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Low fuel consumption on SOVs

Although both the 'Esvagt Froude' and the 'Esvagt Faraday' have been painted in the familiar orange-red ESVAGT colour, their design is entirely green. The goal is low fuel consumption.

The vessels are equipped with Siemens Blue Drive Plus system; an innovative and fuel-saving DC direct current system. With Siemens Blue Drive Plus system, the rotation speed of the vessel's diesel return current/power varies according to load instead of running at a constant revolution speed, which reduces fuel consumption.

"Our expectations of low fuel consumption have so far been met to the full,"

says Kristian Ole Jakobsen, Chief Operating Officer at ESVAGT.

Our environmental approach has been extended beyond the direct current system. The hull has been energy optimised to such a degree that we have installed LED lights, propulsion units with counter-rotating propellers, control of all thrusters and larger consumers with current converters, recycling of waste heat from the diesel engines for heating in the accommodation areas – and more.

The feedback we have received from the vessels tells us that these systems are working optimally.

Another expected benefit in choosing the direct current system was the reduction in noise and vibration in the vessel – expectations that have been fulfilled.

“The vessel is very comfortable and the noise and vibration levels from the vessel’s diesel engine system are significantly lower,” says Kristian Ole Jakobsen.

ESVAGT is a dedicated provider of safety and support at sea, founded on an experienced and well-trained offshore crew and unmatched rescue capabilities.

We support the offshore Oil & Gas industries with a wide range of specialized services: Standby, Emergency Response and Rescue Vessels (ERRV), Oil spill response, Firefighting, Tanker assists, Rig moves, Supply services and Interfield transfer of cargo and personnel.

In 2010, ESVAGT brought the dedicated offshore wind Service Operation Vessels (SOV) to the market. The SOVs provide accommodation for up to 40 technicians, storage for small turbine parts and a workshop, plus personnel and equipment transfer capabilities by either Walk-to-Work gangway system or Safe Transfer Boats.

ESVAGT was founded in 1981 and has a fleet of more than 40 vessels and more than 900 employees on- and offshore.

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