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LONDON BRANCH

Hon. Secretary.: Ms. Lourdes Elona-Lilley (Nina), CEng FRINA
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THURSDAY, 29 OCTOBER 2020

"LNG BUNKER VESSEL DESIGN"

by

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REGISTER:
https://us02web.zoom.us/meeting/register/tZcqduqgpzsqHtX-7ZUskU6GjZpNsU_7_86w

At 17:55 for 18:00 hours (duration approximately 1 hour)

Transhipment of Liquefied Natural Gas (LNG) is still primarily transoceanic via conventional sized and larger LNG Carriers (LNGCs) but now increasingly smaller LNGCs are being utilised for regional distribution in coastal waters. Worldwide there is a continuing growth in the application of LNG as a fuel in marine propulsion etc. Consequently, the world fleet of small LNGCs is increasing and the last few years has seen the introduction of a new class of ship namely LNG Bunker Vessels (LNGBVs) / Gas Supply Vessels (GSVs). Drawing on over two decades of experience in the design and evaluation of numerous new-build design, conversion and upgrades of offshore Floating Liquefied Natural Gas (FLNG) units, LNG Floating Storage and Offloading (LNG FSOs) reception / distribution vessels, Floating, Storage and Regasification Units (FSRUs), LNG Floating Power Barges (LNGFPBs) etc. together with a decades experience in the design of conventional and highly novel, innovative and ultra-large LNGCs, of all configurations, the speakers will briefly discuss the history and development of LNG shipping and offshore and near-shore floating LNG assets over the past half century. The presentation will briefly describe the LNG supply and utilisation chain, with a focus on floating assets, before considering the current and future deployment floating LNG bunkering throughout the world in response to the significantly rising demand for LNG as a fuel for both small coastal tonnage and the largest deep-sea ships. The design of LNGBVs will be detailed including the many common, and some unique, but often conflicting and diverse design and operational criteria which must be addressed coherently within the design process in order to generate robust and safe solutions. Finally, the unique operational aspects associated with LNGBVs will be discussed and recent experience shared.

ALL ARE WELCOME

IF A CONTINUING PROFESSIONAL DEVELOPMENT (CPD) CERTIFICATE IS REQUIRED, PLEASE ADVISE THE HONORARY SECRETARY. HER CONTACT IS STATED ABOVE.