Energy storage power station investment tens of millions of projects

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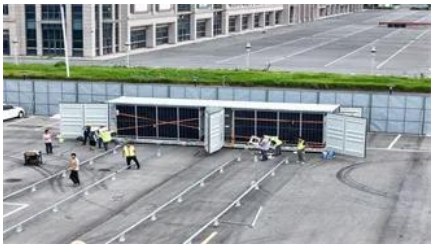

Global Energy Storage Boom: Three Things to Know

Global energy storage additions are on track to set another record in 2025 with the two largest markets - China and US - overcoming adverse policy

Next-generation geothermal energy: Promise, progress, and challenges

Geothermal energy, a clean, continuous energy source accessible in many locations, has been slow to catch on. Nearly 2,000 years ago, the Romans made extensive use of geothermal

A new approach could fractionate crude oil using much less energy

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil

Energy , MIT News , Massachusetts Institute of Technology

Massachusetts Clean Energy Center CEO MBA '12 Emily Reichert highlights the state government's unique approach to fostering and keeping clean energy innovation.

Energy Storage Investments

Estimates indicate that global energy storage installations rose over 75% (measured by MWhs) year over year in 2024 and are expected to go beyond the terawatt-hour mark before 2030.

[Study: Fusion energy could play a major role in the global response to]

Investigators in the MIT Energy Initiative and the MIT Plasma Science and Fusion Center have found that - depending on its future cost and performance - fusion energy has the potential

We're about to see a $1 trillion 'super-cycle' of

After record growth in 2024, U.S. battery energy storage systems (BESS) could grow from more than 26 gigawatts (GW) of capacity-enough to

[Top 7 Battery Energy Storage System (BESS) Projects in the USA 2026]

Discover the largest battery storage projects in the U.S. for 2025, including Darden, Bellefield, and Swiftsure.

Making clean energy investments more successful

New research emphasizes the importance of well-validated models and forecasting tools in evaluating choices for investments in clean energy technologies and policies by governments and

ENERGY STORAGE PROJECTS

Accelerated by DOE initiatives, multiple tax credits under the Bipartisan Infrastructure Law and Inflation Reduction Act, and decarbonization goals

[How artificial intelligence can help achieve a clean energy future]

A look at how AI can be used to help support the

clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the development of novel

[Meeting Energy Demand: New Projects, Big Investments, and Local]

As load growth accelerates and states race to secure electric power supply, competitive generators across the U.S. are investing in reliable generation capacity, developing clean power

[MIT Energy Initiative conference spotlights research]

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.

[New facility to accelerate materials solutions for fusion energy]

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron proton beam

[MIT engineers create an energy-storing supercapacitor from ancient]

MIT engineers created a carbon-cement supercapacitor that can store large amounts of energy. Made of just cement, water, and carbon black, the device could form the basis for

US Grid-Scale Energy Storage Installations Surge,

According to Wood Mackenzie's five-year outlook for the U.S. energy storage market, total U.S. storage deployments will grow 42% between 2023

Explained: Generative AI's environmental impact

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.

Today in Energy

In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already achieved record growth in 2024

U.S. Grid Energy Storage Factsheet

The U.S. has 431 operational battery energy storage projects, 8 using lead-acid, lithium-ion, nickel-based, sodium-based, and flow batteries. 10 These projects

Energy storage

The most significant investment in new pumped-storage hydropower capacity is currently being undertaken in China: Since 2015, the vast majority of final

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