

# Press release

## Alfa Laval joins ESOMOOR project to advance biofouling management for floating offshore wind

**Alfa Laval has partnered in the ESOMOOR project, aimed at advancing shared mooring technologies for large-scale floating offshore wind farms. The project brings together industry and research partners to address key technical barriers to floating offshore wind deployment in deeper waters and support the development of commercially viable offshore wind solutions.**

Stockholm, Sweden, 28/6/2026

### **Addressing biofouling challenges in floating offshore wind**

For floating offshore wind farms, mooring system performance is critical, as marine growth on chains and underwater structures can impact hydrodynamic performance, increase maintenance requirements, and affect long-term operational efficiency. To help address these challenges, the ESOMOOR project, co-funded by the European Union, aims to advance shared mooring technologies

Alfa Laval is a trademark registered and owned by Alfa Laval Corporate AB. Alfa Laval reserves the right to change specifications without prior notification.

for large-scale Floating Offshore Wind Farms (FOWFs) and support their deployment in deeper waters. The project focuses on improving the Levelized Cost of Energy (LCOE), enhancing energy conversion efficiency and increasing Technology Readiness Levels (TRLs) for offshore wind solutions.

As a partner, Alfa Laval Sonihull will provide its expertise in its ultrasonic biofouling management technology to support the development and validation of next-generation anti-fouling solutions for floating offshore wind infrastructure. Building on established experience in marine growth prevention systems, Sonihull will contribute towards improving operational efficiency, reducing maintenance needs, and enabling more sustainable lifecycle performance in harsh offshore environments.

“Floating offshore wind represents a critical step in scaling renewable energy in deeper waters, but its long-term performance depends on solving complex operational challenges such as biofouling. Through ESOMOOR, we are contributing our ultrasonic technology expertise to help improve system reliability, efficiency, and sustainability across the full lifecycle of offshore assets,” says **Peter Nordström**, Chief Technology Officer, Alfa Laval Sonihull.

#### **Leveraging biofouling expertise for improving performance**

Sonihull’s contribution to the ESOMOOR project will focus on evaluating marine growth prevention systems to assess system performance and efficacy in offshore conditions. The scope also includes optimization of transducer installation and integration concepts for floating platforms and mooring chains. In addition, the project will also investigate underwater radiated noise levels and conduct a third-party environmental impact assessment.

By contributing ultrasonic biofouling prevention expertise, performance evaluation, and environmental assessment capabilities, Sonihull’s work will support the consortium’s broader objective of improving the reliability, efficiency, and commercial readiness of floating offshore wind technologies. This contribution will help strengthen the understanding of how biofouling impacts long-term hydrodynamic performance, mooring system optimization, and lifetime energy production, supporting the development of more sustainable floating offshore wind farm design and operations.

Explore Alfa Laval’s solutions for biofouling management:

<https://www.alfalaval.com/industries/marine-transportation/marine/biofouling-management/>

For more information, please visit the Alfa Laval Marine webpage:

[www.alfalaval.com/marine](http://www.alfalaval.com/marine)

**This is Alfa Laval**

The ability to make the most of what we have is more important than ever. Together with our customers, we're innovating the industries that society depends on and creating lasting positive impact. We're set on helping billions of people to get the energy, food, and clean water they need. And, at the same time, we're decarbonizing the marine fleet that's the backbone of global trade.

We pioneer technologies and solutions that free our customers to unlock the true potential of resources. As our customers' businesses grow stronger, the goal of a truly sustainable world edges closer. The company is committed to optimizing processes, creating responsible growth, and driving progress to support customers in achieving their business goals and sustainability targets. Together, we're pioneering positive impact.

Alfa Laval was founded 140 years ago, has customers in 100 countries, employs more than 23,670 people, and annual sales were SEK 69.6 billion (6.6 BEUR) in 2025. The company is listed on Nasdaq Stockholm.

[www.alfalaval.com](http://www.alfalaval.com)

**For further information, please contact:****Peter Nordström**

Chief Technology Officer, Sonihull  
Alfa Laval Ocean Division  
Phone: +46 702177749  
E-mail: [peter.nordstrom@alfalaval.com](mailto:peter.nordstrom@alfalaval.com)

**Helena Sannicolo**

Vice President Marketing  
Communications  
Alfa Laval Ocean Division  
Phone: +46 70 569 3806  
E-mail: [Helena.Sannicolo@alfalaval.com](mailto:Helena.Sannicolo@alfalaval.com)