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THE INTERNATIONAL COMMUNITY FOR MARITIME AND OCEAN PROFESSIONALS



SNAME WESTERN EUROPE SECTION

TUESDAY, 3rd DECEMBER 2019

"MOORING SYSTEMS FOR FLOATING GAS UNITS"

By

JON DUNSTAN, BEng (Hons)CEng MIMarEST
MANAGING DIRECTOR, LONDON MARINE CONSULTANTS (LMC)

Meeting to be held at

*Lloyds Register, 71 Fenchurch Street London EC3M 4BS
at 17:30 for 18:15 hours (duration approximately 1 hour)*

As the world energy transition gains increasing momentum, the role of gas as a hydrocarbon fuel for generation of electricity and as a direct fuel for land and marine transportation is progressing rapidly. Its position as a cleaner burning alternative to oil and gas has positioned it as the likely last man standing from.

The key challenge to the distribution of gas from producing countries to the required consumers remains the same, pipelines have limited outreach and gas is not easy to transport in its natural form over long distances.

Liquefied Natural Gas (LNG) offers a proven and economic means to compress gas to 1/600 of its volume in atmospheric state and allow it to be transported in a cooled (-163degC) liquid form in purpose - built LNG carriers.

Aside the transport of LNG, floating terminals are now in existence that consist of permanently moored units that can store LNG and also, depending upon the duty, turn incoming gas to liquid LNG (Floating liquefaction, or FLNG) or vaporize LNG into gas (Floating Regasification, or FSRU).

These facilities allow LNG to be created, stored, redistributed or regasified for consumption worldwide. Station keeping of these units is a major challenge to designers.

This talk will explain the types of mooring systems that are used to secure these facilities on their locations, which can range from huge purpose built newbuild vessels in open ocean that must sustain typhoon events to very sheltered in-harbour positions based on converted trading LNG tankers.



ALL ARE WELCOME

Continuing Professional Development (CPD) Certificates will be available at the end of the meeting for attendees.

PLEASE CONTACT THE HONORARY SECRETARY, MS. LOURDES ELONA-LILLEY, FRINA AT london.rina44@gmail.com FOR BOOKINGS AND ADVISE IF A CONTINUING PROFESSIONAL DEVELOPMENT (CPD) CERTIFICATE IS REQUIRED. PLEASE CIRCULATE.