

European Energy Storage Power Station Project





Overview

What is the largest energy storage project in Europe?

Particularly noteworthy is the ambitious project in Alfeld (Lower Saxony), which is considered the largest approved storage project in Europe with a performance of 137.5 megawatts and a storage capacity of 275 megawatt hours.

How many energy storage projects are there in Europe?

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. It lists 32 countries and is led by Germany, with 472 projects. It is followed by the United Kingdom (455 projects), Spain (147 projects) and Italy (112 projects).

How does energy storage work in the EU?

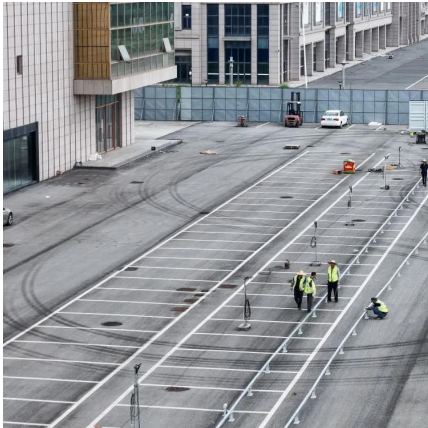
The main energy storage method in the EU is by far 'pumped storage hydropower', which works by pumping water into reservoirs when there is an electricity surplus in the grid - for example on a sunny or windy day - and releasing it when more energy is needed.

What is the European energy storage inventory?

In March 2025, the Commission launched the European Energy Storage Inventory, a real-time dashboard that displays energy storage levels across different European countries. It is the first European-level tool of its kind and offers energy storage data across a full range of technologies.



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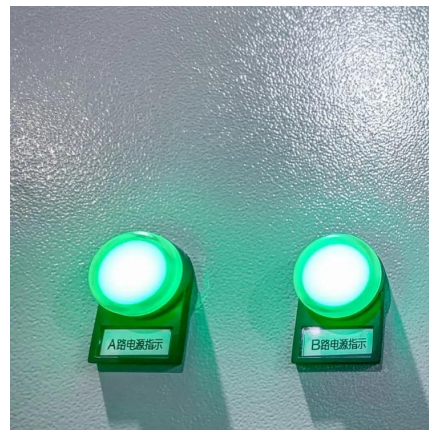


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[The European Energy Storage Inventory: A comprehensive ...](#)

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[New report: European battery storage grows 15% in 2024, EU energy](#)

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[EU launches real-time dashboard for energy storage expansion](#)

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and by ...



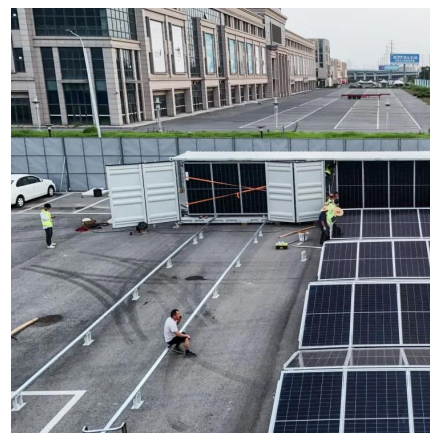
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World's largest sodium-ion battery goes into ...

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[Database of the European energy storage technologies and ...](#)

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[Our Battery-Based Energy Storage projects and achievements](#)

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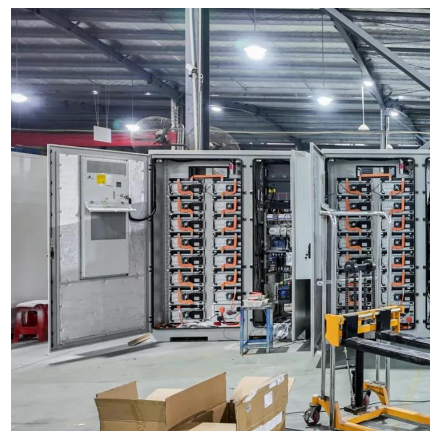


Energy storage

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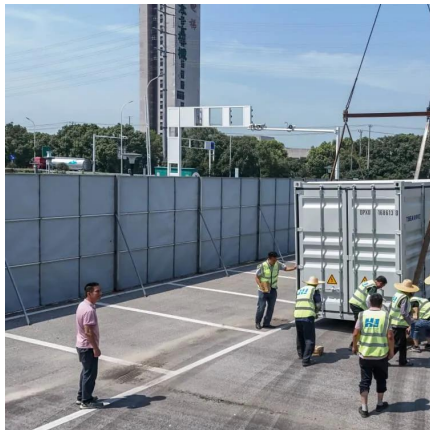
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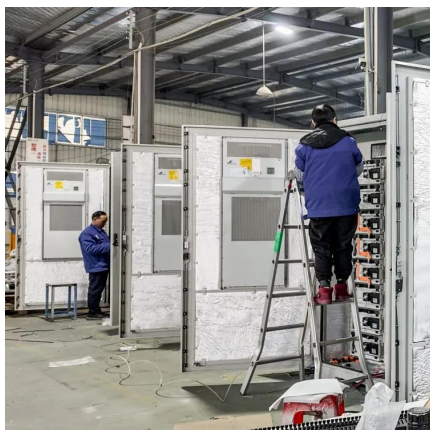


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[New EU Tool Tracks Real-Time Energy Storage Across Europe](#)

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