

**GTT is selected by Seaspán, SHI and ZIM
to design the fuel tanks for five very large LNG-fuelled container vessels;
the tanks featuring a unique compatibility with ammonia as future fuel**

Paris – July 19th, 2021. GTT has received, at the end of June, an order from its partner, the Korean shipyard Samsung Heavy Industries (SHI) for the fuel tank design of five very large LNG-fuelled container vessels, able to carry 15,000 containers each, on behalf of the Asian ship-owner Seaspán Corporation (“Seaspán”), the world’s largest independent owner and operator of container ships, a wholly owned subsidiary of Atlas Corp and the Israeli charterer ZIM.

The fuel tank of each vessel will offer a capacity of 12,000 m³ and will be fitted with the [Mark III](#) membrane containment system. These tanks will include unique features to facilitate a potential conversion of these vessels to ammonia.

The Mark III membrane technology tank has been adapted for compatibility with ammonia, offering both Seaspán and ZIM, greater operational flexibility in case of changes in environmental regulations.

In addition to the engineering services and on-site technical assistance, GTT will assist Seaspán through every step of their first LNG-fuelled project: 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. Seaspán will also benefit for the availability of the HEARS[®] emergency response service with 24/7 technical assistance.

The vessels will also be fitted with GTT digital platform for monitoring and optimising their operational performance and their environmental footprint.

Vessels deliveries are scheduled to occur between the third quarter of 2023 and the first quarter of 2024.

Philippe Berterottière, Chairman and CEO of GTT, declared: *“This first collaboration on LNG fuel business with our long-time partner Samsung Heavy Industries, for the ship-owner Seaspán and the charterer ZIM, is a major milestone for GTT. We are particularly proud that leading shipbuilding and shipping companies recognise and choose GTT’s innovative solutions. The ammonia compatibility of the ordered vessels offers flexibility and demonstrates GTT’s continued commitment to protect ship-owners investments in a context where they have to constantly adapt to evolving environmental regulations.”*

Henry (Ho-hyun) Jeong, Executive Vice President & Chief Technical Officer of SHI, said: *"After the construction of the first FLNG¹ and the first large capacity ethane tanker, SHI, with the support of GTT, is once again positioning itself as a pioneer in the development of innovative solutions. This order signifies another step towards naval solutions to reduce greenhouse gas emissions."*

Torsten Pedersen, Chief Operating Officer of Seaspans, said: *"Seaspans prides itself on being a creative solution provider, and we work very closely with our customers to support their strategies and objectives. In this case, we are excited and proud to support ZIM's ambitions to operate highly efficient vessels with a very low environmental impact. By working with ZIM, GTT, SHI and DNV on "Ammonia Ready" features, we are taking a long-term view toward futureproofing these vessels."*

David Arbel, Executive Vice President & Chief Operating Officer of ZIM, stated: *"ZIM as charterer is striving for zero environmental impact in our operations, with special focus on alternative non-polluting fuel use. "Green" ammonia is a potential marine fuel as the shipping industry moves to a zero-carbon future. ZIM feels very proud to be a part of this technical challenge shifting from fossil fuels to renewables."*

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.

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¹ Floating Liquefied Natural Gas unit