DESCRIPTION OF THE PROJECT
On the 17th of October, 2012, an IMR/offshore vessel was launched from the dock hall at the shipyard Ulstein Verft in Norway. The vessel is co-owned by Eidesvik Offshore and Subsea 7. The vessel carries the name Seven Viking. The design SX148 is delivered by Ulstein Design and Solutions AS, and the futuristic character of the bow ensures the best performance with regard to station keeping, speed and fuel economy. Highly specialized and tailor made for its field of operation, this is a vessel of the future. It has a wide range of abilities including inspection, maintenance and repair of subsea oil installations, alongside scale treatment and RFO operations.

CHALLENGES
The big demand for vessels like Seven Viking means that good indoor climate must be available all over the world, in all types of climate, at all hours, the whole year around. The vessel had to offer comfortable internal conditions in temperatures as hot as +40°C/80%RH, all the way down to -20°C. It should hold the following HVAC related notations: DYNPOS-AUTR, CLEAN DESIGN, LFL*, NAUT-AW, COMF-V(3), COMF-C(3), ICE-C, DEICE. Seven Viking would also be the first vessel with rotating enthalpy exchanger delivered from Ulstein Verft A/S.

SOLUTION
Long experience within ventilation gives Novenco the ability and supplier network to undertake a complex ventilation design, like the one needed for the Seven Viking. 4 Daikin EWWD280J-SS Chillers, each providing 25% of the cooling capacity were installed. They are all controlled by one panel.

With good knowledge about the latest in green technology, Novenco designed a ventilation system especially designed to limit energy consumption. A rotating enthalpy exchanger secures the client a top modern ventilation system, along with a contribution to the environment.
HVAC EQUIPMENT
TECHNICAL DESCRIPTION EQUIPMENT

SCOPE OF SUPPLY:

HVAC SYSTEMS:
- Accommodation HVAC-package
- Cooling systems for technical spaces
- Mechanical ventilation package
- Frequency controlled Engine Room fans Motor starter package for HVAC-systems
- Duct systems
- Chilled water system incl.