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## THE ROYAL INSTITUTION OF NAVAL ARCHITECTS LONDON BRANCH



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**THURSDAY, 26 APRIL 2018**

### Installation of a Wind Turbine Generator on to Floating Foundation

BY

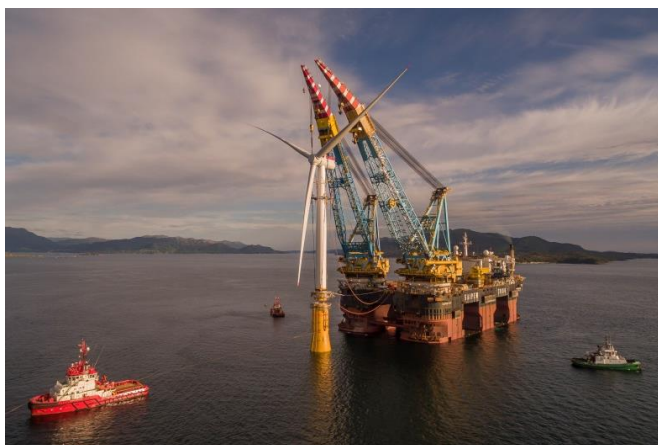
**ANTON SLOZKIN**, CENG MRINA  
NAVAL ARCHITECT, SAIPEM LTD.

*Meeting to be held at*

***Lloyds Register, 71 Fenchurch Street, London, EC3M 4BS***

*At 17:30 for 18:15 hours (duration approximately 1 hour)*

The marine operations play a pivotal role throughout all phases of offshore wind farm installation projects. It is a challenging task especially with increasing scale of the wind turbines. The most challenging and difficult stage from both operations and engineering point of view is the installation of the wind turbine generator (WTG) onto its foundation. This evening seminar will present the world's first ever offshore floating wind turbine farm installation project where the WTG has been lifted as a single unit and installed onto floating foundation. These installations have



been performed by Saipem's semi-submersible crane vessel S7000 for the Hywind project in Summer 2017. In total, 5 WTGs were successfully installed. This seminar will focus on challenges faced by Saipem during the design and engineering stage. The floating wind turbine installation is different from traditional offshore heavy-lift projects in general. It requires a very good knowledge from various engineering disciplines (hydrodynamics, mooring, structures, aerodynamics and etc.) and a comprehensive modelling of all environmental effects (wind, waves and current). This project is a good example when innovation combined with excellent teamwork led to a successful installation. The presentation will also include the photographs and videos from the operations as well as a discussion on the validation of Saipem's engineering model.

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**THIS PRESENTATION WILL BE PRECEDED BY THE ANNUAL GENERAL MEETING (AGM) OF THE  
RINA LONDON BRANCH THAT WILL TAKE PLACE COMMENCING AT 18:00 HOURS**

**ALL ARE WELCOME**

PLEASE CONTACT THE HONORARY SECRETARY AT [london.rina44@gmail.com](mailto:london.rina44@gmail.com) FOR BOOKINGS AND ADVISE IF A CONTINUING PROFESSIONAL DEVELOPMENT (CPD) CERTIFICATE IS ALSO REQUIRED. PLEASE ALSO ADVISE YOUR COMPANY OR SOCIETY AFFILIATION. IF YOU ARE STUDENT, PLEASE INFORM YOUR UNIVERSITY/COLLEGE AFFILIATION. **PRE-BOOKING IS ESSENTIAL TO SECURE A PLACE. PREFERENCE WILL BE GIVEN TO THOSE WHO HAVE REGISTERED.**