

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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WHAT DOES IT TAKE TO DESIGN AND BUILD AN LNG-FUELLED VESSEL ?

LNG-as-fuel ship design, construction and operations have become mainstream, the fleet is growing with a large percentage of ships on order to use LNG as fuel. However, this does not come without challenges, continuing efforts need to be applied to ensure ships are designed and constructed in a proper way, and to ensure smooth delivery and operations.

This Paper is proposed by BUREAU VERITAS and will review from a regulatory body perspective, involved in a wide variety of LNG-fueled ship types, the challenges associated with design and construction of this type of vessel and its main equipment.

The topics covered will range from design review in the various engineering disciplines such as Hull, Safety, Fuel containment System, Machinery; to Identification of key drawings such as Hazardous Area plan, Ventilation, Ex-equipment; to Follow-through of Flag exemptions and New equipment Certification. The gas fuel supply system is often applied on ships that are in essence non-hazardous, this implies a specific mindset. Finally, with regards the human element and training of people, we will cover the requirements for specific training for staff involved in these projects.

All this to ensure smooth construction, delivery and operation of a safe and reliable new LNG fuel ship.

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