

Ocean Could Help with Green Energy

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各位老師，各位同學，大家午安，我是 806 林榆芸，我是今天的英文小達人，今天，我要為大家播報的內容，是 Ocean Could Help with Green Energy

Storing green energy is important because nature does not always deliver wind or sun when electricity is needed. Researchers think the problem can be solved under the sea. Offshore wind farms could use seawater to store energy until it is needed.

The Dutch company Ocean Grazer has a solution they call the "ocean battery." It has huge flexible bladders on the seabed, which are filled with seawater by the wind farm. When power is needed, the pressure of the ocean squeezes the water through a system on the seafloor that includes turbines, producing electricity.

The main problems with storage systems involving some type of battery are that they are expensive and pose the risk of leaks or contamination in an ocean environment.

This system is similar to how hydroelectric dams work. Other initiatives are trying similar systems, such as FLASC in Malta and StEnSea (Stored energy in the sea) in Germany.

Bliek, the Ocean Grazer CEO, sees storage systems as key for renewables. He said undersea systems create a system that is about 80 percent efficient in storing energy using the pressure below the ocean that is free.

Energy storage through pressure is not new, but pairing it with green energy sources has major potential. Using systems like the "ocean battery" for something as big as an electricity grid is still years away.

Thanks for your listening. See you next time!