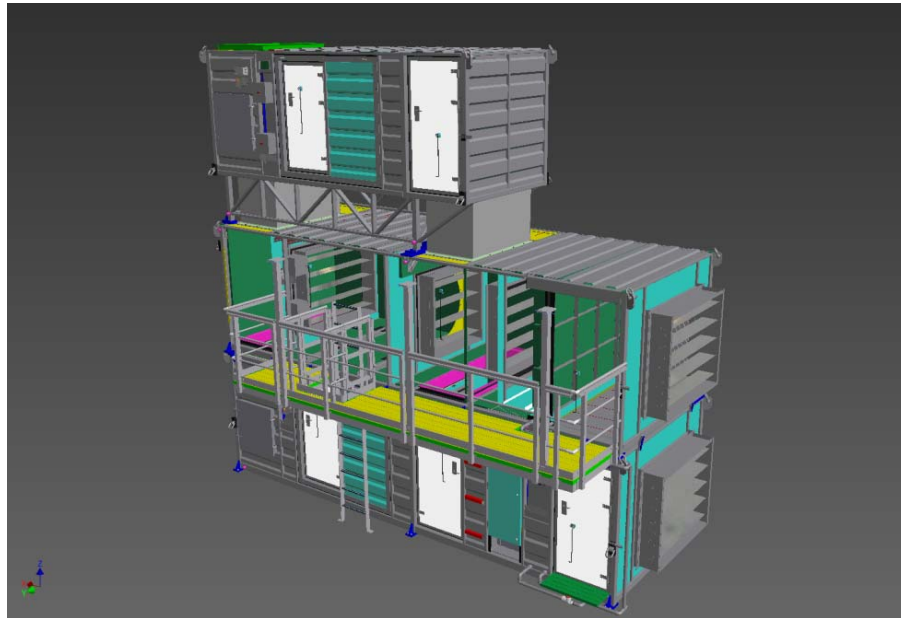


JOB REPORT



SPECIAL DESIGN FOR OSEBERG B



Year : 2010
Project Name : Oseberg B Drilling Upgrade
Operator : Statoil
ATC project no. : 2191

Size (L x W x H mm) : 7240 x 2700 x 7240
Weight (kg) : Total 23,100 with all equipment installed.
Materials : 1,5 mm Stainless Steel 316L
Classification : A0
Certification : DNV rules for Offshore lifting 2.7.3

Project Description / Challenges:

A huge challenge to make 3 unique custom made containers to house an Air Handling Unit with a unique construction to fit into a confined space on an existing platform to provide minimum amount of work offshore.

The Air Handling unit comprised of 3 x 50% direct driven supply fans each capable of delivering 40,000 m³/hr, together with filters, coils and dampers.

The middle section was supplied with its own service platform.

JOB REPORT



Scope of Work:

ATC's scope included detailed design, layout and construction drawings, structural calculations, fabrication of the structure and outfitting of the 3 containers which formed the outside walls of the Air Handling Units.

The complete structure was modeled in 3D and the final design was a result of carefully planning, including offshore surveys to record all the interface points.

Interface was critical and each level of the Air Handling Unit had to match the different deck heights on the platform, hence the raised floor level of the upper section.

After completion, the complete Air Handling Unit was full performance tested to ensure it met the acceptance criteria with respect to air volume, pressure and max noise levels



Installation at workshop, nearing completion



Lower level after installation Offshore, Floor height matching perfectly.

Custom made solution to meet customers specific requirements is the core business of Trans Construction AS.