

PIENAAR ENERGY (PTY) LTD

Microgrid New Blue Ocean Project



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DC Hydrogen Microgrids

The project is linked to the major demonstration project being carried out by the Blue Economy CRC to build a hydrogen microgrid at first onshore, with a 700-kW electrolyser, then offshore.

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US DOE Invests \$10M in 7 Marine Energy Technologies Projects

The United States Department of Energy (DOE) announced it is investing nearly \$10 million in seven projects developing and testing energy technologies that utilize marine energy resources, such as ...

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Framework for integrating ocean wave power into maritime microgrids

The present study develops a framework and methodology for integrating ocean wave power into maritime microgrids operating on hybrid renewable energy systems. It investigates the ...

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Ocean Energy Is Almost Ready, But It Needs a Boost Over the

...

Developers need a lab-sized ocean to test those theories before they head to the big blue. That is why Lydon and her colleagues recently found themselves kneeling on wet concrete in NRELs ...



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First-Ever Grid-Scale Wave Energy Device Funded ...

Funded by the US Department of Energy and developed by the Irish ...

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U.S. Navy and NORESKO Celebrate Completion of Microgrid Project ...

The new cybersecure microgrid system was installed as part of a modification to the existing ESPC project which already provides 10.75 MW of electrical power generation capacity and generates ...



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First-Ever Grid-Scale Wave Energy Device Funded by the US ...



Funded by the US Department of Energy and developed by the Irish energy company Ocean Energy USA LLC, the massive energy harvesting device they call OE-35 is designed to capture the energy ...

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Powering the Blue Economy: Supporting Foundational Research

Researchers are investigating more efficient power systems for marine energy technologies, characterizing the potential of using ocean thermal and salinity gradients to charge autonomous ...

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Integrated Wave Energy Microgrid Design

Project Aquagrid was designed and implemented as an applied research project to investigate the addition of ocean energy generation into a microgrid energy system to provide a clean energy ...

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BLUE Aims to Capture, Convert Ocean Energy with Low ...

If the 30-month BLUE program is successful, DARPA will demonstrate a novel, persistent, sustainable, low-environmental impact power supply that provides ultralong endurance ...

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Mocean Energy , Our pioneering wave energy converter technology

We have two wave energy technologies: (1) the Blue Star, a commercially ready device that powers a range of subsea equipment, inspection and maintenance systems; and (2) the Blue Horizon, a larger ...

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