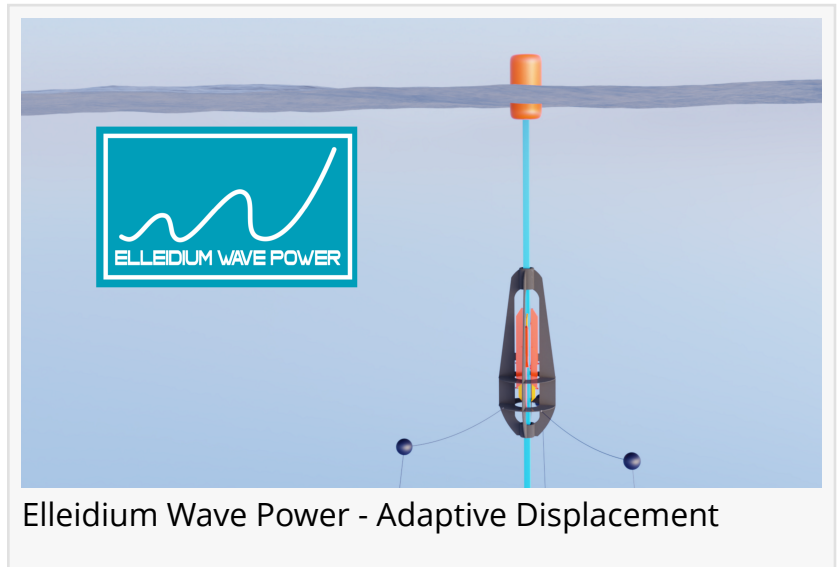


Elleidium Wave Power demonstrates new approach to wave energy with prototype that moves twice the height of each wave

Elleidium Wave Power is a startup developing a new technology for wave energy conversion: Adaptive Displacement

MILDENHALL, SUFFOLK, UK, May 10, 2023 /EINPresswire.com/ -- Elleidium Wave Power's new wave energy technology Adaptive Displacement has been successfully demonstrated with a fully functional 1:25 scale prototype.

The new prototype performed in line with Elleidium's modelling predictions and produced a reliable and repeated amplification of the wave energy converter's vertical movement to twice that of the incident wave height for each passing wave.



Wave energy as a global resource has immense potential to help enable our transition to a zero carbon economy, with both a higher energy density than either wind or solar and a predictable near constant annual output.

“

When it comes to wave power and it's place in the net zero energy mix, we need to find a practical and cost-effective solution ... Adaptive Displacement has the very real potential to be that solution”

*Jessica Fowler, Founder,
Elleidium Wave Power*

Elleidium Wave Power is taking a previously uncharted approach to finding a dependable and cost effective solution to harnessing the power of our oceans: Adaptive Displacement, which uses modular and configurable displacement adapters to actively adjust the displacement of the device as the wave energy converter is moved by passing waves.

Adaptive Displacement can be implemented using simple low cost components and requires no wave prediction instruments or complex control systems

in order to achieve a consistent and repeatable amplification of device movement and power production.

“When it comes to wave power and its place in the net zero energy mix, we need to find a practical, efficient, and cost-effective solution. As this prototype demonstrates, Adaptive Displacement has the very real potential to be that solution” - Jessica Fowler, Founder of Elleidium Wave Power.

Elleidium Wave Power's fully functional prototype has validated the theory and the modelling that led to the technology's initial development, both doubling the physical movement of the device to twice that of the wave height and significantly increasing the device's electricity production for each passing wave.

About Elleidium Wave Power:

Elleidium Wave Power is a newly launched startup committed to the effort of achieving the global net zero transition and finding workable and sustainable carbon free solutions to our world's increasing energy needs. Elleidium Wave Power is developing a new technological approach to wave energy, one aimed at producing environmentally and commercially sustainable zero carbon electricity from our world's oceans.

For more information please visit:

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