



# New energy storage accelerates its outbreak





## Overview

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Energy Dome began operating its 20-megawatt, long-duration energy -storage facility in July 2025 in Ottana, Sardinia. In 2026, replicas of the system will begin popping up on multiple continents. This giant bubble on the island of Sardinia holds 2,000 tonnes of carbon dioxide.

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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.

Massachusetts's Department of Energy Resources (DOER) has completed the evaluation of bids received in response to the Section 83E Storage request for proposals (RFP), selecting projects totalling 1,268MW of energy storage capacity. Investor-owned utility (IOU) Portland General Electric (PGE) has.

The US battery storage sector is on a remarkable trajectory, rapidly deploying utility-scale systems to manage the growing influx of intermittent solar and wind power. This massive capacity addition is fundamentally reshaping the power grid by providing essential flexibility and resilience.

In 2024, energy storage became one of the most dynamic and consequential forces shaping the U.S. energy transition. According to a 2025 Cleanview report, the country installed a record-breaking 48.2 gigawatts (GW) of utility-scale solar, wind and battery storage capacity—a 47% increase over the.

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The installation would be the Canadian company's first grid-scale deployment of its



“advanced compressed-air energy storage” technology. Add us as a Google Preferred Source to see more of our articles in your search results. A rendering of Hydrostor’s 500 MW/4 GWh Willow Rock Energy Storage Center.



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### Hydrostor secures key permit for 500 MW, 8-hour California energy

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### US Grid Storage Deployment Accelerates, Securing Future ...

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### How energy storage could solve the growing power crisis in the U.S.

With these reforms, energy storage can scale to meet the moment: strengthening the grid, lowering costs and securing America's energy future. These steps are not optional--they ...

### Global Energy Storage Boom: Three Things to Know

Despite policy headwinds earlier in the year, energy storage additions in China and the US are set to continue growing this decade. The removal



of storage mandates in China for ...



### **US energy storage set a new record in Q1 2025 but the future ...**

US energy storage set a Q1 record in 2025 with 2 GW added, but looming policy changes could put that growth at serious risk.

### [CO2 Batteries That Store Grid Energy Take Off Globally](#)

These innovative CO2 batteries from Energy Dome promise long-duration energy storage for the grid, and reliable 24/7 clean power for data centers.



### **10 cutting-edge innovations redefining energy storage solutions**

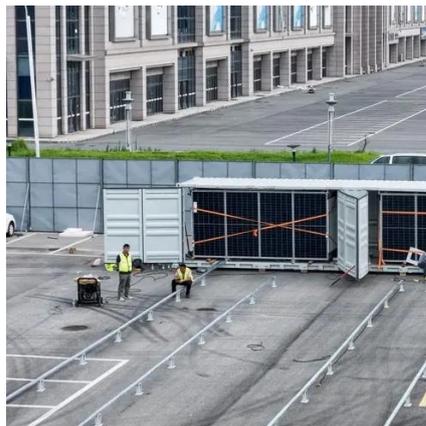
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## 10 cutting-edge innovations redefining energy ...

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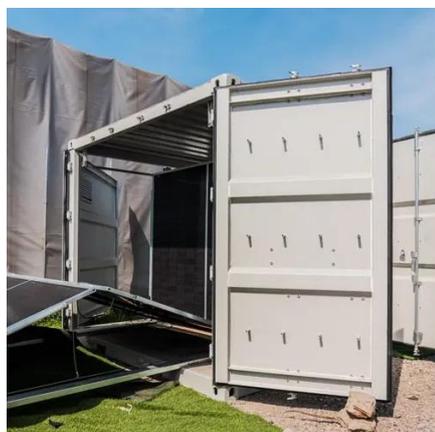


## **First Bulk Energy Storage Solicitation Announced As Part of New ...**

Governor Kathy Hochul today announced the launch of New York's first Bulk Energy Storage Request for Proposals (RFP), intended to procure one gigawatt (GW) of bulk ...

## **US Energy Storage Installations Reach New Quarterly Record in ...**

While early adopters continue leading in deployment, activity across the country shows clear demand for utility-scale energy storage as a solution to rising electricity prices and ...



## **Global news, analysis and opinion on energy storage innovation ...**

We need to think more deeply about thermal energy storage as a pathway to industrial decarbonisation and managing electricity costs, writes Pasquale Romano, CEO of Redoxblox.



## Contact Us

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