

Updated 1st July 2025 - The Red Sands Battery Energy Storage System (BESS), set to be Africa's largest of its kind, has officially reached commercial close. Developed by Globeleq, which is 30% owned by Norfund, in partnership with ...

While most of the world's vanadium is used to strengthen steel for construction, automotive, aviation, pipeline, and tooling applications, its future demand potential also lies in grid-scale ...

Focused on sustainability and innovation, esVolta develops, owns, and operates reliable utility-scale energy storage assets across the entire lifecycle - delivering value for utilities, energy users, and investors.

Country: USA Advanced Rail Energy Storage (ARES) provides a deployable solution for grid-scale energy storage. ARES mission is to enable the electric grid to integrate unprecedented amounts of clean, environmentally ...

A global developer of grid-scale energy storage projects said it has closed project financing and completed a 10-year offtake agreement for a battery energy storage system (BESS) installation in ...

Aputura has received planning consent to build a new 'grid-scale' 560 megawatt battery energy storage system near Clydebank in West Dunbartonshire. Aputura has now secured permission ...

The electrochemical energy storage (EES) market is experiencing robust growth, driven by the increasing demand for renewable energy integration, grid modernization, and the electrification ...

Energy Storage Systems (ESS) are critical to the modern energy infrastructure, providing the ability to store electricity and deploy it when needed. These systems play a vital role in...

Grid-scale energy storage is not new -- pumped storage hydropower (PSH) has been used for more than a century to provide large-scale and long-duration energy storage. PSH operates by...

Green hydrogen, produced via renewable-powered electrolysis, offers a promising path toward deep decarbonisation in energy systems. This study investigates the major technological, infrastructural, and economic challenges facing green ...

The storage facility enhances the province's grid by adding capacity and reliability to support the rising demand for energy, and doubling the amount of energy storage resources from 225 MW ...

In this video, we explore how brick batteries and crushed volcanic rock batteries are transforming energy



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storage. While lithium-ion batteries have dominated the grid-scale market, they face ...

In June 2025, a fire erupted at the Moss Landing battery storage facility in California--one of the largest grid-scale lithium-ion installations in the United States. The incident triggered ...

Zenobe Energy Funding: \$2.9B Zenobe Energy is the largest independent owner and operator of battery storage in the UK. It buys and manages grid-scale batteries for its commercial customers, such as utilities ...

General Motors and Redwood Materials, a leading battery recycling and energy storage company founded by Tesla co-founder JB Straubel, announced a new collaboration on Tuesday aimed ...

The challenge with Renewable Energy sources arises due to their varying nature with time, climate, season or geographic location. Energy Storage Systems (ESS) can be used for storing available energy from Renewable ...

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HyperStrong and Repono AB have formalised their strategic collaboration through a Partnering Agreement on 23 June, aimed at jointly advancing 1.4GWh grid-scale energy storage projects ...

Global leading energy storage company, Jinko ESS, a subsidiary corporation of Jinko Solar Co., Ltd., today announced to have secured a 5MWh grid-scale energy storage projects in Italy, ...



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