

## GJØA SEMI SUBMERSIBLE PLATFORM

OUR CLIENT Aker Solutions  
OPERATORS Statoil Hydro

**DESCRIPTION OF THE PROJECT**

Gjøa is a Semi-submersible platform which will be located in an oil field off the west coast of Norway at a water depth of 370m. It is a combined oil (estimated reserves 60 mill barrels) and gas (estimated 35 billion m<sup>3</sup>) field.

Gas will be exported to Scotland and Oil will be sent to Mongstad in Norway.

Statoil is the operator in the field development phase.

The Gjøa production facilities topsides measure 110 meters long and 85 meters wide and weigh approximately 20.000 tonnes. The hull alone weighs 14.200 tonnes.

The Gjøa topside is built in Norway by Aker Solutions at their Stord yard and the living quarters are being built next door at Leirvik Module Technology.

Tow out is expected to be in 2010.

**CHALLENGES AND SOLUTIONS**

The main challenge was the comprehensive specification and documentation requirements. Over 400 different documents have been issued by Novenco for the topsides and living quarters.

The contract was based on a frame agreement with equipment specifications confirmed as the design was completed and scope clarified.

The HVAC system was based on centralized systems with the main Air Handling Units being some of the biggest Novenco have ever delivered.

All units were performance tested in Næstved DK, prior to delivery.

In addition, a large number of HVAC field equipment items have been supplied from Novenco's partners.

**SCOPE OF WORK**

Novenco's scope of work was procurement, production, testing and delivery of all HVAC equipment for the Topsides and living Quarters.

**ADVANTAGES**

Novenco has delivered HVAC equipment to Aker Solutions and Statoil for more than 20 years and are familiar with the most stringent requirements imposed by these companies.

It is Novenco's vast experience supplying their products to Statoil and other demanding offshore clients in various parts of the world that allows Novenco to offer customers the most reliable and optimal HVAC solution for their project.

Novenco are one of the very few remaining suppliers of HVAC equipment that produce the main components such as Air Handling Units and fans themselves, ensuring total control over the production process.

SCOPE OF SUPPLY:

**SYSTEM**

- Air handling units
- Fan coil Units
- Centrifugal and axial fans
- Inlet and outlet louvres
- Pneumatic fire dampers
- Pneumatic shut off dampers
- Balancing valves
- Variable speed drive cabinets
- Jet hoods
- Dehumidification units
- Shunt group valve sets
- Expansion tanks
- Heating coils
- Electric duct heaters

