

Subsea energy storage is an emerging and promising alternative to conventional floating onboard energy storage. In this review, various potential subsea electricity and hydrogen energy ...

That's exactly what researchers at Germany's Fraunhofer Institute are exploring, with plans underway to submerge massive concrete spheres in the ocean, offering a sea-based ...

The funding round, led by Playground Global, follows successful testing at the Maritime Research Institute Netherlands (MARIN) and the launch of new sea trials off the coast of Reggio ...

By harnessing gravity and ocean depth, it can store and release gigawatt-scale power without the land use or environmental impact of onshore hydro projects. Here's a video explaining ...

Sizable Energy has a plan to store excess renewable energy in flexible reservoirs out at sea. The startup has raised \$8 million to test prototypes.

New designs continue to emerge, and the trend for electrification, batteries, and new fuels is extending beyond smaller and short-sea vessels.

Shortages in critical raw materials, environmental impact, energy loss, and costs are some of the challenges to large-scale deployment. The blue economy promises opportunities for ...

This new buoyancy energy storage system harnesses a powerful force familiar to anyone who's tried to hold a beach ball underwater, and it could offer grid-scale energy storage cheaper than batteries- as ...

But here's the kicker: intermittent power generation remains the Achilles' heel of marine renewables. Imagine harnessing the North Sea's relentless winds or the Bay of Bengal's tidal surges, only to lose ...

The StEnSea Project Grid-scale energy storage requires land, and when that's scarce, where do we go next? The ocean, says Fraunhofer. The StEnSea system is a submerged-beneath ...

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