

Press release

Alfa Laval launches FCM LNG fuel supply system leveraging advanced cryogenic technology

Alfa Laval announces the launch of a new fuel supply solution FCM LNG for LNG-powered vessels. The system marks the expansion of Alfa Laval's portfolio for alternative fuels, integrating cryogenic technology to deliver a holistic and highly reliable fuel supply solution for shipowners adopting LNG.

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Addressing the evolving market needs for LNG adoption

As the maritime industry navigates its decarbonization journey, LNG has solidified its role as a transitional fuel. It offers a viable path to significant emission reductions today, while the global infrastructure for alternative fuels such as methanol and ammonia is still under development. The evolving fuel landscape has created a market demand for reliable and efficient LNG solutions that

support marine customers in meeting performance targets, managing CAPEX and OPEX, and complying with regulations.

In response to the strong market trend for LNG, Alfa Laval has launched its new FCM LNG fuel supply system during Marintec 2025. The LNG fuel supply system features advanced cryogenic technology from Fives, a company recently acquired by Alfa Laval. This enables Alfa Laval to deliver a high-performance system that enables customers to adopt LNG efficiently and safely as a marine fuel.

"For years, Alfa Laval has received customer requests for a differentiated LNG fuel line solution —one that addresses operational challenges and accelerates the shift toward cleaner fuels. Now, by combining our years of expertise in fuel supply systems and LNG heat transfer with newly acquired cryogenic technology from Fives, we can deliver an advanced system that brings real value to customers. It will meet today's fuel demands and support tomorrow's emission targets," says **Peter Sahlen**, Head of Marine Separation, Fuel Supply Systems & Heat Transfer, Alfa Laval.

The first test benches will be delivered during 2026, with the system ready for marine deliveries in 2027.

Delivering reliability, flexibility, and efficiency in LNG fuel supply

Building on Alfa Laval's acquisition of CorHex in 2015 and its 2025 acquisition of Fives Cryogenics, which includes Cryomec® centrifugal and reciprocating pumps, the company has strengthened its expertise in cryogenic processes and pump technologies. By combining this knowledge with Alfa Laval's fuel line design competence, the FCM LNG system leverages these advanced technologies to enable high-pressure gas injection in marine diesel engines.

"The ongoing energy transition demands new technologies, and the addition of cryogenic capabilities further strengthens Alfa Laval's position in the LNG market," says **Vincent Higelin**, Global Sales Manager, Alfa Laval Cryogenic technologies. "We are proud to contribute over 65 years of expertise in cryogenic technology to the maritime energy transition. Integrating this deep knowledge with Alfa Laval's global marine footprint and application expertise allows us to offer an unmatched solution for LNG fuel supply."

Taking a holistic approach to LNG supply, the system offers flexibility across a wide range of capacities and pressures and is engineered to operate under extreme cryogenic conditions and high pressures. It is designed to deliver exceptional reliability, efficiency, and operational safety, ensuring optimal performance and cost-effectiveness, making it an ideal solution for shipowners navigating the transition to cleaner fuels.

A strengthened portfolio for a multi-fuel future

The introduction of the FCM LNG system underscores Alfa Laval's commitment to providing solutions across the spectrum of alternative fuels. From mature technologies for methanol and LPG to front-running developments in ammonia, Alfa Laval is equipped to support shipowners and yards regardless of their fuel choice, reinforcing its position as a key technology partner in the journey towards decarbonization.

"With decades of experience and hundreds of thousands of operating hours across fuel supply systems and other solutions for a wide range of alternative fuels, we are committed to providing technologies that support the maritime fuel transition," says **Peter**. "Our goal is to equip shipowners with flexible, innovative solutions that enable the shift to cleaner fuels today while preparing them for the energy sources of tomorrow."

Visit the FCM LNG page to know more about the system: [FCM LNG | Alfa Laval](#)

Explore our wide range of solutions for LNG as fuel: [Equipment and solutions for gas as fuel | Alfa Laval](#)



To know about Alfa Laval's approach to new fuels and decarbonization, visit: [Clean energy for sustainable marine solutions | Alfa Laval](#)

Explore Alfa Laval's full range of marine solutions and technologies at: [Marine | Alfa Laval](#)

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 22,300 people, and annual sales were SEK 66.9 billion (5.8 BEUR) in 2024. The company is listed on Nasdaq Stockholm.

www.alfalaval.com

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

Head of Marine Separation, Fuel Supply
Systems & Heat Transfer, BU WWF
Alfa Laval Marine Division
Phone: +46 70 353 54 23
E-mail: peter.sahlen@alfalaval.com

Helena Sannicolo

Vice President Marketing
Communications
Alfa Laval Marine Division
Phone: +46 70 569 3806
E-mail: helena.sannicolo@alfalaval.com