

## **ASX Announcement**

**Friday, 8<sup>th</sup> May 2015**

Please find attached presentation delivered yesterday at the All Energy Conference in Glasgow by the CEO of CWE UK (Carnegie's 100% owned subsidiary), Mr Tim Sawyer.

Highlights include:

- Perth Project operational hours in excess of 8,000
- CETO 5 unit array has experienced waves of up to 4.8m

For more information:

Dr Michael Ottaviano

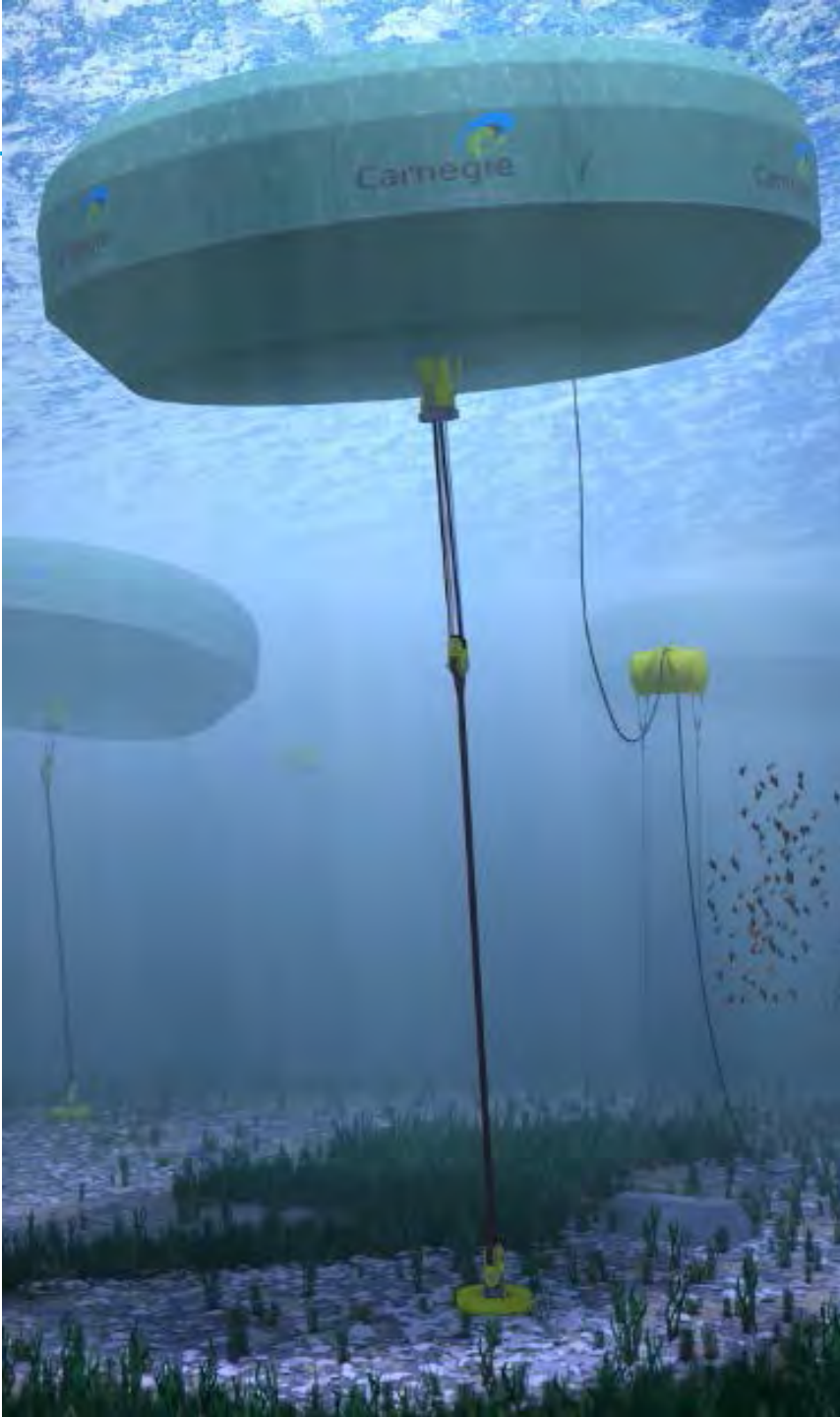
Managing Director

Carnegie Wave Energy Limited

(08) 9486 4466

[enquiries@carnegiewave.com](mailto:enquiries@carnegiewave.com)

