

ASX Announcement

17 January, 2017

Carnegie research projects awarded Scotland Government funding

Carnegie Clean Energy (ASX: CCE) is pleased to advise that the Scottish Government's dedicated Wave Energy Grant Funded Research Body, Wave Energy Scotland (WES), has awarded funding to two wave energy research projects in which Carnegie is a partner.

The two wave energy research projects were successful in receiving a total of approximately £500,000 for the latest funding call by WES focused on innovative materials and manufacturing Processes. The two consortium and projects are:

- The RePower consortium received £249,614 to assess the use of hybrid structures with reinforced polymers as the prime mover of point absorber wave energy converters (WECs). The consortium is led by Cruz Atcheson Consulting Engineers and other project partners include Corpower Ocean, Arup Consulting Engineers, DNV-GL and The National Composites Centre of the United Kingdom (NCCUK).
- The RotoHybrid Consortium received £250,000 to develop rotational moulding of polymers for the design of WECs. The consortium is led by the University of Edinburgh and other project partners include Queen's University Belfast, Pelagic Innovation, ÉireComposites, Kingspan Environmental.

Wave energy converters (WECs), including Carnegie's CETO device, are currently typically made predominantly from steel, which is strong and durable but costly and susceptible to corrosion. The WES funded Structural Materials and Manufacturing Process (SMMP) projects will investigate the use of materials such as rubbers, plastics, concrete or combinations of these to build wave energy converters, and then test how well they survive in different sea conditions with the ultimate aim to reduce the lifetime costs of wave energy converters.

Scotland's Minister for Business, Innovation and Energy, Paul Wheelhouse said: "Continued innovation is vital in emerging renewable technologies such as wave energy. This funding could result in longer lasting wave converters that are better able to harness the power of the sea and more efficiently turn it into renewable energy."

About Carnegie

[Carnegie Clean Energy Limited](#) is an Australian, ASX-listed (ASX:CCE) wave energy technology developer. Carnegie is the 100% owner and developer of the CETO Wave Energy Technology intellectual property. Carnegie is focussed on commercial opportunities in key target markets including UK, Europe, Australia and remote islands. Carnegie is also the 100% owner of leading Australian battery/solar microgrid Engineering Procurement and Construction (EPC) company Energy Made Clean, which specialises in the delivery of mixed renewable energy microgrid projects to islands and remote and fringe of grid communities. Through this acquisition, Carnegie is now the world's first company to offer a combination of wave, solar, wind, storage and desalination into microgrids.

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