

GTT receives four Approvals in Principle from ClassNK on its latest development projects in alternative fuels

Paris, Tokyo – March 7th, 2023. At a ceremony held during its seminar in Tokyo, GTT has been granted four Approvals in Principle (AiP^[1]) from ClassNK, the leading classification society in Japan, on its latest development projects in alternative fuels:

- The first one is for a concept of a 12,500 m³ LNG dual-fuel Very Large Crude Carrier (VLCC), fitted with GTT's Mark III Flex system;
- The second is for a concept of LNG fuel tanks with NH₃-ready notation that includes material compatibility with NH₃, risk assessment and boil-off gas management;
- The third is for a concept of an 8,000 CEU^[2] Pure Car and Truck Carrier (PCTC) LNG dual-fuel with NH₃-ready notation;
- And the last, for the Recycool™ system applied to LNG-fuelled vessels which enables the reliquefaction of evaporated LNG thereby helping reduce greenhouse gas emissions and improve economic efficiency.

Philippe Berterottière, Chairman and CEO of GTT, declared: *"We are very pleased to have received these Approvals in Principle in person, at Tokyo. These certifications confirm the relevance of the research and innovation work carried out by GTT engineers and technicians. We thank ClassNK for their trust in our technologies on alternative fuels."*

Masaki Matsunaga, Corporate Officer & Director of Plan Approval and Technical Solution Division, ClassNK, said: *"It is a great honour to welcome GTT's team back to Japan and hand over four AiPs for their innovative and inspiring concepts pursuing low and zero carbon shipping upon our rigorous verification process, in line with the appropriate standards for each solution. We congratulate GTT on achieving these milestones and look forward to continuing our partnership with them in implementing sustainable energy initiatives."*

^[1] An Approval in Principle (AiP) is an independent assessment of a concept within an agreed framework, confirming that the design is feasible, and no significant obstacles exist to prevent the concept from being realised.

^[2] Car Equivalent Unit.



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, Stoxx Europe 600 and MSCI Small Cap indices.

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About ClassNK

Established in 1899, ClassNK is a classification society dedicated to safety and environmental protection through third-party certification. ClassNK has conducted diverse technical services including surveys and classifications of ships and marine structures based on its own rules, international conventions on behalf of more than 100 flag states, management system certifications in line with ISO and other industry standards. ClassNK has committed to provide the industry with its full support to pave the way for digitalization and decarbonization challenges through the expanding certification service and R&D with industry partners.

For more information, visit <https://www.classnk.com>

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