

GTT continues to innovate in Smart Shipping with the launch of a cutting-edge digital solution for LNG membrane tank maintenance

Paris – Avril 6th, 2021. GTT has obtained Approval in Principle (AiP) from Bureau Veritas, a world leader in testing, inspection and certification. The Approval is related to the use of a digital solution for sloshing activity assessment in the Framework of Class Survey in order to optimise the LNG membrane tank maintenance frequency.

This digital solution is based on GTT's "Sloshing Virtual Sensor" technology, using the tank digital twin¹, also designed by GTT, and the real-time operational data of the floating units (FSRU², FLNG³ and LNGC⁴) to monitor the evolution of critical parameters with regards to the tank integrity.

Combined with an appropriate risk analysis, the solution can support Alternative Survey Plans aiming at optimising the tank maintenance while complying with strict safety standards. This will translate into increased operational flexibility and substantial cost saving for the ship-owners.

Philippe Berterottière, Chairman and CEO of GTT, said: *"Artificial intelligence combined with the expertise of GTT's teams has made it possible to develop a unique digital solution to optimise the frequency of tank maintenance, while guaranteeing the highest safety standard. With this new cutting-edge digital solution, GTT is putting its innovation and technological know-how at the service of ship-owners, in order to help them adapt to an increasingly demanding commercial environment."*

Matthieu de Tugny, Executive Vice President Marine & Offshore at Bureau Veritas, added: *"Digitalization combined with artificial intelligence is a major transformation for the shipping industry bringing new challenges and opportunities. I am proud Bureau Veritas helped GTT to pioneer this digital solution for sloshing activity assessment in the framework of class survey (using sloshing model tests, real-time operational data and machine learning) with the highest safety standards. This demonstrates not only our technical expertise in the fields of sloshing for gas carriers but also our strong competencies in digitalization and artificial intelligence. Our role remains more than ever to help the industry understand - and address - both risk and opportunity as we look into future technologies."*

¹ Digital representation of an object or system

² Floating Storage and Regasification Units

³ Floating Liquefied Natural Gas

⁴ Liquefied Natural Gas Carrier



Press Release

About GTT

GTT (Gaztransport & Technigaz) is a technology and engineering company expert in containment systems with cryogenic membranes used to transport and store liquefied gas, in particular LNG (Liquefied Natural Gas). For over 50 years, GTT has been maintaining reliable relationships with all stakeholders of the gas industry (shipyards, ship-owners, gas companies, terminal operators, classification societies). The company designs and provides technologies which combine operational efficiency and safety, to equip LNG carriers, floating terminals, and multi-gas carriers. GTT also develops solutions dedicated to land storage and to the use of LNG as fuel for the vessel propulsion, as well as a full range of services.

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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About Bureau Veritas

Bureau Veritas is a world leader in laboratory testing, inspection and certification services. Created in 1828, the Group has 75,000 employees located in more than 1,600 offices and laboratories around the globe. Bureau Veritas helps its clients improve their performance by offering services and innovative solutions in order to ensure that their assets, products, infrastructure and processes meet standards and regulations in terms of quality, health and safety, environmental protection and social responsibility.

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