Website: [www.carnegiewave.com](http://www.carnegiewave.com)



## Perth Wave Energy Project Update

All Energy Glasgow

7 May 2015

Tim Sawyer  
CEO, CWE UK



# Disclaimer

---

The information contained herein has been prepared solely for informational purposes and is not an offer to buy or sell or a solicitation of any offer to buy or sell any security or to participate in any trading strategy or to enter into any transaction. If any offer of securities is made, it shall be made pursuant to a definitive offering memorandum prepared by or on behalf of any fund or other issuer which would contain material information not contained herein and which would supersede this information in its entirety.

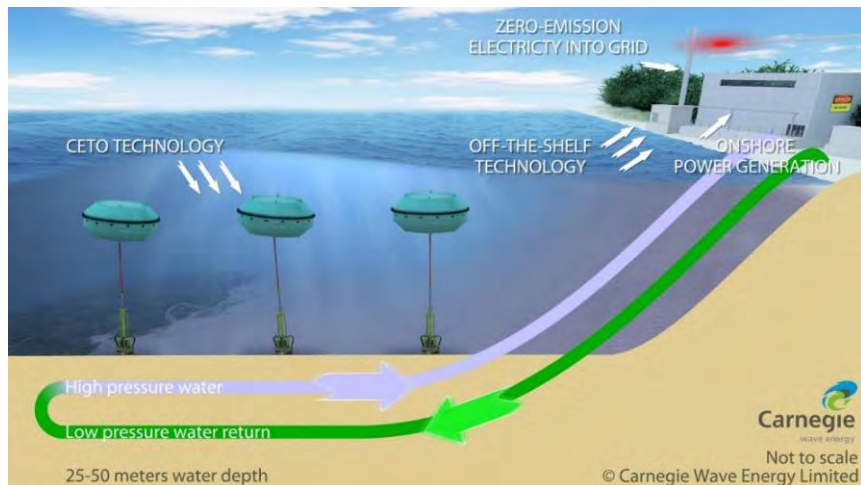
# Carnegie Overview

- Owner and developer of “CETO” wave energy technology
- 40 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

