Job report

DESIGN & HVAC SYSTEM

OFFSHORE

FPSO PEREGRINO

OUR CLIENT MAERSK FPSO – DENMARK
BUILDER KEPPEL SHIPYARDS - SINGAPORE

DESCRIPTION OF THE PROJECT

Maersk FPSO awarded NOVENCO a contract for supply of the HVAC package for a FPSO vessel for the Maersk's Peregrino project.

Maersk FPSOs signed the contract with StatoilHydro for the provision of the FPSO and for 15 years of operation on the Peregrino field off the Brazilian Western Shelf.

The FPSO and two drilling platforms will be stationed on the Peregrino heavy oil field in the Campos basin 85 km off the Brazilian coast in 100 m deep water.

The FPSO is a conversion of a tanker produced in Dalian, China; and the vessel was converted at Keppel Shipyards' facilities in Singapore.

End of 2010, the FPSO left the shipyard in Singapore for the Peregrino field where it will be hooked up.

CHALLENGES

Being a well known and experienced offshore supplier for HVAC, Novenco was selected as partner. The systems were designed according to NORSOK's design requirements for the HVAC system: a.o. requirement for low sound levels.

The temporary refugee area and control rooms were designed for operation during close down and equipped with a separate cooling system of self contained units as backup for the HVAC system.

SOLUTION

Novenco´s scope of work was the design and delivery of AC and ventilation systems for the cabin area, mess and recreation area and temporary refuge area including final commissioning of the systems. A number of ventilation fans were also to be exchanged to EExd type and the fans for the new emergency generator room were also part of the scope.

Equipment was shipped to Singapore for final integration and commissioning.

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HVAC SYSTEM

TECHNICAL DESCRIPTION EQUIPMENT

SCOPE OF SUPPLY:

SERVICES PROVIDED

For the cabin area, a single pipe high pressure re-heat air conditioning and ventilation system was selected.
For the mess and recreation area, a low pressure zone re-heat air conditioning and ventilation system was selected.
As backup system, Air-Cooled Self Contained Units were delivered, and the FCU was selected for removal of high heat dissipation from equipment.

PRODUCTS

Air Handling Units
Centrifugal and axial fans
Cabin units
Control panels
Chilled water units
Fan coil unit
Fire damper
Air-Cooled Self Contained Units

MU 14240 0311

Owing to continued product development Novenco reserves the right to introduce alterations without prior notice