UNIVERSITY OF CAMBRIDGE
Department of Engineering

GEOTECHNICAL SOCIETY

Managing ground risks and reducing costs for offshore wind foundations – A practitioner's experience

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Seminar overview:

Offshore wind is the most scalable of the renewable technologies and has the potential to have a major impact on decarbonising energy infrastructure to help mitigate climate change. In the UK there are ambitious targets to increase installed and operational capacity by 2020. Driving down the cost of foundations and effectively managing the uncertainties presented by the ground are imperatives for continued investment in offshore wind.

This presentation gives an overview of how the ground risks and key foundation design and installation challenges can be practically managed, drawing from the presenter's project experience. The presentation will focus on three principal aspects critical to lowering cost, improving constructability and managing ground risk, namely efficient site investigation and ground modelling, efficient and reliable design, and reliable installation assessments.

Biography:

Sébastien Manceau is a Chief Geotechnical Engineer with over sixteen year experience of working in multi-disciplinary teams across a range of sectors including infrastructure and energy. Within Atkins Ground Engineering business, he is the Technical Authority for Offshore Geotechnics focusing on the renewables and oil and gas sectors. He has significant experience in offshore site investigations and foundation design for offshore windfarms at all stages of projects development. Recent and current work includes the Beatrice and Dudgeon offshore windfarms.

When and where:

Wednesday, 23 November, 19:00
Harrods room, Emmanuel College

Queries:
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