Alfa Laval Digital Services for Gas Combustion Units

Smart connectivity to protect daily operation and safety

Today's marine market is an uncertain one, in which shipowners and ship operators face new technical challenges and changing financial conditions. In this reality, vessels are more dependent than ever on having safe and reliable equipment. For LNG carriers, continued operation of their Gas Combustion Unit (GCU) is paramount. GCUs play a vital safety function on board – failure is simply not an option.

For these reasons, we offer innovative Alfa Laval Digital Services for GCUs, which provide remote support to the crew on board and directly to your head office. Built on Alfa Laval's century of marine technological expertise, our comprehensive service package ensures the best performance from your GCU system. The solution allows for enhanced remote assistance and future integration of new services.

What we do

With a small amount of equipment and access to the vessel's satellite connection, we make current GCU status, operating data and settings available online through the secure Alfa Laval Internet of Things portal. This portal can be accessed by the vessel's crew, the relevant onshore organization and Alfa Laval service specialists.

Our web-based services enable your vessel's crew and key technical advisors – in collaboration with Alfa Laval's 24/7 Service Hotline – to rapidly identify and rectify a problem, which saves time and potential cost. They ensure that you know your GCU's readiness before operation.

Gas flow measurement

3342 kg/h

Exhaust gas temperature

326°C

Offer overview

Silver

| Data-driven support 24/7 (extendable after warranty) |
| Online remote monitoring |

Get assistance

For GCU 2.0 systems, Alfa Laval Digital Services provide standard viewing access to the ALIoT portal, as well as data-driven support 24/7 via the Alfa Laval Service Hotline during the warranty period (extendable by subscription). The package can potentially save up to 20% in service visit costs.

Benefits

- Remote support enhanced by data
  – Access GCU expertise immediately, 24/7, with data as support for troubleshooting
  – Reduce the need for service visits
  – Reduce time and effort needed from technical crew support on shore

- Online remote monitoring
  – Automate collection analysis of key data needed to evaluate GCU system performance such as exhaust temperature, BOG flow measurement, flame failure
  – Remove the potential for human error in logging and analysing key GCU system parameters
  – Secure your GCU's readiness to operate

Scope of service

- Installation of equipment for data logging and to enable remote monitoring

- Data-driven support 24/7 via the Alfa Laval Service Hotline during the warranty period, available on a subscription basis after the warranty period for EUR 200 per month (binding period 30 months)

- Online remote monitoring of GCU performance data (remains free after the warranty period)

Scope of supply

- Industrial Field Gateway PC with related cabling installed inside the control cabinet (pre-installed on GCU systems delivered from late 2020 onwards)

- Setup of access to the Alfa Laval Internet of Things (ALIoT) platform, which will allow remote monitoring of the GCU system

About the Alfa Laval Internet of Things (ALIoT)

The Alfa Laval Internet of Things is the standard cloud platform used for connectivity services like Alfa Laval Digital Services. It offers:

- Simple and intuitive overview of GCU status and performance

- State-of-the-art security based on Microsoft Azure, ensuring data encryption with no accessibility to third parties

Contact us for more information

If you wish to know more about Alfa Laval Digital Services, please contact us at: Theconnectedboiler@alfalaval.com

Conformity
The mark of conformity confirms that the equipment complies with European Economics Area (EEA directives).