Høglund’s reliable technologies are designed to create vessels fit for the future.

Høglund gas solutions has been set up as a new division – bringing Høglund’s engineering expertise and unrivalled customer support to the FGSS sector.

Høglund’s fuel gas supply systems are designed with the same precision and attention to detail as its trusted automation systems, bringing a new level of quality and reliability to the market.

We understand, that to meet operational requirements, how essential it is to ensure safe and reliable fuel gas supply systems. Høglund’s gas solutions offer clients the security of decades of experience in automation, integrating all the systems onboard with specifically chosen, approved hardware that maximises their operational lifespan.

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Høglund’s FGSS is a fuel gas supply system designed to deliver gas to any consumers onboard gas-driven vessels.

A system can consist of one or more tanks and deliver to multiple gas consumers at different supply pressures, and the gas flow can be regulated independently to each consumer. Each FGSS comes with full IGF Code compliance and marine class approval.

Høglund’s FGSS delivers the full range of gas delivery pressures required by any marine gas engine currently in the market – from small generators and boilers – to large main engines. The LNG tanks are double walled, vacuum insulated or single shelled foam insulated IMO type-C tanks. Høglund’s FGSS can be fitted onto an open deck or integrated into the ship. It can be placed in gas tight enclosures or positioned in open, naturally ventilated areas.

To be reliable and cost efficient, Høglund focuses on standardised and proven solutions – but will be open to customise the FGSS to suit different types of vessels or specific customer requirements.

**Flexible and versatile.**
- Solutions for all engine makes and pressure types
- Automated boil-off gas management
- Gas processing equipment integrated into tank connection space or separately
- Natural ventilated (open) tank connection space or gastight enclosures
- Easy installation
- Fully integrated with the ship’s automation

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**Fuel gas supply systems FGSS**

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**Tank Connection Space (TCS)**

The Høglund TCS is designed according to the given project requirements. It contains all piping, valves and equipment (e.g. pumps) to source LNG from the storage tank and manage the tank pressure.

**Gas Processing Unit (GPU)**

The Gas Processing Unit includes all equipment to process the LNG sourced from the tank, evaporate it and supply the gas to each consumer. The GPU equipment can be delivered on a skid, dependent upon the specific system architecture, but can also be integrated into the TCS.

**LNG Storage Tanks**

All tanks are either double or single walled IMO Type-C tanks. They can be placed on deck or inside the hull and designed to be durable, low maintenance and weight optimised.

**Bunkering Manifold (BM)**

Høglund Bunkering manifolds are designed to be compliant with ISO 20519, industry standards and recommended practices. This ensures they are compatible with all types of bunkering operations.

**Heating Media System (HMS)**

The HMS is a water-glycol system which provides thermal energy to evaporate the liquid gas. The system contains components such as (redundant) circulation pumps and heat exchangers and will be integrated into the engine’s cooling circuit for high efficiency.

**Automation**

FGSS is integrated with other automation systems throughout the ship for maximum control, safety, reliability and efficiency.

**Redundancy**

Various options are available for redundant systems, increasing operability and reducing downtime.