



2022 Fact Sheet

CalWave Power Technologies Inc. is a wave energy developer based in California.

Our mission is to provide reliable, cost-effective ocean wave technologies for sustainable energy access. Our vision is to unlock the power of ocean waves to secure a clean energy future.

We stand with the industry's efforts calling for domestic marine energy deployment targets of at least 500 MW by 2030 and 1 GW by 2035.

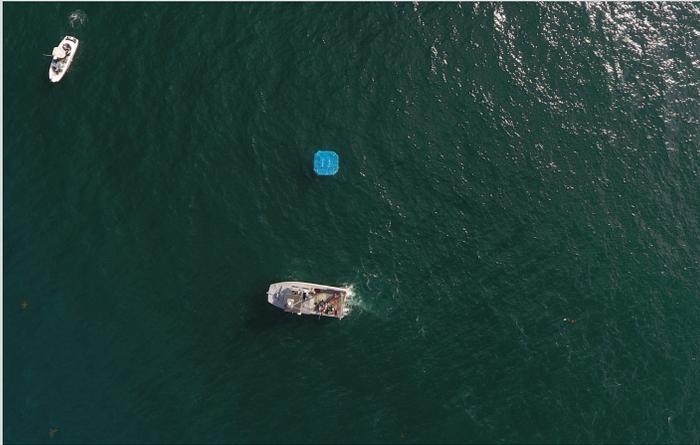
Our award-winning, proprietary wave energy converter (WEC) technology, called xWave™, has broken through the fundamental challenge of unlocking wave power.

The xWave™ architecture achieves the **highest efficiency** by **operating fully autonomously** and **fully submerged**. Unlike many other technologies that extract wave energy at the ocean surface, our device's refined approach enables **several improved operating abilities**: it survives stormy seas and extreme conditions, permits energy capture from multiple degrees of freedom, allows for precise control of structural loads, and causes no visual pollution.

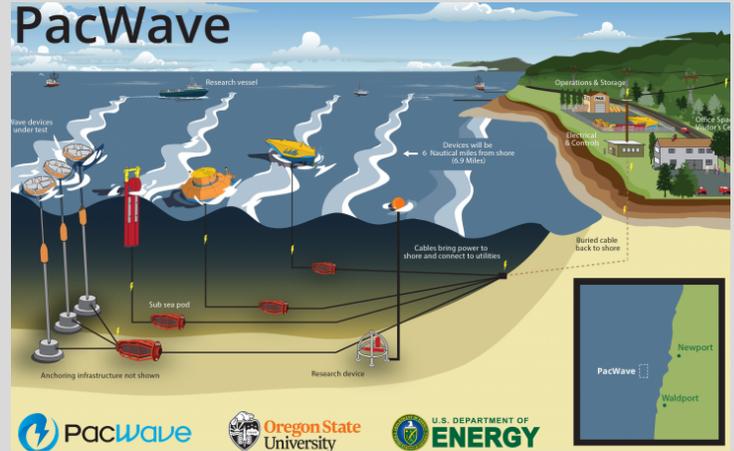
Major Milestones

- **2012-2013:** CalWave's inception and start of its patent family at UC Berkeley, Mechanical Engineering.
- **2013:** Announced as semi-finalists for MIT's Clean Energy Prize.
- **2016:** Graduated from Cyclotron Road, and was awarded the Department of Energy's (DOE) US Wave Energy Prize.
- **2017:** Awarded a multi-million dollar demonstration contract by the US DOE and received support by Breakout Labs, Autodesk, and the Sustainable Ocean Alliance.
- **2019:** CalWave received two additional multi-million dollar awards by DOE to 1) build a commercial scale drive train and 2) design the next generation of our submerged pressure differential WEC. Additional investments received from High Tide Foundation and others.
- **2020:** CalWave's xNode technology was awarded the Grand Prize of the discovery stage of the Ocean Observing Prize. CalWave was selected to join Greentown Labs and present at Climatetech Summit.
- **2021:** CalWave successfully commissioned California's first in-sea, long-duration demonstration of a fully submerged wave energy system and was selected to join the Launch Alaska Accelerator, Scripps Institution of Oceanography's StartBlue Accelerator, and Google's Startup Advisor: SDG Program.
- **2022:** CalWave was awarded \$7.5M from the U.S DOE to further develop its xWave™ technology for use on local energy grids and microgrids. CalWave will build the xWave™ and deploy the unit at PacWave South, the nation's first accredited, grid-connected, pre-permitted, open-water wave energy test facility.
- **Present:** CalWave is working to bring its xNode™ series to market, a multi-kW system designed to provide access to power and data for offshore end-users.

Projects in Our Pipeline



We successfully deployed our wave energy converter technology on September 16th off the coast of San Diego. This milestone event marks the beginning of California's first at-sea, long-duration wave energy pilot.



Following our pilot demonstration, CalWAVE plans to prepare for deployment of a larger unit at PacWave - the first commercial-scale, utility grid-connected wave energy test site in the U.S., expected to start operating in 2023.

Thank You to Our Partners



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