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.





HOSTED BY









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SECURITY, SUITABILITY, AND SUSTAINABILITY: WHAT ARE THE CHALLENGES TO SHIPPING'S TRANSITION AWAY FROM OIL-BASED FUELS?

How do the competing alternative fuel options for shipping compare given environmental, commercial and technological challenges?

Shipping's decarbonisation is faltering due to the inability of investors and regulators alike to decide on a clear fuel pathway. With other sectors decarbonizing at a faster rate, shipping risks being accountable for far more than the 3% of global greenhouse gas emissions it currently produces. Our presentation will assess the suitability of the competing alternative marine fuels (methanol, ammonia and LNG) by viewing them through three distinct lenses: environmental benefits, commercial realities, and technological barriers.

The case for methanol and ammonia is strewn with complex health and logistical challenges, and the runway for their implementation is long and expensive. With low-carbon electricity provided by local hydro resources, and close proximity to critical shipping routes, our presentation will make the case for LNG bunkering in Vancouver. We will demonstrate how the substitution of fuel oil with LNG would remove thousands of tonnes of pollutants from the local airshed and propel the wider industry down a feasible low carbon pathway.

Our presentation will demonstrate that transitioning to an LNG-fuelled fleet, aided by supportive regulation and technological developments enabling hybrid solutions, is the most sustainable option for maritime decarbonisation, and how Vancouver can become the global leader in low-carbon LNG bunkering.

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