

European New Energy Storage Projects





Overview

How many energy storage projects are there in Europe?

There are 147 energy storage projects under construction in Europe, with a total capacity of 14 GW, according to the European Energy Storage Inventory, launched by the European Commission. The European Energy Storage Inventory comprises operational, under construction, permitted, and announced energy storage projects across Europe.

What is the European energy storage inventory?

The European Energy Storage Inventory, developed by the Joint Research Centre (JRC) of the European Commission, is a new interactive platform that maps and analyzes over 1771 energy storage projects across Europe.

How is the EU advancing energy storage technologies?

The EU is advancing several key projects and initiatives in the energy storage field to boost renewable energy integration, stabilize the grid, and support clean energy goals. These initiatives and projects highlight the EU's commitment to advancing energy storage technologies and integrating renewables into the energy grid.

Why is energy storage growing so fast in Europe?

The fleet of energy storage projects in Europe, including both pumped hydro and battery energy storage systems of all sizes, is expanding rapidly. This growth is set to continue at a strong pace through 2030, fueled by technological advancements, supportive policies, and other key factors.

How big is energy storage in Europe in 2024?

Pumped-hydro storage (PHS) dominated the market, accounting for 53 GW of total capacity. Meanwhile, electrochemical storage reached 35 GW, with many installations in homes and businesses. Large-scale thermal projects accounted for around 1 GW. The rate of energy storage adoption varied across European



countries in 2024. Image: EASE.

Is energy storage a good investment in Europe?

Compared to classic renewables, energy storage has really only become an investable asset in Europe over the last few years on the back of technology advances, market price signals, and government support mechanisms.



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New EU Tool Tracks Real-Time Energy Storage Across Europe

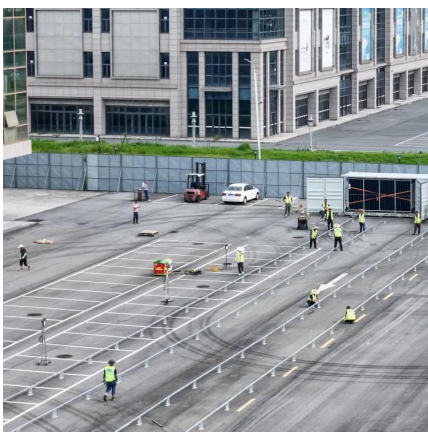
A new interactive platform--the European Energy Storage Inventory --has been launched to provide near real-time insights into energy storage deployment across the EU, ...

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Eastern European New Energy Storage Projects Trends and ...

Summary: Eastern Europe is rapidly adopting advanced energy storage solutions to support renewable integration and grid stability. This article explores market drivers, key technologies, ...

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EU launches real-time dashboard for energy storage expansion

The goal is to list all planned and operational energy storage projects in Europe by location and technology. The dashboard can be filtered by country, project status and technology.

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[Europe's energy storage fleet reaches 89 GW](#)

The fleet of energy storage projects in Europe, including both pumped hydro and battery energy storage systems of all sizes, is expanding rapidly. This growth is set to continue ...



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[Questions and Answers on the new list of EU energy ...](#)

Half of the 166 projects on the PCI/PMI list focus on better interconnected modern power networks and new energy storage facilities, which are essential for integrating renewables, for reaching ...

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European energy storage: a new multi-billion-dollar asset class

In Europe, the capacity of renewable energy sources is growing very rapidly, while traditional power plants are slowly being decommissioned. That's creating a unique new ...

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HyperStrong accelerates European expansion in Sweden and ...

HyperStrong has announced major breakthroughs in the European market with two projects commissioned in Sweden and Germany. In May 2024, the company kicked off its first ...

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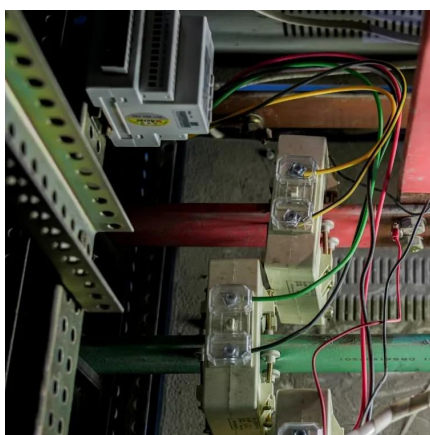




14 GW of energy storage capacity under construction in Europe

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Storage Research Infrastructure Eco-System , StoRIES , Project

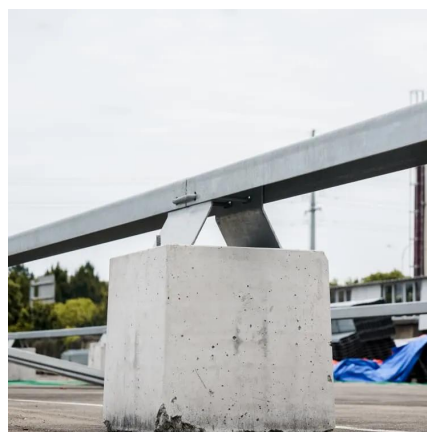
European ecosystem to advance innovation in energy storage devices New energy storage technologies are fundamental for more balanced and flexible grids, for back-up ...

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New EU Platform Highlights Over 1771 Energy Storage Projects

The European Energy Storage Inventory, developed by the Joint Research Centre (JRC) of the European Commission, is a new interactive platform that maps and analyzes over 1771 energy ...

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The European Energy Storage Inventory: A comprehensive ...

Structure and functionality of the European Energy Storage Inventory The European Energy Storage Inventory presents itself as an interactive and user -friendly dashboard, which ...

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Europe accelerates renewable energy growth: 89 GW of energy storage

The latest edition of the European Market Monitor on Energy Storage by LCP Delta and The European Association for Storage of Energy (EASE) highlights Europe's rapid expansion in ...

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[New Energy Storage Technologies Empower Energy ...](#)

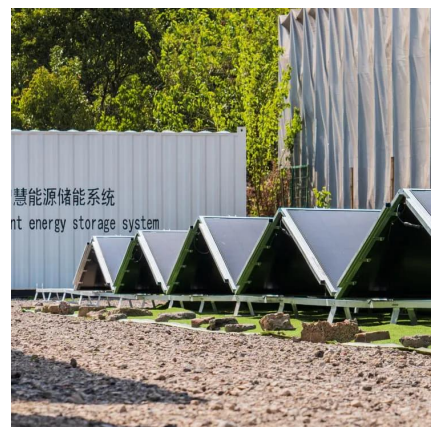
Depending on how energy is stored, storage technologies can be broadly divided into the following three categories: thermal, electrical and hydrogen (ammonia). The electrical category ...

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Energy Storage in Europe: Trends, Projects, and Outlook for 2025

The European energy storage sector is experiencing dynamic growth, aligning with global trends. In 2024 alone, Europe added 19.1 GWh of new energy storage capacity, ...

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7 Game-Changing Energy Storage Technologies Reshaping ...

The European Union's commitment to energy independence and sustainability has catalyzed groundbreaking projects across the continent. Notable achievements include the ...

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