



Offshore Engineering Society

WIND TURBINE GENERATOR (WTG) FOUNDATIONS: HOW DOES THE DESIGN CHOICE AFFECT THE INSTALLATION?

Wednesday 22nd September 2021 at 17:30 - Zoom Webinar

Presented by:

Evren Armaoğlu, Saipem Ltd.

(The event is only open to OES and ICE members - Please see registration notes)



Operators have a few choices when selecting the form of the Wind Turbine Generator (WTG) foundation. Their choice is typically governed by environmental factors such as the water depth or the soil properties at the designated installation site.

Saipem is currently engineering several WTG foundation installations with different bottom-fixed substructure types, i.e. Monopiles, Jackets, and Gravity Based Structures (GBS). Each of these types present unique challenges for the installation process.

This talk will examine how the type selected impacts the installation engineering process and operations for a semi-submersible crane vessel. Specific focus will be on identifying key areas of the installation, the analysis process and how it is streamlined, and the application of the derived limits offshore in known environmental conditions.

Speaker: Evren Armaoğlu, Saipem Ltd.



Evren has worked in the energy industry for over 10 years and as a professional engineer for 15 years. He holds a PhD in Naval Architecture from University of Strathclyde and a BSc from Istanbul Technical University. He started his career working on an EU-funded R&D project on adoption of new technologies for oil spill recovery. He continued his career at MARIN (Netherlands) where he was a subject matter expert on the seakeeping and maneuvering of ships and has been involved in many projects involving different types of vessels (from semi-submersibles, FPSOs and Tugs to High-speed Catamarans). Since 2010 he is with Saipem Ltd. During his time in Saipem he has been involved in many offshore infrastructure installations, decommissionings and pipelaying campaigns. Currently, he leads the installation analysis activities for the Fécamp GBS installation project as Principal Naval Architect.



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REGISTRATION

Registration opens immediately to OES Individual Members and OES Corporate Members. **Members of the Institution of Civil Engineers may only register after 13th September 2021.** ICE member registrations before this date will not be accepted.

Employees of OES Corporate Members MUST use their corporate organisation's e-mail address for registration to facilitate security checking.

Anyone not an OES or ICE member or an invited guest may not to attend. However, anyone wishing to join the Offshore Engineering Society may do so on-line at www.oes.org.uk.

Anyone who is not currently receiving e-mailings from the OES and wishes to do so may sign up by going to: <https://www.ice.org.uk/about-ice/what-we-do/specialist-knowledge-societies> and click the **NEWSLETTER SIGN-UP** button at the bottom of the page.

The link to register for the event is:

https://us02web.zoom.us/webinar/register/WN_7fldQ3uoSuu2Y8CtVjpYJw

(Registration Closes at midnight on 21st September 2021)

Please ensure that you enter **all** the requested data and that it is **accurate** as failure to do this may impact your registration.

Please note that you may not receive an immediate reply to your registration. Please allow up to 24 hours before making an enquiry to eventhost@oes.org.uk

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