

Delivery of the first two very large onshore LNG tanks fitted with GST[®] technology in Tianjin, China

Paris-Tianjin – January 12th, 2023. As part of the BGG¹ Tianjin Nangang² LNG terminal, China Huanqiu Contracting & Engineering Co. Ltd (HQCEC) has completed the construction of two Liquefied Natural Gas (LNG) onshore storage tanks, each with a capacity of 220,000 m³. They are the world's largest onshore LNG storage tanks incorporating the GST[®] membrane containment technology.

These very large onshore LNG tanks are part of the agreement signed in November 2019 between GTT and the Chinese state-owned company Beijing Enterprises Group (BEG), relating to the construction of eight onshore tanks³ using GST[®] technology, at the BGG Tianjin Nangang LNG terminal.

The construction schedule remained on track, despite the constraints imposed by the COVID-19 pandemic. The two onshore tanks are now entering the commissioning phase and will be operational in the first half of 2023.

The GST[®] technology developed by GTT offers many advantages compared to a traditional onshore LNG tank: safer storage management through integrated monitoring, greater storage capacity for the same footprint⁴ and greater respect for the environment⁵.

BGG, HQCEC and GTT organized a delivery ceremony in the presence of Mr. Laurent Bili, Ambassador of France in China, Mr. Jean-Marc Fenet, Minister Counselor, representatives of the governments of Beijing & Tianjin, Mrs. Yalan Li, Chairwoman of BGG, Mr. Shaoguang Song, Chairman of HQCEC, and Mr. Adnan Ezzarhouni, General Manager of GTT China.

Philippe Berterottière, Chairman and CEO of the GTT Group, stated: *"The construction of these first two onshore tanks marks an important milestone for BGG's LNG terminal in Tianjin. These tanks are the first of eight planned for the site and are already the largest onshore tanks in the world equipped with our GST[®] technology. We thank BGG and the Chinese government for their trust and wish HQCEC every success of this new terminal."*

¹ Beijing Gas Group (a subsidiary of BEG).

² This terminal is a national project providing an emergency LNG reserve in China.

³ The project includes four LNG tanks in Phase I, four additional tanks in Phase II and two additional storage facilities in Phase III. Of these ten tanks, eight will incorporate the GST[®] technology developed by GTT.

⁴ At an equivalent size, the GST[®] technology allows the storage of 10 to 25% additional LNG.

⁵ A global environmental impact reduced by approximately -23% compared to traditional onshore LNG tank (9%Nickel steel).

Mr. Laurent Bili, Ambassador of France in China, said at this occasion: *“These tanks are an industrial success story, a very concrete example of a fruitful Franco-Chinese partnership, a technological innovation and part of the response to the challenges of climate change”*

Mrs. Yalan Li, Chairwoman of BGG and President of IGU, declared: *“This milestone is the reward of five years of assessment, preparation, engineering and actual construction. The City of Beijing and Beijing Entreprises Group are proud to have evolved this emerging technology into a promising solution for many projects around the world. Thanks to this world first, these containment membrane tanks are on their way to becoming the state-of-the-art in LNG storage. We have been impressed by the dedication and passion of GTT and HQCEC to make this world first a success, and we thank the French and Chinese authorities for supporting such an important technology partnership between our two countries.”*

Mr. Shaoguang Song, Chairman of HQCEC, declared: *“We are proud to have successfully completed these two world largest onshore membrane tanks with the strong support of GTT, thanks to the precious opportunity provided by BGG. With the advantages of higher efficiency and lower carbon footprint, membrane system has been proved to be a good choice for upcoming LNG projects, both onshore and offshore. Committed to continuous technology innovation and process optimization, HQCEC will continue to promote membrane technology to domestic and international markets and bring value to our clients.”*

To view the inaugural video, please click [here](#)

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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