

## GTT and HD Hyundai Heavy Industries drive innovation in LNG Carrier design with new joint projects

**Paris, 5 June 2025** - GTT announces the signing of two Joint Development Projects (JDPs) with HD Hyundai Heavy Industries (HHI), aimed at advancing the design of LNG carriers. This new collaboration is paving the way towards an optimised membrane-tank integration to enhance onboard ergonomics and vessels' operational performance.

These projects reflect a shared commitment to developing practical, forward-looking solutions that meet the evolving technical, economic, and environmental requirements of the maritime industry.

The two JDPs will focus on the following areas:

- **Convergent trapezoidal cargo tank No. 1<sup>1</sup>**

A forward tank concept of convergent trapezoidal form for LNG carriers, fitted with GTT's Mark III membrane system. This pioneering geometry will allow a superior adjustment to the hull compared with conventional constant section tanks, thus optimising cargo capacity.

- **Flush deck liquid dome**

An innovative flush deck liquid dome design, located at the interface between the membrane tank and the cryogenic piping. This concept improves trunk-deck ergonomics, simplifies on-board piping, and facilitates maintenance.

**Philippe Berterottière, Chairman and CEO of GTT, declared:** *"These two new joint development projects undertaken with HHI testify to our shared ambition to design pragmatic innovations aligned with the environmental, economic and technical requirements of liquefied natural gas maritime transport. We have a duty to drive these technologies forward and maintain a steady momentum of innovation."*

**Ryu Hong-Ryeul, Head of the Technology Division at HD Hyundai Heavy Industries, said:** *"We are pleased to be working with GTT on these meaningful projects. Our combined expertise allows us to innovate and refine vessels for optimal energy efficiency and enhance ergonomics, streamlining the supply chain just as demand for LNG carriers continues to grow."*

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<sup>1</sup> Cargo Tank No.1 refers to the first (forward) liquefied natural gas (LNG) storage tank on an LNG carrier.

## About GTT

GTT is a technology and engineering group with expertise in the design and development of cryogenic membrane containment systems for use in the transport and storage of liquefied gases. Over the past 60 years, the GTT Group has designed and developed, to the highest standards of excellence, some of the most innovative technologies used in LNG carriers, floating terminals, onshore storage tanks and multi-gas carriers. As part of its commitment to building a sustainable world, GTT develops new solutions designed to support ship-owners and energy providers in their journey towards a decarbonised future. As such, the Group offers systems designed to enable commercial vessels to use LNG as fuel, develops cutting-edge digital solutions to enhance vessels' economic and environmental performance, and actively pursues innovation in the field of low-carbon solutions.

GTT is listed on Euronext Paris, Compartment A (ISIN FR0011726835 Euronext Paris: GTT) and is notably included in the CAC Next 20, SBF 120, Stoxx Europe 600 and MSCI Small Cap indices.

For more information, visit [www.gtt.fr](http://www.gtt.fr)

**Media contact:** [press@gtt.fr](mailto:press@gtt.fr) / +33 (0)1 30 23 20 43

**Investor relations contact:** [information-financiere@gtt.fr](mailto:information-financiere@gtt.fr) / + 33 (0)1 30 23 20 87

## About HD Hyundai Heavy Industries

HD Hyundai Heavy Industries (HHI) is a world-leading shipbuilding and heavy industries company with core expertise in the design, engineering, and construction of a broad range of marine and offshore structures. With over 50 years of experience and a strong technological foundation, HHI builds all types of commercial vessels, including LNG/LPG carriers, VLCCs, containerships, and naval ships, as well as offshore platforms and energy systems.

Since its foundation in 1972, HHI has grown into a global leader in shipbuilding, delivering thousands of vessels to clients worldwide, while continually pushing the boundaries of innovation, safety, and performance in the maritime industry. The company operates world-class production facilities in Ulsan, South Korea — the single largest shipyard in the world.

Committed to a sustainable maritime future, HHI is actively developing eco-friendly technologies such as LNG and ammonia-fuelled vessels, next-generation propulsion systems, and digital smart ship solutions. Through continuous investment in R&D and strategic collaboration, HHI supports the transition toward decarbonization and smarter, safer ship operations.

HHI is a key affiliate of HD Hyundai's shipbuilding and offshore engineering business and is listed on the Korea Exchange (KRX: 329180). The company plays a pivotal role in shaping the future of global shipbuilding and marine engineering.