



Press release

Reliance Industries Limited inaugurates the world's very first two ethane carriers to feature GTT's membrane technology

Paris – October 26th, 2016. In a ceremony held in Geoje (South Korea), Indian's largest private sector company Reliance Industries Limited (Reliance) inaugurated its very first two VLEC (Very Large Ethane Carrier), in the presence of the shipyard Samsung Heavy Industries (SHI) and other key partners of the project. These vessels – "Ethane Crystal" and "Ethane Emerald" – are the world's first ethane carriers to feature GTT's membrane technology. They are the first of a series of six vessels, ordered by Reliance in 2014, which will be fitted with GTT's membrane containment systems.

With a capacity of 87,000 m³, these two vessels are the largest VLEC ever built to date. They will be used to transport liquid ethane from the United States to India. They feature a GTT [Mark III Flex](#) membrane containment system which is the key equipment of the vessels.

"We are delighted that SHI and Reliance have placed their trust in GTT to contribute to the building of the world's largest ethane carriers", said Philippe Berterottière, GTT's CEO. "This project demonstrates just how viable GTT's systems are for transporting types of liquefied gas other than LNG¹. And it heralds the Group's arrival on a new market".

The Mark and NO GTT ranges have been designed to meet all the transport and storage requirements of gases in liquid state, including ethane, ethylene, propane, butane and propylene, all of which have different characteristics in terms of density and temperature. The flexibility and the intrinsic characteristics offered by the GTT membrane solutions allowed this technological leap and that ethane carriers can be reconverted so they can transport LNG.

GTT is resolutely continuing with its efforts to innovate and diversify in order to more effectively meet its clients' requirements in terms of reliability, security and performance, as well as opening up to new markets. Furthermore, the Group has entered into a number of new partnerships in order to bolster its capacity for innovation. One such partnership involves it helping to develop a reservoir to contain liquid argon for the LBNO-DEMO scientific particle physics consortium².

¹ LNG: Liquefied Natural Gas

² LBNO-DEMO: consortium made up of CERN (European Centre for Nuclear Research) and the Zurich ETH (Zürich Federal Polytechnic)



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About GTT

GTT (Gaztransport & Technigaz) is the designer of containment systems with cryogenic membranes used to transport and store liquefied gas, and in particular, LNG (Liquefied Natural Gas). For over 50 years, GTT has been designing and offering to its customers technologies which allow them to optimise storage space and reduce the construction and operating costs of ships or tanks equipped with these systems. The liquefied gas market includes several types of vessels: LNG carriers, FSRUs (Floating Storage Regasification Units), FLNGs (Floating Liquefied Natural Gas vessels) and multi-gas carriers (in particular for ethane and LPG). The company also provides solutions dedicated to onshore storage and to the use of LNG as fuel for vessel propulsion (and associated bunkering), as well as a broad range of high added value services for all stakeholders throughout the liquefied gas chain. For more information, visit www.gtt.fr

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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