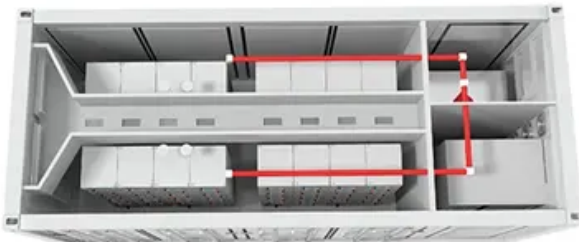


New chemical energy storage project



Overview

Oilfield services company NOV has launched a joint industry project (JIP) with Norwegian state-owned energy firm Equinor and Brazil's oil & gas company Petrobras to work together on qualifying subsea chemical storage technology toward field deployment. The Department of Energy (DOE) Loan Programs Office (LPO) is working to support deployment of energy storage solutions in the United States to facilitate the transition to a clean energy economy. Accelerated by DOE initiatives, multiple tax credits under the Bipartisan Infrastructure Law and . Element Resources will use solar power and battery storage to ensure 24/7 production. The green hydrogen plant will get its power entirely from onsite solar and long-duration battery storage. Image: Element Resources Element Resources is investing \$1.85 billion in what is planned to be North . From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid. In response to rising demand and the challenges renewables have added to grid balancing efforts, the power industry has seen an uptick in . These startups develop new energy storage technologies such as advanced lithium-ion batteries, gravity storage, compressed air energy storage (CAES), hydrogen storage, etc Recurrent Energy, a subsidiary of Canadian Solar Inc. 7 GWh of storage was deployed in the first half of 2025, up 54% from last year, and the pipeline for the full year already exceeds 412 GWh.

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[10 cutting-edge innovations redefining energy storage solutions](#)

From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid.

[New joint project aims to bring subsea chemical storage technology to](#)

Oilfield services company NOV has launched a joint industry project (JIP) with Norwegian state-owned energy firm Equinor and Brazil's oil & gas company Petrobras to work



Top 109 Energy Storage startups 2026

These startups develop new energy storage technologies such as advanced lithium-ion batteries, gravity storage, compressed air energy storage (CAES), hydrogen storage, etc.

ENERGY STORAGE PROJECTS

Accelerated by DOE initiatives, multiple tax credits under the Bipartisan Infrastructure Law and Inflation Reduction Act, and decarbonization goals across the public and private sectors, energy storage will



US bets on new lithium extraction technology

The US Department of Energy (DOE) has



Research , Energy Storage Research , NLR

Learn more about the innovative energy storage projects happening at NLR. NLR's electrochemical storage research ranges from materials discovery and development to advanced

committed to a \$1.4 billion loan for a project that will use an emerging technology to separate lithium from geothermal brines in California.



[Largest hydrogen plant in North America slated for California](#)

Element Resources is investing \$1.85 billion in what is planned to be North America's largest hydrogen production facility. Construction on the Lancaster Clean Energy Center (LCEC),

The Top 20 Largest Electrochemical Energy Storage Projects

Below is a list of the top 20 operational electrochemical energy storage projects worldwide, ranked by their energy storage capacity in megawatt-hours (MWh), showcasing the cutting-edge



Top 5 Largest Upcoming BESS Projects in the World 2026

Discover the world's biggest battery storage projects of 2025, including BYD's 12.5 GWh system in Saudi Arabia, Greenergy's 11 GWh Atacama project, and more shaping the global energy transition.

long-duration-energy-storage-2024

This report summarizes four recent pilot projects, highlighting their technological processes, performance and cost metrics, and potential viability as demonstrated through fieldwork of these



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