



Energy storage concrete U S Outlying Islands

EPRI, Southern Company and Storworks have completed testing of a concrete thermal energy storage pilot project at a gas plant in Alabama, US, claimed as the largest of its kind in the world. The companies announced the completion of testing at the project, located at the Ernest C. Gaston Electric Generating plant in Alabama, last week (16 May ...

Westinghouse Electric Company secures \$325 million in US government funding to develop a groundbreaking 1.2GWh energy storage facility in Alaska. The project, set to be America's largest, will use innovative ...

A new US energy storage project will adapt the power of pumped storage hydro to subsea locations near offshore wind farms and energy-hungry coastal cities, leveraging 3-D printing...

A startup called Energy Vault is working on a unique storage method, and they must be on the right track, because they just received over ...

Electron-conducting concrete combines scalability and durability with energy storage and delivery capabilities, becoming a potential enabler of the renewable energy transition. In a new research brief by the CSHub and MIT ec³ hub, we explore the mechanics and applications of this technology. Read the brief.

A startup called Energy Vault is working on a unique storage method, and they must be on the right track, because they just received over \$100 million in Series C funding last week. The method was inspired by pumped hydro, which has been around since the 1920s and uses surplus generating capacity to pump water up into a reservoir.

Energy storage and building materials merge in a new rechargeable battery technology engineered at Chalmers University of Technology, Sweden. The functional cement-based battery multitasks as a sustainable structural ...

Westinghouse Electric Company secures \$325 million in US government funding to develop a groundbreaking 1.2GWh energy storage facility in Alaska. The project, set to be America's largest, will use innovative "concrete batteries" to support wind power generation.

Battery Energy Storage Pairs with Solar Energy to Bring Independence and Reliability to a Remote Archipelago. An ocean lies between the San Juan Islands and the main source of its power.

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When incorporated into an island's grid, energy storage systems can support renewable energy integration, deliver frequency regulation and provide spinning reserve in lieu of expensive peaker power plants.

The Electric Power Research Institute (EPRI) said it will lead a \$5 million pilot project to test concrete thermal energy storage (CTES). Participants will design, construct and test a CTES system to demonstrate the technology's potential to store thermal energy for conversion to electricity when integrated with thermal power units.

Sperra, developer of a subsea pumped storage hydropower (SPSH) concept based on 3D-printed concrete spheres, has secured a \$4 million U.S. Department of Energy (DOE) Water Power Technologies Office grant to demonstrate a 10-meter diameter, 500kWh/600kWh unit off the southern California coast.

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