



## Cargo handling systems CHS

Høglund's cargo handling system incorporates the latest state of technology and fits the needs of LNG plants for natural gas transportation and bunkering.

Every system is tailor made for each vessel to accommodate the ideal tank type and arrangement. It builds up a reliable basis for all the required vessel operations, while incorporating major functions such as boil-off gas management, cargo operations like ship-to-ship bunkering and vapour return management as well as the fuel gas supply to on-board consumers.

### Benefits

- Enhanced operational effectiveness
- Accuracy ensured through your own custody transfer system
- Optimise crew efficiency and effectiveness



## Høglund's cargo handling system seamlessly integrates with other onboard systems

### Key characteristics of Høglund's cargo handling system (CHS)

- Tailor-made system designed for each project incorporating standard components and modules.
- System performance logging function with playback and export function. This allows all operations to be monitored and the data analysed. Post operation data analysis can be carried out either by the onboard crew or a central vessel management office.
- Høglund provides an extensive engineering and shipyard support package for the ship owner. This ensures that each system is supplied with a comprehensive range of quality assurance support.
- A custody transfer system (CTS) is part of the cargo handling system and fully integrated, ensures cargo operations are carried out to the highest accuracy.
- The fuel gas supply system for utilisation of LNG and boil-off is an integrated part of the cargo handling system.
- Høglund's cargo handling system can be applied to small scale LNG carriers, LNG bunker vessels and LNG barges.

### A fully integrated system

Høglund's cargo handling system can be seamlessly integrated with a vessel's tank design and automation.

We provide an advanced engineering package that incorporates all gas related equipment on your vessel. Our scope ranges from the full tank and gas plant specification, to the supply of pre-manufactured hardware modules up to the mechanical and digital integration on board.

Høglund will integrate all the gas related elements on board – an innovation which simplifies the overall operation of the cargo handling system by reducing interfaces and complex controls. In turn, this maximises reliability and safety.

Høglund also provide a comprehensive handover package incorporating operation manuals, procedures and crew training. This ensures the vessel performs to the optimum specified levels.

Høglund provides all gas equipment and supports the shipyard in the construction phase, collaborating closely and supervising the installation. This means that whatever a shipyard's experience with gas, they can be assured that a high quality solution will be delivered on time and to the appropriate specification.

### Høglund's cargo control is optimised for:

- LNG carriers
- LNG bunkering vessels
- LNG barges and floating units

**høglund**   
GAS SOLUTIONS

Høglund Gas Solutions  
Åshaugveien 39, N-3170 Tønsberg, Norway  
+47 334 14150 | sales@hoglund.no | www.hoglund.no