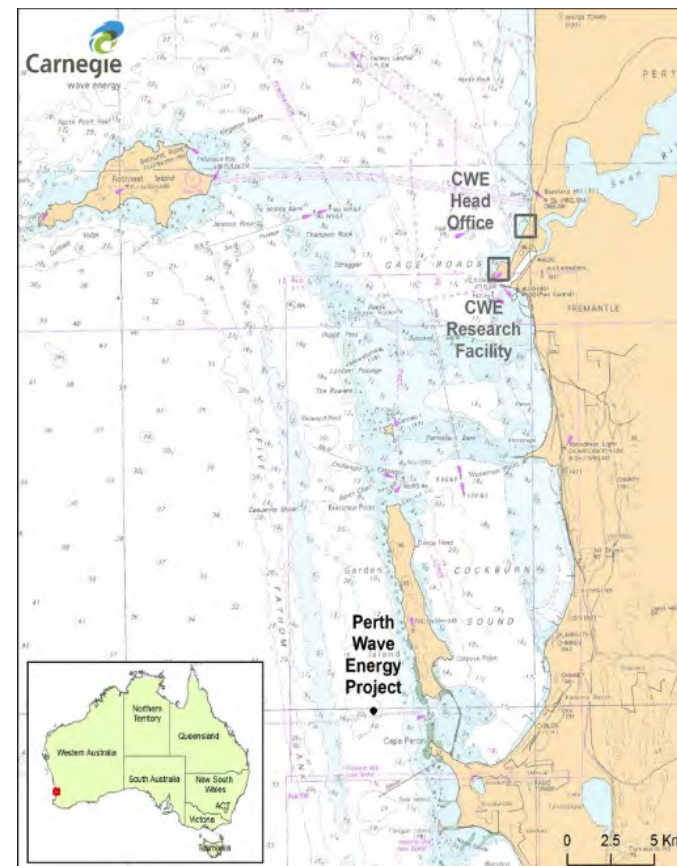


CETO 6 - Deepwater, offshore power production



# 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)

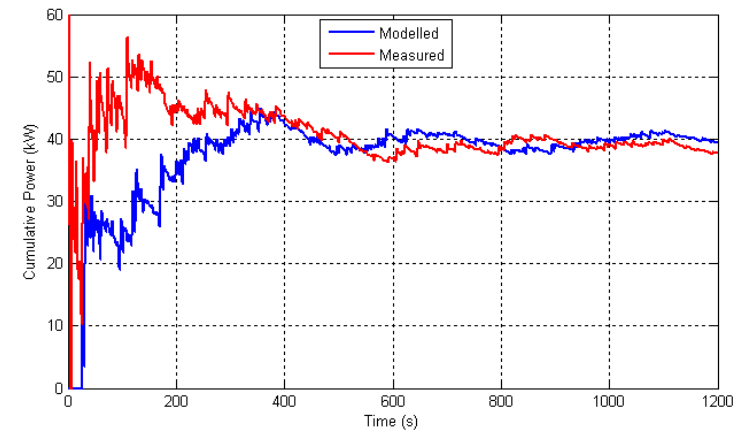


Certain material in this product are reproduced under licence by permission of The Australian Hydrographic Service.  
© Commonwealth of Australia 2010. All rights reserved. Licence No. 2803SG. Not to be used for Navigation.

# Perth Wave Energy Project – CETO units



- 3 unit array, over 8,000 hours of operation
- Exporting power to grid
- Range of sea states experienced up to 4.8m
- Regular inspection and maintenance
- First CETO unit to be removed, inspected and serviced in May
- CETO unit and system performance in line with expectations

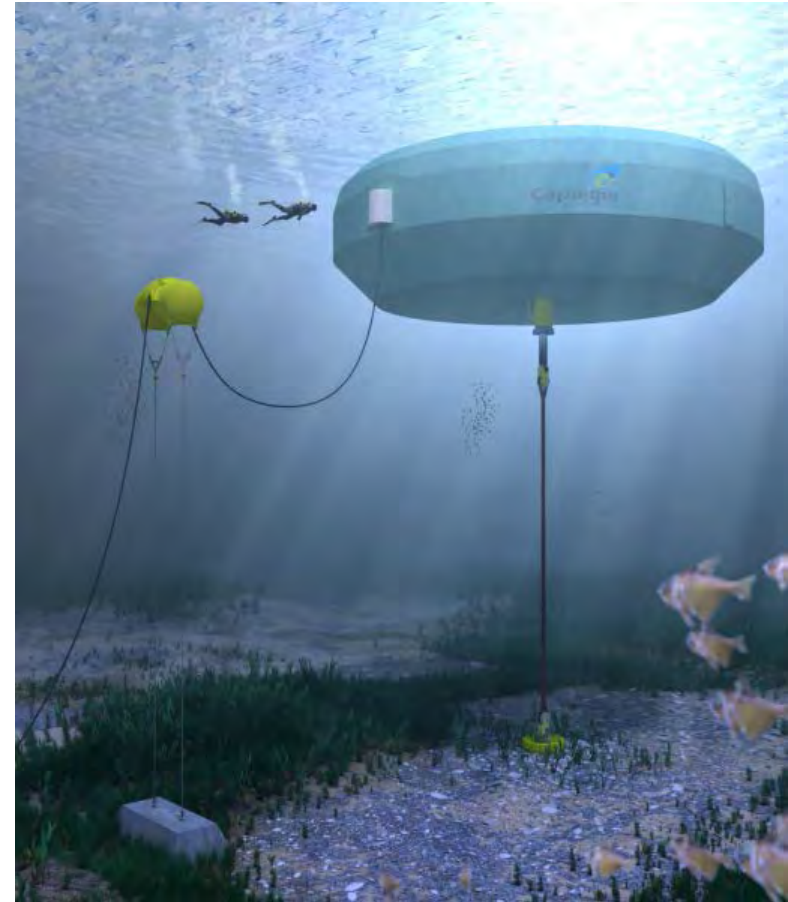


***Power measured and modelled in single  
CETO 5 unit in Hs 2.4m***



# 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



# 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

