



## MARKET FORUM SERIES

**Event:** Accelerating the ocean energy opportunity through green hydrogen

**Speaker:** Rob Flynn, Commercial Manager, [European Marine Energy Centre \(EMEC\)](#)

**Date:** Wednesday, 9th December 2020

**Time:** 6.00pm - 7.00pm AEDT/7am - 8am GMT

**Connection:** Zoom meeting [*Link included in calendar invite*]

The commercialisation of green hydrogen is an essential step toward a 100% renewable future. Green hydrogen has the potential to meet the exponentially growing demands for renewable energy to support the electrification and decarbonisation of heavy industry and transport sectors.

A significant amount of research and effort is taking place exploring ways to cost-effectively produce green hydrogen. The European Marine Energy Centre (EMEC) in Orkney Scotland is investigating several ocean-related hydrogen projects, including tidal energy as generation source to produce green hydrogen. <http://www.emec.org.uk/projects/hydrogen-projects/iteg/>.

EMEC is the only centre to provide developers of both wave and tidal energy converters – technologies that generate electricity by harnessing the power of waves and tidal streams – with purpose-built, accredited open-sea testing facilities.

The recently announced EMEC ‘**Flow**’ project using a unique combination of tidal power and flow batteries at EMEC’s tidal energy test site on the island of Eday, will power EMEC’s hydrogen production plant, demonstrating the world’s first continuous hydrogen production from variable renewable generation.

This is the first time that a flow battery will be coupled with tidal energy and hydrogen production, which will support the development of innovative energy storage solutions being developed in the Interreg NWE ITEG project.

### Program

Our Featured speaker – **Rob Flynn** is generously providing his early-morning coffee time to share relevant EMEC experiences. He will:

- Provide an overview of EMEC’s research on the ocean energy/hydrogen connection and the context that brought EMEC and Orkney to do so.
- Share high-level information about the market response to “green hydrogen” supplied by ocean energy.
- Describe the key market demand/end-user challenges EMEC are seeing with the development and implementation of their OE/hydrogen projects.
- Share lessons learned from EMEC experience to strengthen hydrogen/ocean energy market development opportunities in Australia.

## Speaker Bio



**Rob Flynn**  
**Commercial Manager**

Rob identifies and manages new commercial opportunities and a portfolio of clients and partners from around the world to support the long term growth and maintain EMEC's presence globally as a trusted partner in the energy sector.

**Supported by:**



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