

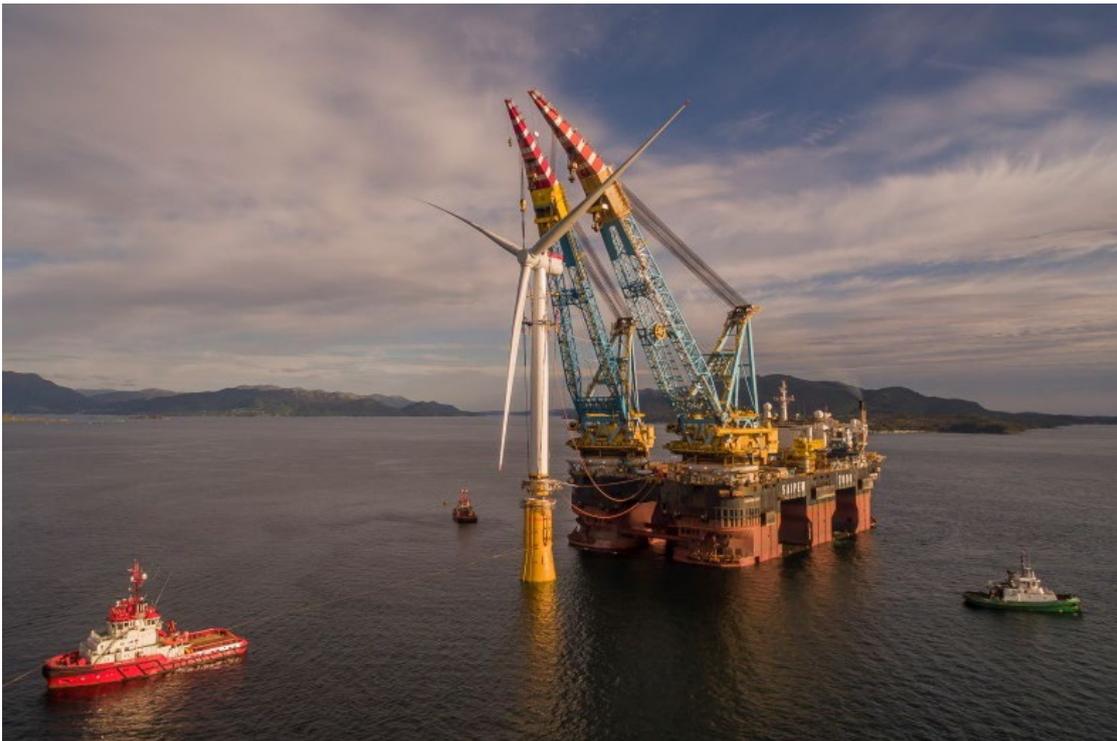


**Offshore Engineering Society**

## Installation of a Wind Turbine Generator onto Floating Foundation

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Wednesday 9<sup>th</sup> January 2019  
Institution of Civil Engineers  
One Great George Street, Westminster, London SW1P 3AA  
18:00 (refreshments available from 17:30)



Marine operations play a pivotal role throughout all phases of wind farm installation projects. They are a challenging task especially with the increasing scale of wind turbines. The most challenging and difficult stage from both an operations and engineering point of view is the installation of the wind turbine generator (WTG) onto its foundation.

This talk will present the first ever wind turbine installation project where the WTG has been lifted as a single unit and installed onto a floating foundation. This installation was performed by Saipem's crane vessel S7000 for the Hywind project in Summer 2017. 5 WTGs were successfully installed.

The talk will focus on challenges faced by Saipem during the design and engineering stage. A floating wind turbine installation is very different from traditional offshore heavy-lift projects. It requires a very good knowledge from various engineering disciplines (hydrodynamics, mooring, structures, aerodynamics, etc.) and a comprehensive modelling of all environmental effects (wind, waves and current). This project is a good example of when innovation combined with excellent teamwork lead to a successful installation.

The presentation will include photographs and videos from the operations as well as conclusions on the validation of Saipem's engineering model.

**Speaker:**

**Anton Slozkin MRINA CEng, Naval Architect, Saipem Limited**

**Anton Slozkin** graduated from Newcastle University in 2011 and joined Saipem's Graduate Training Scheme in the same year. He currently works as a Naval Architect at Saipem Limited and, in the last 7 years, has been involved in a number of heavy-lift projects in the offshore industry in North Sea region. His main areas of expertise include jacket, deck and wind turbine installations and also platform decommissioning.

**Booking information:**

Please register to guarantee your place: <https://www.ice.org.uk/events/installation-of-a-wind-turbine-generator-london>