



OceanBased
Perpetual Energy
OceanBased.energy

It's a game-changer! 24-Hour, Perpetual Clean Power from the Gulf Stream

OceanBased Perpetual Energy, in collaboration with the U.S. Department of Energy's Southeast National Marine Renewable Energy Center at Florida Atlantic University completed the first-ever Gulf Stream Power Demonstration in May 2020. OceanBased produced clean, perpetual energy from the strong Gulf Stream current with 3 different turbine configurations, and also produced power for a continuous 24 hour period using only the current's natural motion.

Why the Florida Gulf Stream?

Consistent velocity and direction of the current, proximity to population centers, favorable topography and geophysical properties are among the compelling reasons

How will this power be used?

Early Phases plan to produce green hydrogen from sea water. Later phases would export power to shore for hydrogen production or connection to the grid



How much clean power can OceanBased generate?

In excess of 5 GW of power can be extracted to power over 3.5 million homes or produce 821 million kilograms of green hydrogen each year

**Onshore Substation/
Hydrogen Electrolyzer Plant**



What are OceanBased's commercialization plans?

Phase 1 will include a mobile 1 MW Full Scale Demonstration and offshore green hydrogen production followed by a 5 MW permanently anchored array demonstration.

Phase 2 will begin commercialization in 100 MW segments with export cables to an onshore green hydrogen plant and grid connection.



Sub Sea Substation



Ocean Current Energy Converters