

# Evening Technical Meeting: The Wind & The Waves...Renewable Energy Developments Through Learnings From Oil & Gas

Wednesday, 10<sup>th</sup> October 2018 ✦ Venue: Parmelia Hilton Hotel (Argyle Room), Mill St. Perth

Onsite Registration 5.30 pm; Presentations 6.00 pm – 7.30 pm; Networking over drinks and finger food 7.30 pm – 8.30 pm

To register for the event visit [www.SUTETM100October2018.eventbrite.com.au](http://www.SUTETM100October2018.eventbrite.com.au)

Chaired by: Sarah Elkhatib - NGI

## Placing Albany on the map of the world's leading renewable energy cities

**Christophe Gaudin, Director – WERC, COFS, Head of Oceans Graduate School – UWA**

The University of Western Australia has recently established a Wave Energy Research Centre in Albany with support from the State Government. A team of around 20 researchers is assisting Carnegie Clean Energy (CCE) in developing and deploying of a novel 1.5 MW wave energy converter in Torbay, Albany. The research spans across geotechnical engineering, coastal engineering, oceanography and hydrodynamics. The presentation will highlight the multi-disciplinary scientific challenges faced by the offshore renewable energy, with a specific focus on the device to be deployed by CCE.

## Renewable energy – Building on the foundation of Oil & Gas

**Laith Tapper, Senior Engineer – NGI**

This presentation will explore the use of suction caisson foundations in offshore renewable energy developments. Since the 1980's, where they were first used in the Oil & Gas industry, suction caissons have been used as foundations for both fixed bottom and floating structures. This presentation will provide an overview of how suction caisson experience from the Oil & Gas industry is being transferred for applications in renewable energy. Important differences that require consideration will be explained through examples of recent suction bucket jacket (SBJ) and suction anchor installations for fixed and floating offshore wind farm projects.

## Design and installation aspects relating to monopile and jacket foundations for wind turbine generators.

**ir. Andre Andringa, Project Director - Boskalis**

The European offshore wind market has grown considerably over the last few years with many installations taking place across various sectors of the North Sea. This presentation will guide the audience through the design, logistical and installation aspects of monopile and jacket foundations for wind turbine generators (WTG). Specific projects from the European offshore wind market will be presented as case studies, including Veja Mate (Germany), Wikinger (Germany) and East Anglia (U.K.). Focus will be given to two particular aspects: (1) noise mitigation strategies to align with environmental regulations; and (2) application of grouted and bolted connections.

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**CPD = 1.5 hrs**

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*ETM programme is subject to change*

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5 Ticket Member Pass: \$125, 5 Ticket Non-Member Pass: \$225

Please note an additional \$5 fee applies if paying on night

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