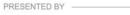
This abstract will be presented during LNG2023 conference on 10-13 July in Vancouver, Canada among many other innovative projects, ideas and outlooks. LNG2023 will provide a unique platform for the global LNG industry and key stakeholders to discuss, debate, and showcase the latest industry developments and opportunities.





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THE WORLD'S LARGEST LNG TYPE C FUEL TANK AND FUEL GAS SUPPLY SYSTEM (FGSS) FOR A 14,000TEU CONTAINER SHIP: JOURNEY FROM DESIGN TO DELIVERY

In this paper, a bi-lobe Type C LNG fuel tank with a capacity of 12,300 cubic meters for a 14,000 TEU dual-fuel container ship was designed, which is by far the largest Type C marine fuel tank in the world. To save space, compact design concept was applied to the tank, which met with the functional requirements of LNG fuel storage under the ship's heeling and trimming conditions by introducing gas equalizing pipelines. To minimize the construction period, a skid-mounted design was applied to the FGSS. Skid-mounted design, and factory-built assemblies that incorporate all necessary process equipment in several units, are preferred solutions, meaning the on-board environment is no longer a delimiting construction barrier. The skid-mounted construction is the core of this concept. Every component is welded, screwed, or bolted in place at the factory, tested and evaluated within this controlled setting, approved by the classification society, and then packed for transportation. The products were delivered in 2021, and the sea trial took only 8 days. The container ship has been delivered and is being well operated.

To view the full conference agenda, visit https://www.lng2023.org/lng-programme-overview