

ASX Announcement

22nd May 2015

Please find attached presentation delivered today at the Thetis – Marine Renewable Energy (MRE) conference in Nantes, France by Carnegie's Executive Director of Business Development, Mr. Kieran O'Brien. The conference features the leading offshore French and European wind, wave and tidal projects and technologies.

<http://thetis-emr.com/en/conference-atelier/conferences-workshops/>

Separately, Mr O'Brien will also be part of an upcoming panel session at the Economist's World Ocean Summit on June 4th in Portugal.

www.economistinsights.com/sustainability-resources/event/world-ocean-summit-2015/speaker

For more information:

Dr Michael Ottaviano

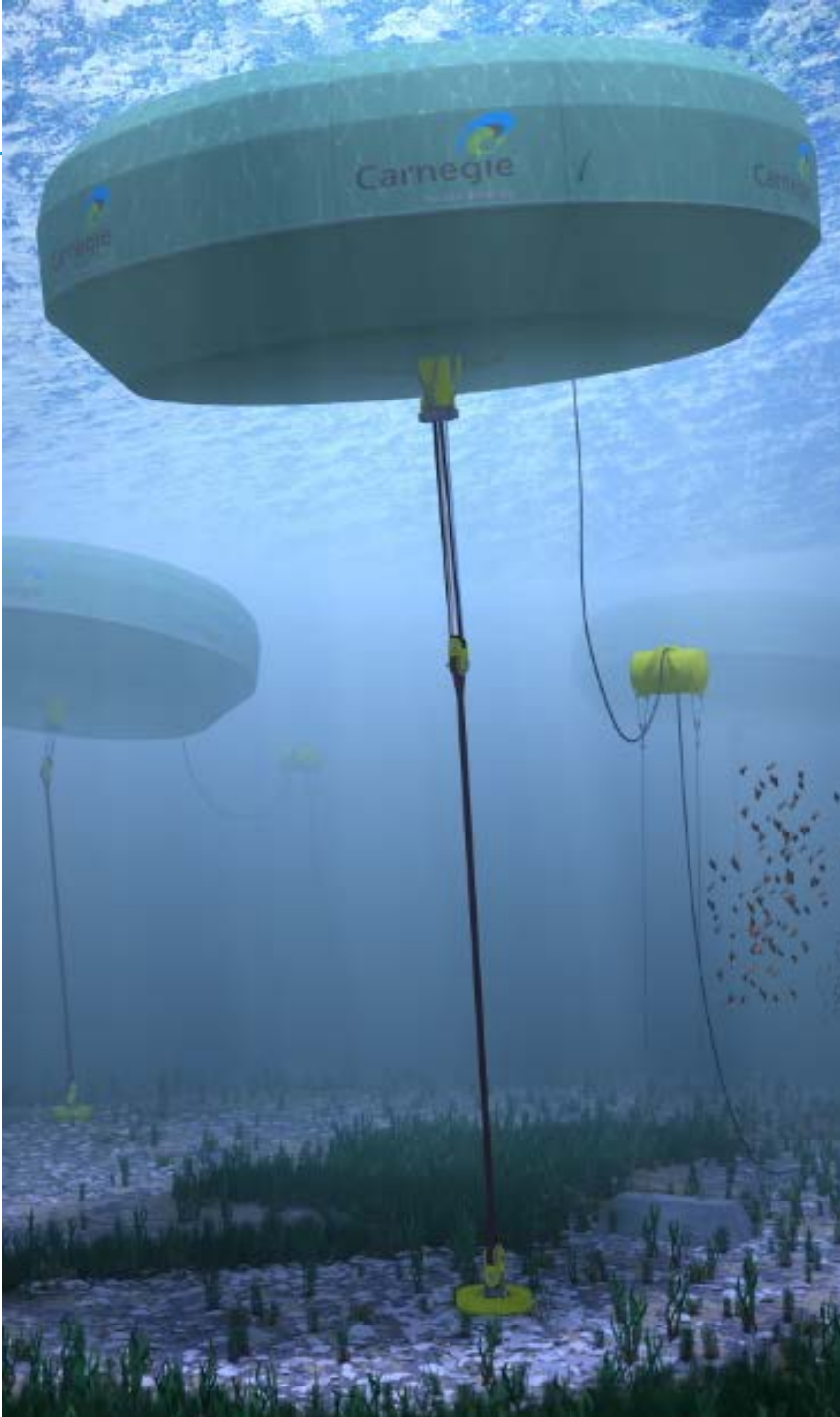
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Perth Wave Energy Project Update

