

GTT entrusted by HD Hyundai Heavy Industries for the tank design of five very large LNG-fuelled container vessels on behalf of the ship-owner Yang-Ming

Paris – 10 October 2023. GTT announces that it has received an order from its partner the shipyard HD Hyundai Heavy Industries to design the cryogenic fuel tanks of five very large container vessels fuelled with Liquefied Natural Gas (LNG) on behalf of the ship-owner Yang-Ming.

This is the first time that a Chinese ship-owner has opted for LNG propulsion technology for its container ships. This decision highlights the development and prospects of this fuel in Greater China, in line with the decarbonisation of maritime transport.

Used as a marine fuel, LNG is today the best currently available alternative to improve air quality, a major public health issue. It reduces sulphur oxide emissions by 99%, fine particles by 91% and nitrous oxide emissions by 92%. It also reduces CO₂ emissions by up to 25% compared to a conventionally fuelled ship.

These five container vessels of 15,500 TEU each will be equipped with one single LNG fuel tank, with a capacity of 12,700 m³. The tanks will be fitted with the [Mark III Flex](#) membrane containment technology, developed by GTT, offering a low and guaranteed Boil-Off Rate (BOR) for improved vessel operations.

The delivery of these vessels is scheduled between the second quarter of 2026 and the first quarter of 2027.

About GTT

GTT is a technological expert in containment systems with cryogenic membranes used to transport and store liquefied gases. For 60 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, Stoxx Europe 600 and MSCI Small Cap indices.

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