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## THE ROYAL INSTITUTION OF NAVAL ARCHITECTS LONDON BRANCH

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**THURSDAY, 12 MARCH 2015**

### **"HILOAD FLNG OFFLOADING SYSTEM"** BY

**TORD BROMS THORSEN, MSc. Marine Technology**  
Technical Lead, Sevan Offloading for FPSOs, FSOs & FLNG  
MARINE ANALYSIS & OFFLOADING, SEVAN MARINE ASA

*Meeting to be held at*  
**ABS Europe, Ltd, # 1 Frying Pan Alley, London, E1 7HR**

At 17:45 for 18:00 hours  
(duration approx 1 hour)

The first floating LNG (FLNG) projects are now in construction and more than 25 new FLNG projects are currently being planned world-wide. One of the most critical systems for the overall safe and reliable operation of an FLNG is the LNG offloading system. The preferred option for most of the operators is to perform offloading in a tandem configuration. The challenge with such a solution is that it will normally require expensive dedicated LNG ships with DP (Dynamic Positioning) and LNG Bow Loading Systems.

The development and qualification process of the HiLoad LNG over the last 15 years, including 7 model tests and comprehensive research activities has provided evidence that the HiLoad LNG, with its specifications, solves one of the major FLNG-related challenges, the offloading operation.

Full trading flexibility and a high utilization of the LNGCs, thereby keeping the shipping costs at a minimum, are essential parameters in the FLNG industry. The combination of a robust, both technical and economical, LNG offloading solution has been an industry challenge. The dynamically positioned HiLoad LNG provides a solution for safe and efficient LNG offloading with use of conventional LNGCs without modification, maintaining the interest of the above mentioned parameters. Flexibility, cost, efficiency and limited operational restrictions have been key focus areas throughout the development process.

The offloading principles with use of the HiLoad LNG is based on well-known proven technology being used by the industry for decades, in combination with innovative solutions being technology-proven through extensive testing and qualification processes.

**ALL ARE WELCOME**

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

**DUE TO LIMITED CAPACITY OF THE ABS TRAINING ROOMS, PRE-BOOKING IS ESSENTIAL TO SECURE A PLACE. PREFERENCE WILL BE GIVEN TO THOSE WHO REGISTERED.**

**PLEASE CONTACT THE HONORARY SECRETARY FOR BOOKINGS AND CPD CERTIFICATES.**