Reference Project

Nexans Aurora

Nexans Subsea Operations - Ulstein Verft, Norway

Project Overview and Details

Nexans Aurora is the next generation of DP3 cable laying vessels and is set for delivery in 2021. It is designed for harsh weather conditions in both shallow and deep sea areas and has high manoeuvrability and station keeping capabilities.

The ship is 149.9 meters long with a beam of 31 meters and has a deadweight of 17,000 tonnes. It can accommodate 90 people in single cabins.

With its 10,000 t cable capacity it will help connect offshore wind farms to the grid, support electrification of offshore petroleum installations and create interconnectors between countries.

Solution

Frese has delivered 80 Frese SIGMA and Optima Compact dynamic balancing and control valves for Nexans Aurora's low temperature fresh water cooling system.

Ulstein Verft has previously installed Frese valves on the 2019 Ship of the Year – Color Hybrid, the world's largest plug-in hybrid ferry.

The close and succesful collaboration on that project inspired the shipyard to suggest dynamic balancing valve technology to Nexans Subsea Operations for their new flagship vessel, Nexans Aurora.

In order to simplify the shipment, distribution and installation of Frese valves in major projects like this, Frese offers a tagging service to our customers, informing them exactly where each valve is to be installed and how to proceed with commissioning.

Illustration: Skipsteknisk

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