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Alfa Laval OceanGlide fluidic air lubrication system secures the first Memorandum of Understanding with a Korean shipyard

Alfa Laval has collaborated with a Korean shipbuilding company by signing the first Memorandum of Understanding (MOU) for OceanGlide installations. This agreement shows the growing market interest in OceanGlide as a viable solution for energy efficiency and decarbonization.

Alfa Laval has signed a Memorandum of Understanding (MOU) with a reputed Korean shipyard, K Shipbuilding (KSB) for collaboration with respect to entering Alfa Laval OceanGlide Air Lubrication System in KSB's potential newbuilding projects such as MR and LR1 Tankers.

Forward-thinking solution for decarbonization

Through this business agreement, KSB seeks to leverage the benefits offered by OceanGlide to achieve its objective of improving a vessel's energy efficiency, and performance by reducing the vessel's frictional resistance while sailing by using air lubrication technology.

OceanGlide serves KSB's efficiency goals by utilizing intelligent integration of fluidics with air lubrication to enhance the vessel's propulsion power savings by up to 12%. This translates to lower fuel consumption, reduced CO₂ emissions and improved EEDI, EEXI and CII compliance.

"We are proud to work with KSB as our business partner in Korea. This agreement signifies the market's growing trust in Alfa Laval as a reliable partner. It also highlights the recognition of our solutions as being innovative and efficient," says **Rajiv Sarin**, Head of Air Lubrication, Alfa Laval.

"OceanGlide is an innovative solution that helps improve ship operation efficiency, and we expect it to align well with our goals of developing and building competitive ships," **Tae-Hyun Koh**, CTO, K Shipbuilding.

OceanGlide, using fluidic technology, creates highly streamlined airflow sections on a vessel's flat bottom. Each section has an independently regulated fluidic band that produces a controlled air layer. This feature ensures optimal efficiency, maximum coverage, and reduced compressor power. The system's high efficiency in controlling air



flow not only ensures an effective air layer with fewer compressors but also provides the added advantage of conveniently positioning them anywhere on board.

This technology contributes to energy conservation and enables adherence to environmental regulations, marking a significant step towards sustainable maritime operations.

For further details about Alfa Laval OceanGlide Air Lubrication System, please visit: www.alfalaval.com/OceanGlide

Explore Alfa Laval's sustainable solutions & technologies: [Sustainable shipping solutions and technologies | Alfa Laval](#)

For more information, please visit the Alfa Laval Marine webpage: www.alfalaval.com/marine

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Editor's notes

This is Alfa Laval

Alfa Laval is a world leader in heat transfer, centrifugal separation and fluid handling, and is active in the areas of Energy, Marine, and Food and Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers but also for people and the planet. Making the world better, every day.

Alfa Laval has 20,300 employees. Annual sales in 2022 were SEK 52.1 billion (approx. EUR 4.9 billion). The company is listed on Nasdaq Stockholm.

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