

ASX Announcement

Friday, 13 September 2013

Partnership with Marine Renewable Energy Ireland (MaREI) Centre

- Carnegie's CETO technology the focus of a Marine Renewable Energy Ireland Centre Project
- CWE Ireland in multi-year collaboration with Beaufort Research, University College Cork (UCC)
- €15m UCC Beaufort Research Centre aims to position Ireland at forefront of marine energy research globally

Wave energy developer Carnegie Wave Energy Limited (ASX: CWE) is pleased to announce that it has partnered with the Marine Renewable Energy Ireland Centre on a collaborative research project that has been funded in conjunction with Beaufort Research University College Cork.

Carnegie will be collaborating with the Marine Renewable Energy Ireland Centre in a targeted research project to develop tools that will optimise the layout of CETO wave energy arrays and the performance and control of each CETO Unit in the array. Research will be carried out both in virtual computational wave modelling and in the National Ocean Test Facility wave tank.



Dr Jimmy Murphy and Dr Sara Armstrong of Beaufort Research UCC with Carnegie's Executive Director Mr. Kieran O'Brien and Project Development Officer Tim Sawyer, visiting the wave tank test facility in Cork, Ireland

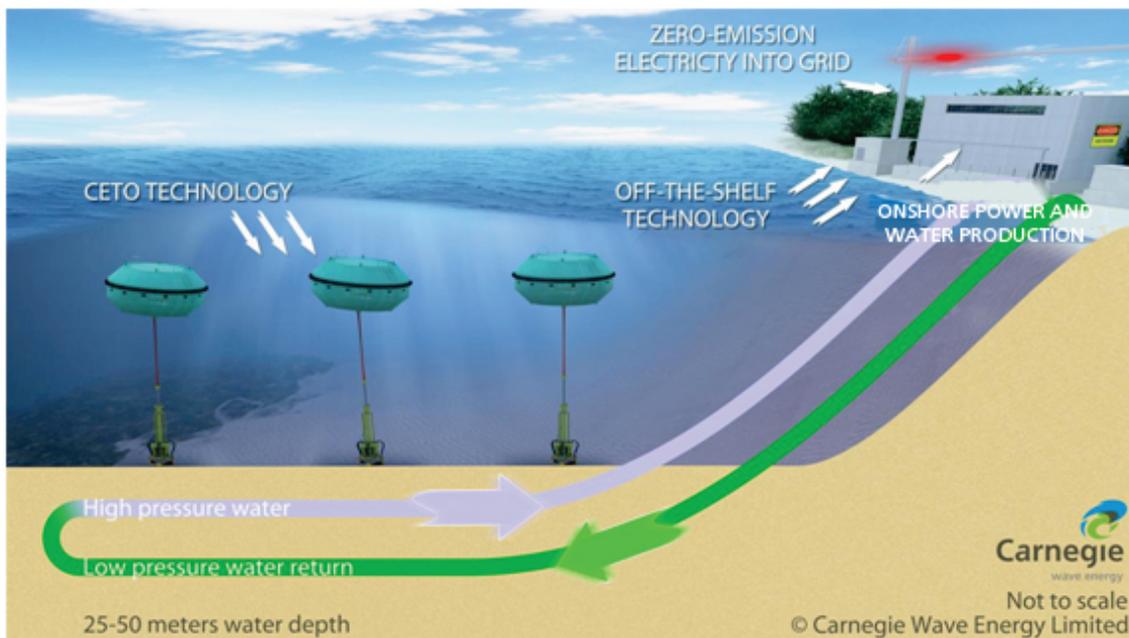
Carnegie's Dublin based Executive Director, Mr Kieran O'Brien, said:

"Carnegie is excited to be partnering with Beaufort Research as it allows us to leverage their extensive and innovative science and engineering expertise into the further development of the CETO technology".

About Carnegie

[Carnegie Wave Energy Limited](#) is an Australian, ASX-listed (ASX:CWE) wave energy technology developer. Carnegie is the 100% owner and developer of the CETO Wave Energy Technology intellectual property.

About CETO



CETO Power & Water

The CETO system is different from other wave energy devices as it operates under water where it is safer from large storms and invisible from the shore. Fully submerged buoys are tethered to seabed pump units. These buoys move with the motion of the passing waves and drive the pumps. The pumps pressurise water which is delivered onshore via a subsea pipe.

Onshore, high-pressure water is used to drive hydroelectric turbines, generating zero-emission electricity. The high-pressure water can also be used to supply a reverse osmosis desalination plant, replacing or reducing reliance on greenhouse gas-emitting, electrically-driven pumps usually required for such plants. The technology is also capable of generating power offshore should the specific characteristics of a project site require it.

CETO technology characteristics include:

- Converts ocean wave energy into zero-emission electricity and desalinated water.
- Environmentally friendly, has minimal visual impact and attracts marine life.

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- Fully-submerged in deep water, away from breaking waves and beachgoers, and unaffected by storms.

About the Centre for Marine Renewable Energy Ireland and Beaufort Research University College Cork

The Science Foundation Ireland (SFI) Marine Renewable Energy Ireland (MaREI) Centre is a cluster of key university and industrial partners dedicated to solving the main scientific, technical and socio-economic challenges related to ocean energy. The MaREI is led by Prof. Alistair Borthwick, and hosted by Beaufort Research University College Cork.

MaREI partner academic institutions include UCC, NUIG, UL, NUIM, UCD, NMCI, the Marine Institute, Teagasc, Geological Survey of Ireland and the consortium also involves 47 Industry Partners.

Beaufort Research is dedicated to inter-disciplinary research and development supporting development and innovation in the marine and energy fields. It combines the Hydraulics and Maritime Research Centre (HMRC), the Coastal and Marine Research Centre (CMRC) and the Sustainable Energy Research Group (SERG) at the University College Cork.

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