

GTT is selected by Samsung Heavy Industries to design the fuel tanks for six new LNG-fueled mid-size container vessels

Paris – October 21st, 2021. GTT has been chosen by its partner the Korean shipyard Samsung Heavy Industries (SHI) to design the cryogenic fuel tanks of six liquefied natural gas (LNG) fueled container vessels.

Used as a marine fuel, LNG is today the best industrial tool to preserve air quality, a major public health issue. It reduces sulfur oxide emissions by 99%, fine particles by 91% and nitrous oxide emissions by 92%. It also reduces ship emissions by up to 20% of CO₂ compared to a conventional ship.

Each LNG fuel tank will be fitted with the [Mark III](#) membrane containment technology developed by GTT, demonstrating that GTT technology is as attractive for mid-size container vessels as for very large ones. The vessels deliveries are scheduled to occur between the third quarter of 2023 and the fourth quarter of 2024.

In addition to the engineering services and technical assistance at the shipyard, GTT will assist the operator through every step of its first LNG-fueled projects: commissioning of the LNG tank, first LNG bunkering operations, as well as further specific LNG operations and maintenance of the vessels. Moreover, GTT will provide LNG training for the crews, supported by its proprietary G-Sim® training simulator, which replicates the future LNG operations of the vessels. GTT will also offer its HEARS® emergency response service with 24/7 technical assistance.

In addition, GTT will fit these six vessels with its “GTT Digital” platform, a “smart shipping” solution to monitor and optimize the operational performance of the vessels and further reduce their energy consumption and environmental footprint.

Philippe Berterottière, Chairman and CEO of GTT, declared: *"This new order confirms the performance and safety of GTT solutions adapted to the use of LNG as a marine fuel, both for mid-size and large container vessels, thus contributing to the decarbonization of ships. The GTT teams are proud to contribute, alongside its partners, to the energy transition of maritime transport."*



Press Release

About GTT

GTT is a technological expert in containment systems with cryogenic membranes used to transport and store liquefied gases. For over 50 years, GTT has been designing and providing cutting-edge technologies for a better energy performance, which combine operational efficiency and safety, to equip LNG carriers, floating terminals, land storage, and multi-gas carriers. GTT also develops systems dedicated to the use of LNG as fuel, as well as a full range of services, including digital services in the field of Smart Shipping. The Group is also active in hydrogen through its subsidiary Elogen, which designs and assembles electrolyzers notably for the production of green hydrogen.

GTT is listed on Euronext Paris, Compartment A (ISIN FR0011726835 Euronext Paris: GTT) and is notably included in SBF 120 and MSCI Small Cap indices.

For more information, visit www.gtt.fr.

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