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## Most chosen for LNG newbuilds, the Alfa Laval GCU exceeds 100 units sold

**The Alfa Laval Gas Combustion Unit (GCU) has been chosen for boil-off gas management on more than half of the LNG carriers built during 2018. This brings the total number of GCUs sold to well over 100 units, with new developments promising still greater market potential.**

Since buying the fledgling technology from Snecma in 2013, Alfa Laval has proven the GCU concept and built up a strong position for the product in the LNG market. This simple and reliable incineration unit for boil-off gas, with few components and a minimal number of interfaces and moving parts, now has a long track record among the largest LNG ship owners. In 2018, the GCU has been the choice for the majority of LNG newbuilds.

“The Alfa Laval GCU has proven a very good solution for our needs,” says Miltos Zisis, Innovation and Technology Manager at GasLog. GasLog, which manages one of the world’s largest LNG fleets, purchased the 100<sup>th</sup> GCU from Alfa Laval. “Between its compactness and simplicity, the GCU is easily integrated into our LNG carriers and provides the high reliability we demand.”

### **Continued GCU development**

Today the GCU is central to the Alfa Laval portfolio of systems for LNG, which also includes the renowned Alfa Laval Smit LNG inert gas generators. Alfa Laval has continued to develop the GCU technology, both in partnership with customers and at the Alfa Laval Test & Training Centre in Aalborg, Denmark. Since the expansion of the Test & Training Centre for gas applications in 2017, a full-size GCU has been the focal point of the 1350 m<sup>2</sup> testing space.

“Numerous GCU advances have been made at the Alfa Laval Test & Training Centre, such as a full free-flow application that enables full-capacity burning at low inlet pressure without the need for gas compressors,” says Pieter Borg, Manager Exhaust & Combustion Systems at Alfa Laval. “We have also implemented Alfa Laval Touch Control, which is the same control

system used on other Alfa Laval products, such as Aalborg boilers and Smit inert gas generators.”

### **A smaller GCU to arrive soon**

Yet another GCU development will appear in 2019, when a smaller version is expected for commercial release. Whereas the current GCU is most suited to large vessels, the new unit will be optimized for 100–1000 kg/h of boil-off gas.

“The smaller GCU will be an excellent fit for small LNG carriers, floating storage and regasification units, LNG bunker vessels and vessels using LNG as fuel, which also need an option for burning boil-off gas,” says Borg.

To learn more about the Alfa Laval GCU and Alfa Laval’s approach to working with LNG, visit [www.alfalaval.com/marine](http://www.alfalaval.com/marine)

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### **Editor’s notes**

#### About Alfa Laval

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

The company’s equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate

and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, oil and gas exploration, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications.

Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena. Alfa Laval is listed on Nasdaq OMX, and, in 2017, posted annual sales of about SEK 35.3 billion (approx. 3.6 billion Euros). The company has about 16 400 employees.

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