

What is the Ocean Grazer?

The Ocean Grazer is a conceptual energy collection platform, projected to house several renewable energy generation modules, including wave energy, solar energy and wind energy.

What is Ocean Grazer doing in Sellingerbeetse?

Ocean Grazer is working on developing a pilot project for sustainable energy storage based on hydropower in Sellingerbeetse. This is the first large-scale project featuring Ocean Grazer's underground energy storage technology. Read more below about Ocean Grazer's pilot project in Sellingerbeetse.

What is the Ocean Grazer energy converter?

Unveiled in 2021, the technology can be deployed around offshore wind farms or floating solar, to store excess power generated. The operating principle of the Ocean Grazer energy converter is to store potential energy by creating a hydraulic head, due to the differences in pressure between two reservoirs.

Does Ocean Grazer have a cavern?

Ocean Grazer's system is completely sealed, meaning we construct our "own" cavern. This eliminates risks like soil subsidence or impacts on underground fault lines. The storage capacity of the system depends on its depth. The deeper the vertical shaft can be constructed, the more energy the system can store.

Who develops the Ocean Grazer platform?

The development of the Ocean Grazer platform has been carried out by the University of Groningen in the Netherlands, since 2014, and now by a spin-out company Ocean Grazer BV.

How does Ocean Grazer create local jobs?

roduction of the various components and hence create local jobs. Ocean Grazer works with local partners that utilize the best-in-class production methods to minimize GHG-emissions during the production phase, recollect all valuable materials at the end of life to create a circular economy. All to minimize th

Founded in 2019, Ocean Grazer is a Dutch start-up and a spinoff from the University of Groningen. Our innovative solutions enable us to harvest the full power of the oceans. Our Ocean Battery is the first, scalable, eco-friendly energy storage solution to store renewable energy, where it is produced, offshore.

Overview
Energy converter operation
Potential Challenges
See also
The Ocean Grazer is a conceptual energy collection platform, projected to house several renewable energy generation modules, including wave energy, solar energy and wind energy. The development of the Ocean Grazer platform has been carried out by the University of Groningen in the Netherlands, since 2014, and now by a spin-out company Ocean Grazer BV. The concept of the platform is currently on its version 3.0 centering on the modular design as op...

The Ocean Grazer B.V. company develops the Ocean Battery, a breakthrough solution based on proprietary key enabling technology to solve the huge challenge of balancing supply and demand for the global offshore wind industry due to intermittent production of wind power.

OCEAN BATTERY At Ocean Grazer we transformed pumped hydro storage technology into a storage solution that is embedded into the seabed with identical functionality and performance. With one big difference the hydrostatic pressure comes for free, we don't need to build an entire hydro dam. A. Rigid Reservoir Concrete reservoirs buried in the seabed

Ocean Grazer is working on developing a pilot project for sustainable energy storage based on hydropower in Sellingerbeetse. This is the first large-scale project featuring Ocean Grazer's underground energy storage technology.

The Ocean Grazer is a conceptual energy collection platform, projected to house several renewable energy generation modules, including wave energy, solar energy and wind energy. The development of the Ocean Grazer platform has been carried out by the University of Groningen in the Netherlands, [1] since 2014, and now by a spin-out company Ocean ...

