

3U Technologies, LLC Selected to Support Northwest National Marine Renewable Energy Center (NNMREC) at Oregon State University

01/14/2014

Conroe, TX – **3U Technologies, LLC** has been selected by NNMREC to provide technical and procurement support for establishment of the Pacific Marine Energy Center South Energy Test Site (PMEC-SETS) in Newport, Oregon. As part of the support, 3U is providing: transmission cable design and analysis; cable specifications; cable system procurement/delivery; and installation planning and consulting. 3U will provide a Desktop Study to inform the cable route selection process, cable landing surveys and underwater route alignment to alternative onshore locations. The study also includes refinement of budget estimates, preparation of permitting and environmental documentation, community outreach activities, preparation of the marine survey specifications and technical support for the marine surveys.

E. Wayne Hughes, 3U's President/CEO, said, *"We are excited to be a part of NNMREC's effort to establish this essential testing center which will be a milestone in realizing the full potential of the extensive marine energy resources which can play a key role in our energy independence."*

Sean Moran, Ocean Test Facilities Manager, said, *"We are pleased to have 3U's support in shaping the development of PMEC. The 3U team understands our mission, and has the right combination of expertise and innovative spirit to help ensure our projects meet the needs of the industry."*

3U Technologies, LLC a small business that provides marine engineering and design, marine infrastructure consulting, technical analysis and modeling, international business consulting, and project management services to commercial and government clients. 3U provides mechanical, electrical and controls system engineering for underwater/offshore working systems, subsea power, fiber optic cable systems, and marine installation consulting to the offshore alternative energy and oil & gas industries. 3U personnel have over 25+ years of experience working offshore and underwater. This experience includes planning and estimating of installation activities; engineering analysis and design; specifying and installation support for subsea cables; cable landing site identification, surveys, and permitting; customer representation; maintenance/repair planning; and offshore operations and installation support.

The **Northwest National Marine Renewable Energy Center (NNMREC)**, a collaboration between Oregon State University and the University of Washington, is in the process of developing the first utility-scale, grid connected, wave energy test site in the US – PMEC-SETS. Subsea transmission cables will transmit the generated power to the local power grid with empirical data sent to scientists, engineers, and device owners for analysis and evaluation. NNMREC also operates a non-grid connected test site – PMEC North Energy Test Site (NETS), where developers can test energy generation potential and environmental impacts of wave energy devices, as well as research innovative concepts that will advance the industry. NNMREC is primarily funded through the US Department of Energy.

For further information contact Don Welch at dwelch@3utech.com (mobile: 301-452-3152) or visit www.3utech.com