Thetis MRE, Nantes, France

21st May 2015

Kieran O'Brien
Executive Director, Business Development



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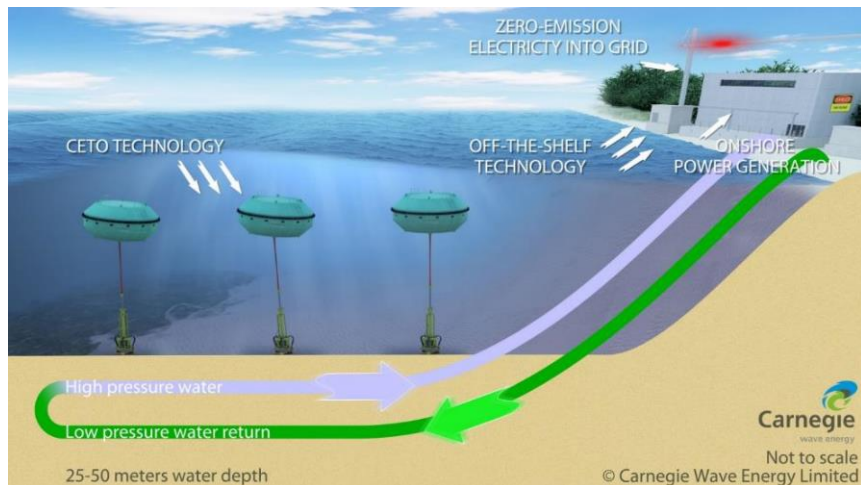
Carnegie Overview

- Owner and developer of “CETO” wave energy technology
- 45 engineering, commercial, administration staff
- ASX listed, based in Fremantle, Western Australia
- UK subsidiary focused on commercialisation of CETO
- 120 Patents or patents pending globally
- \$100m+ spent to date on CETO

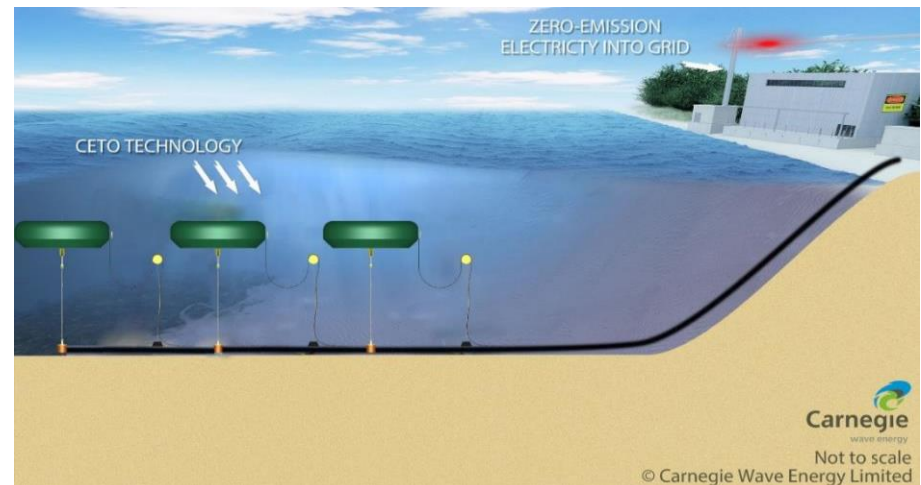


CETO Technology

- Fully submerged, point absorber
- Near-shore location or deep-water location
- Onshore or offshore power production
- Onshore water production
- Modular design largely using proven subsea components



