Thailand florida microgrids

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Eco Wave Power (EWP) Global, a publicly traded onshore wave energy company, has won a ?1.5 million grant as part of a consortium led by Toshiba (U.K.) and Aquatera (U.K.) to design a pilot microgrid project for a remote island in Thailand.

The ?1.5 million grant is part of Innovate UK’s Energy Catalyst program Round 10, which supports U.K. and international businesses and organizations in developing market-focused technologies that provide clean, affordable and accessible energy.

The consortium is led by Toshiba Europe Ltd. and Aquatera Ltd., and includes Hitachi Energy Ltd. and teams from the University of Manchester, the University of Exeter, the Asian Institute of Technology (AIT), and the Queen Mary University of London. The consortium will utilize the onshore wave energy converters (WECs) developed by EWP and implement advanced technology developed by the corporate partners and the university teams.

The Thai electrical state enterprise, the Provincial Electricity Authority, will act as the microgrid operator on the island and minimize the capital cost of electricity to provide an electricity tariff, as inexpensive as monthly mobile charges, without incurring any asset ownership and maintenance costs for residents.

Aquatera, in close collaboration with AIT, will be active in seeking further private and public investment for similar pilot projects in Thailand’s islands and neighboring Southeast Asian countries with excellent potential for wave energy pilots.

Bramble Energy"s PCB Fuel Cell is designed to provide a zero-emission alternative for diesel-powered vehicles and portable generators that can be made up by printed circuit board factories around the world to save costs and time to market.

OSIL have announced a new addition to their Marine Snow Catcher / Microplastics Sampler family. These samplers can facilitate a greater understanding of the export processes of the oceanic organic carbon and nutrient cycles. This can help to predict how these processes may change in the future.

For more than 63 years, Sea Technology has been the marine industry"s recognized authority on the design, science, technology, and engineering of equipment and services in the global ocean community.

Eco Wave Power Global (EWP) has secured a EUR1.5 million grant as a part of a consortium led by United Kingdom-based Toshiba and Aquatera, to design a pilot microgrid project in Thailand. The consortium consists of Toshiba, and Aquatera, Hitachi Energy, the University of Manchester, the University of Exeter, the Asian Institute of Technology (AIT), and Queen Mary University of London (QMUL).

The consortium will utilise onshore wave energy converters (WECs) developed by EWP and implement technology developed by the other consortium partners. Additionally, the project will include the development and deployment of predictive control systems, a radar system to forecast wave heights, an AI-based load and generation prediction system, and a wireless energy management system to provide electricity without lithium-ion batteries.