Argeo to conduct green survey for Stromar offshore wind farm

Argeo, an offshore service company, has signed a survey contract with Stromar, a consortium consisting of Ørsted, Renantis and BlueFloat Energy, which will begin in Q3 2023.

Stromar has awarded Argeo a contract to conduct a geophysical survey in the project development area located in the Moray Firth, off the coast of Scotland. The Stromar offshore wind farm spans an area of 256km^2 and aims to reduce greenhouse gas emissions during the wind farm's life cycle, including survey activities. To fulfil Stromar's requirements, Argeo will use its low-emission uncrewed surface vessel (USV) *Argeo Argus* to conduct the survey. The use of an uncrewed solution will result in a 95% reduction in survey vessel emissions. Stromar aims to deliver world-class floating offshore wind projects in Scotland.

"Stromar is an exciting venture in offshore wind, and I'm very pleased that the consortium chose Argeo for their first commercial survey with an uncrewed surface vessel. This shows that we are developing attractive technology and can offer cost-efficient and environmentally friendly solutions to the offshore wind market going forward", said Ruben Kornmo Janssen, vice president of sales at Argeo.

Nicholas Ritchie, Stromar's project director, said: "Ensuring Stromar leads the way in floating wind as part of the transition to renewable energy is of paramount importance. We're determined that every aspect contributes to our net zero future, even from the survey stage, to demonstrate our commitment to a truly green future."

The survey is scheduled for Q3 2023, subject to relevant permit approvals, and includes the option for a related export cable route (ECR) survey. The Stromar floating wind project will be located off the coast of Caithness, around 50km east of Wick in Scotland, and has a seabed lease agreed with Crown Estate Scotland for up to 1GW.

Argeo is known for its highly accurate digital models and digital twin solutions and has a mission to transform the ocean surveying and inspection industry by utilizing autonomous surface and underwater robotics solutions. Equipped with the most innovative sensors and advanced digital imaging technology, the AUVs significantly increase efficiency and imaging quality, in addition to contributing to significant CO_2 emissions reduction from operations for the global industry in which the company operates.

Visualization of Argeo's USV survey for an offshore wind farm. (Image courtesy: Argeo)