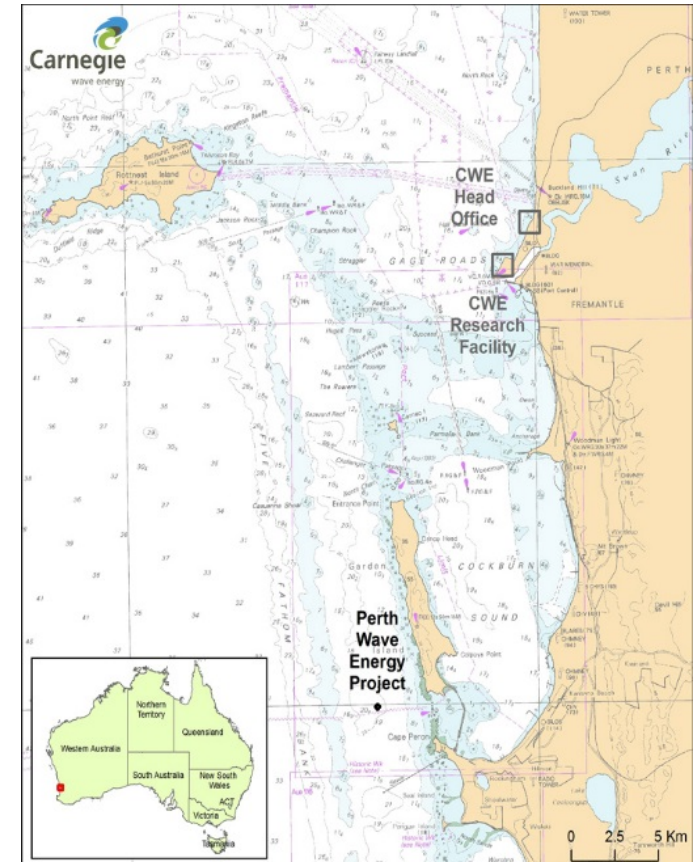
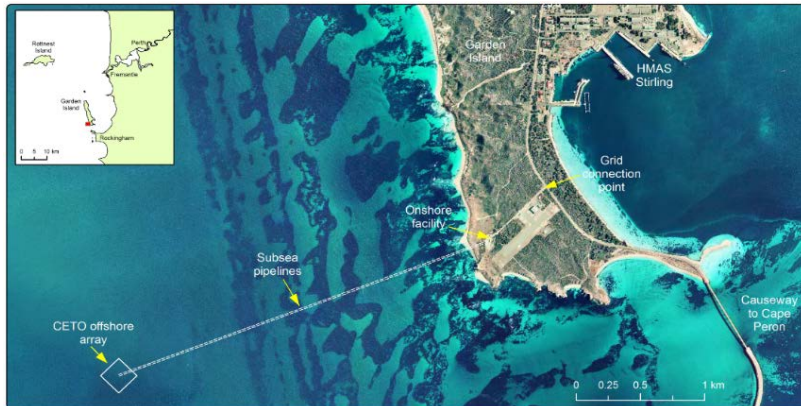
CETO 5 - Near-shore, onshore power & water



CETO 6 - Deepwater, offshore power production

Perth Wave Energy Project

- Garden Island, Western Australia
- 3 x CETO 5 units
- Onshore power plant and grid connection
- Onshore reverse osmosis desalination pilot plant
- \$22m in Government grant funding
- Power & Water Offtake to Australian Department of Defence (HMAS Stirling)



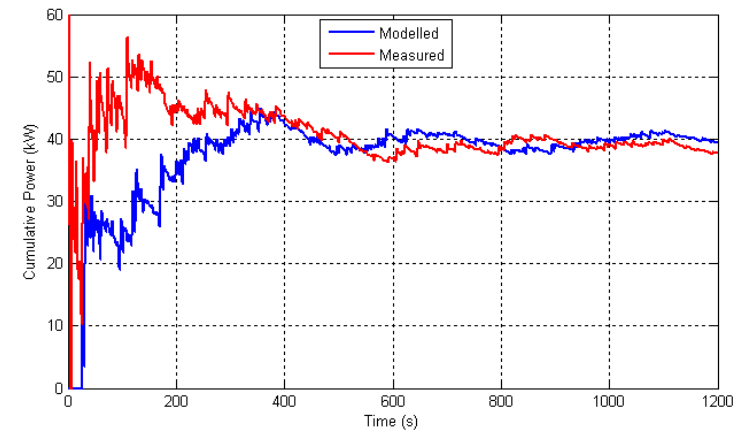
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Perth Wave Energy Project – CETO units



Perth Wave Energy Project – operation, maintenance and performance

- 3 unit array, over 8,500 hours of operation
- Exporting power to grid
- Range of sea states experienced up to 5.7m
- Regular inspection and maintenance
- CETO unit and system performance in line with expectations
- First CETO unit retrieved last week for onshore inspection and maintenance



