

Subject: **News – For Immediate Circulation****Press Release**Date: 24th July 2015

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TITLE – MARINET Supported Tank Testing in Cork, Ireland

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Seatricity had an eventful week 13-17th July testing the Oceanus technology in the Beaufort Wave Basin of the Hydraulics and Marine Research Centre at the University of Cork. The week was supported by the MARINET FP7 programme - a European Community - Research Infrastructure Action under the FP7 "Capacities" Specific Programme.

During the week a number of load cases were tested including float motions, mooring loads and power output. A 1:40 scale model of the Oceanus 2 was printed with support from 3DKernow and was put to good use. It gave a very accurate representation of the full scale device for tests involving form specific float drag and heave response. This included a submerged test designed to define tether peak loading when the Oceanus pump is locked down in "survival" mode, with scale waves of 6.5m Hs being tested.

A new design of WEC float was also tested in conjunction with the existing scale PTO prototype from Antigua. The float design is for a small desalination device, the focus being on deployability, with the full scale floats able to fit into a standard ISO shipping container. The power data obtained from this model will allow us to compare the energy capture of the new float design against the potential cost saving of an easily ship able device.

The opportunity was also taken whilst in Cork to visit the UCCs new Beaufort building in Ringaskiddy which had been opened the same week by Enda Kelly the Prime Minister of Ireland. The building will be active in the next few months, and features at very large wave basin that will be a great resource for wave energy developers allowing models of up to 1:4 scale.

We would once again like to thank the EU Commission and the MARINET FP7 programme, along with the staff at UCC and the HMRC for making the weeks testing possible. Also thanks must go to 3DKernow and Steve Cox for production of the rapid prototyped Oceanus 2 model.

The MARINET FP7 website: <http://www.fp7-marinet.eu/>

The 3D Kernow website: <http://www.3dkernow.org/>

This story with photographs and video on our website here: <http://seatricity.com/marinet-wave-basin-testing-ucc/>

For more information, high-res photos or to arrange interviews please contact:

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NOTES FOR EDITORS

SEATRICITY:

Seatricity is a lean and dynamic technology development company, unafraid to break with the norm, and challenge industry expectations. Our mission is also to demonstrate that wave energy doesn't have to be an expensive, heavily subsidised replacement for fossil fuels. Each megawatt of wave device capacity will cost less than 2.5 million GBP in equipment and installation costs with an estimated life cycle of 20 years. This compares very favourably with wind turbine power generation where a standard offshore turbine will cost around 3 million per megawatt and has an operating efficiency (capacity factor) considerably less than that achieved by the Seatricity wave devices.

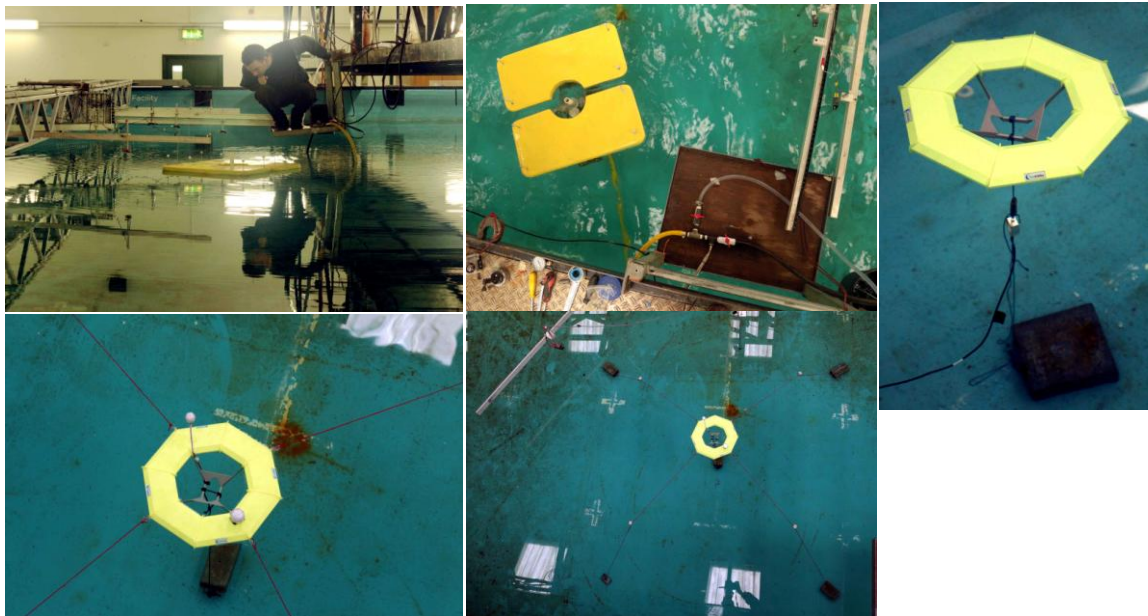
MARINET:

MARINET, the Marine Renewables Infrastructure Network, is a network of research centres and organisations that are working together to accelerate the development of marine renewable energy technologies - wave, tidal & offshore-wind. It is co-financed by the European Commission specifically to enhance integration and utilisation of European marine renewable energy research infrastructures and expertise. MARINET offers periods of free-of-charge access to world-class R&D facilities & expertise and conducts joint activities in parallel to standardise testing, improve testing capabilities and enhance training & networking.

3D KERNOW:

Our goal is to sensitise decision-makers in Cornwall to the potential of 3D Printing. The campaign will start in the Falmouth/Penryn area, broadening it out to other parts of Cornwall as make sense We will run a highly focused one month pop-up demonstration centre in Falmouth starting Monday 8 June This will be at the Poly (Royal Cornwall Polytechnic Society) in Falmouth Drawing on the lessons gained in our demonstration month, we hope to leave a more lasting legacy. We will explore the possibility of replicating our demonstration month in other centres round Cornwall add 3DP issues to Falmouth's September arts week (19-27 Sept: Splash! Festival) develop demonstration "road shows" to be taken in to schools, companies and other groups.

Included images:



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