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Alfa Laval advances fuel transition with FCM Methanol for four pioneering methanol-fuelled vessels

Alfa Laval is at the forefront of the marine industry's fuel transition with its methanol solutions, knowledge and experience. The pioneering methanol-driven project for a Chinese shipowner involves installation of Alfa Laval's FCM Methanol- the low-flashpoint fuel supply system (LFSS), on board four of its vessels. This project is a landmark achievement not only for Alfa Laval but also for the shipowner, the shipyard and the engine designer.

Collaborative efforts to fuel the future of methanol

Alfa Laval has achieved another significant milestone in its methanol journey by winning an order for FCM Methanol (LFSS) for four mega container vessels being constructed by a Chinese shipyard. The new vessel series will have a two-stroke WinGD methanol engine and four-stroke Wärtsilä methanol engines. FCM Methanol will work for WinGD main engines and Wärtsilä auxiliary engines. Deliveries of the FCM Methanol will commence in 2024.

Alfa Laval's methanol experience, strong service network and after-sales support, combined with close cooperation with the shipowner and the shipyard, made the company a clear choice for this project.

"We are honoured to have been selected to deliver the methanol fuel supply systems for these pioneering methanol-fuelled vessels," says **Viktor Friberg**, Head of Marine Separation & Fuel Supply Systems, Alfa Laval. "This project exemplifies our commitment to bringing alternative fuels into the shipping industry. We see close cooperation with key stakeholders, such as shipowners, shipyards, engine designers and engineering companies, as a way forward to make meaningful progress towards decarbonization."

Proven technology and extensive experience

Alfa Laval has been at the forefront of driving the decarbonization agenda by continuously refining its technological know-how in developing new solutions for methanol transition since 2015. The company's proven expertise in fuel supply systems and comprehensive understanding of methanol as marine fuel played crucial in this project.

With mature technologies and reliable automation, the Alfa Laval FCM Methanol safely supplies methanol within the flow rate, pressure, temperature, and filtration parameters specified by the engine maker. Due to its adaptability to any engine and vessel design, it enables turnkey LFSS deliveries for easy installation.

Landmark project characterized by several firsts

The project is characterized by several firsts, demonstrating the industry's commitment to address and embrace a joint responsibility towards decarbonization. It marks the first time that a Chinese shipowner has ordered methanol-capable vessels. It is also the first time for the shipyard to build such vessels, and for WinGD to deliver engines for methanol -



fuelled ships. Furthermore, Alfa Laval will provide a customized methanol fuel supply system, adapting its FCM Methanol design to the requirements of these engines for the first time, marking it a significant milestone for the company as well.

To learn more about the Alfa Laval FCM Methanol and Alfa Laval's approach to methanol as fuel, please visit: www.alfalaval.com/methanolasfuel

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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 & 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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