Power measured and modelled in single CETO 5 unit in Hs 2.4m

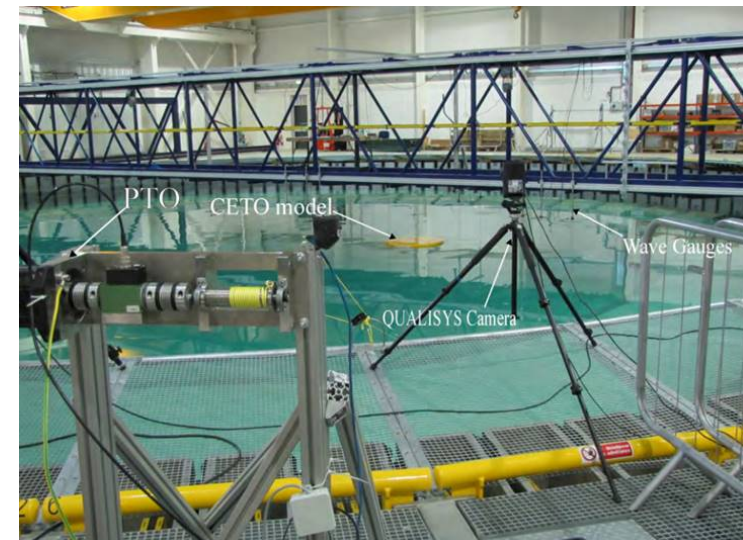
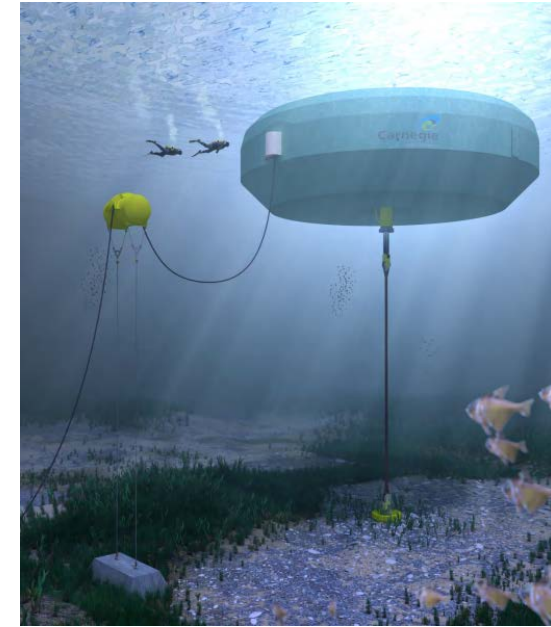
Perth Wave Energy Project – unit retrieval and inspection

- Successfully retrieved on first attempt
- Validation of “hot swap” methodology
- Use of “quick connect” components allowed for efficient retrieval
- Onshore inspection and maintenance activities underway
- Units 2 and 3 to be progressively retrieved during winter, where conditions are more challenging



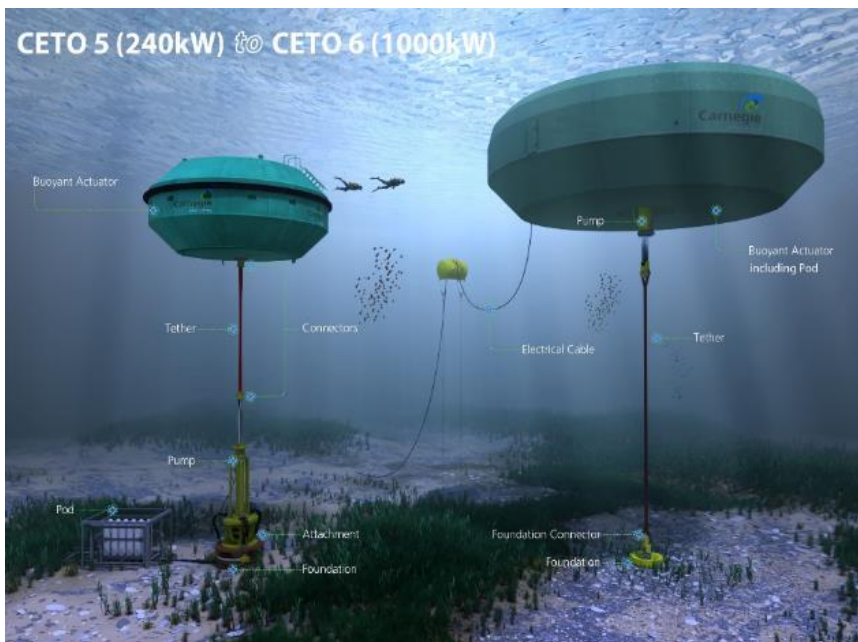
CETO 6 Next Generation

- 1MW capacity target
- 4 x increase in rated capacity vs CETO 5 => ~50% increase in diameter
- On board power generation
- First commercial production design
- 3MW CETO 6 Project
- Location(s):
 - Garden Island, Western Australia
 - Wavehub, UK
- Design start: 2013
- Project construction 2016/17



CETO 6 prototype testing at Edinburgh FloWave facility

Upcoming Milestones



2014:

- ✓ Construction of the Perth Project
- ✓ CETO 6 project design and funding

2015:

- ✓ Perth Project grid connection & operation
- CETO 6 project development

2016/17:

- Construction of CETO 6 project