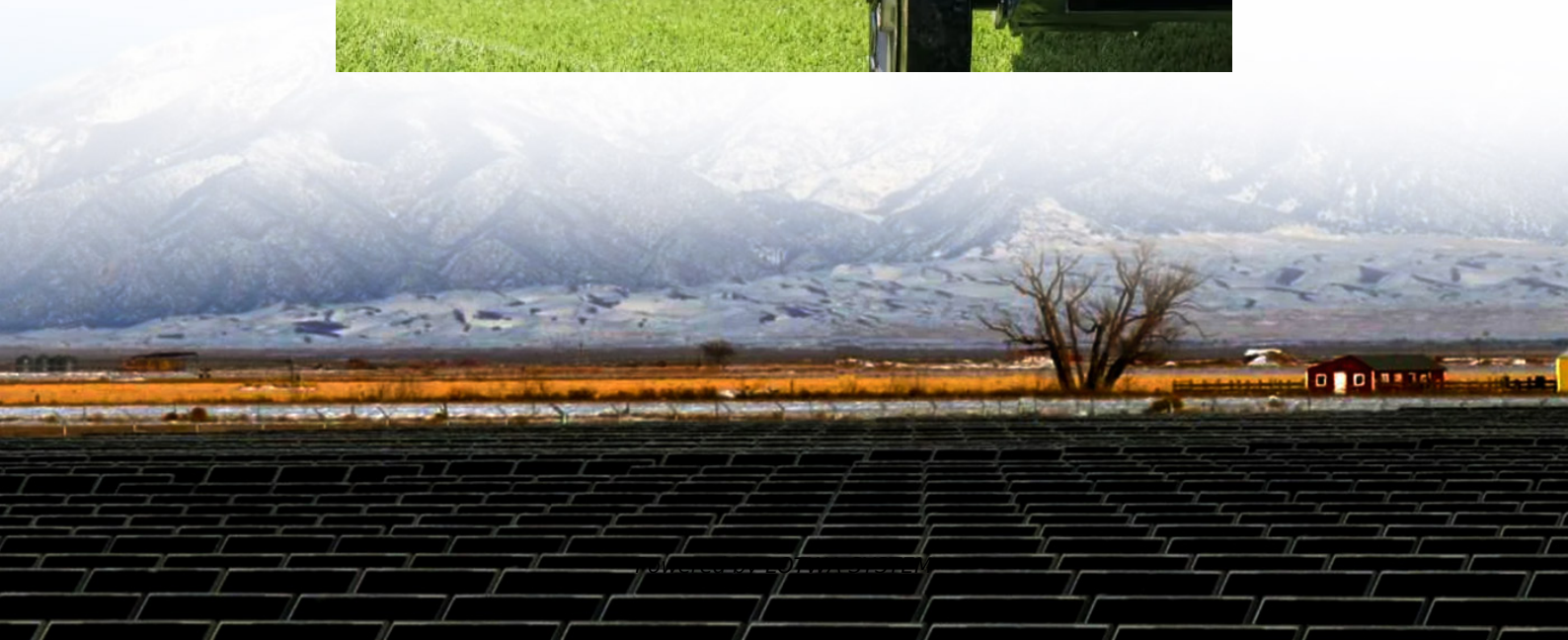


The first energy storage project in the EU





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.

Where is the largest battery energy storage system in Europe?

The largest battery energy storage system in mainland Europe has gone live in Belgium, as Sungrow and ENGIE completed the first 400MWh phase of the 200MW/800MWh Vilvoorde project. Project: ENGIE Vilvoorde Battery Energy Storage System Capacity: 200MW / 800MWh (400MWh Phase 1 online)
Location: Vilvoorde, Belgium.

How many battery energy storage systems were installed in Europe in 2024?

21.9 GWh of battery energy storage systems (BESS) was installed in Europe in 2024, marking the eleventh consecutive year of record breaking-installations, and bringing Europe's total battery fleet to 61.1 GWh. However, the annual growth rate slowed down to 15% in 2024, after three consecutive years of doubling newly added capacity.

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.



The first energy storage project in the EU

Energy Storage Europe , The Unified Voice of ...

In this position paper, the Energy Storage Europe Association calls for a shift from today's "first-come, first-served" queue system to a more efficient, ...

Sungrow and ENGIE complete first 400 MWh of Europe's ...

Amsterdam, September 30, 2025 - Sungrow, global leading PV inverter and energy storage system (ESS) provider, today announced the successful grid connection of the first 400MWh ...

Update on Europe's Largest Battery Energy Storage System ...

Nov 22, 2025 · The largest battery energy storage system in mainland Europe has gone live in Belgium, as Sungrow and ENGIE completed the first 400MWh phase of the 200MW/800MWh ...

EDP Renewables starts first stand-alone ...

Dec 10, 2024 · EDP Renewables has started the construction of its first stand-alone battery energy storage (BESS) project in Europe, a milestone ...

EDP Renewables starts first stand-alone storage project in Europe

Dec 10, 2024 · EDP Renewables has started the construction of its first stand-alone battery energy storage (BESS) project in Europe, a milestone that materializes the companys ...

New report: European battery storage grows 15% in 2024, EU energy

May 7, 2025 · 21.9 GWh of battery energy storage systems (BESS) was installed in Europe in 2024, marking the eleventh consecutive year of record breaking-installations, and bringing ...

Energy Storage Europe , The Unified Voice of Energy Storage

In this position paper, the Energy Storage Europe Association calls for a shift from today's "first-come, first-served" queue system to a more efficient, strategic, and transparent framework that ...

14 GW of energy storage capacity under construction in Europe

Mar 13, 2025 · The European Energy Storage Inventory comprises operational, under construction, permitted, and announced energy storage projects across Europe. A real-time ...

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1 day ago · A demonstration combining tidal power, battery storage, and hydrogen production has been completed in Scotland, marking what is said to be the first time these three technologies ...

EDP begins construction of its first stand-alone storage project in Europe

EDP Renewables has started the construction of its first stand-alone battery energy storage (BESS) project in Europe, a milestone that materializes the company's ambition to continue ...



Energy storage

Aug 17, 2023 · 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 - ...

14 GW of energy storage capacity under ...

Mar 13, 2025 · The European Energy Storage Inventory comprises operational, under construction, permitted, and announced energy ...

The European Energy Storage Inventory: A comprehensive ...

Mar 8, 2025 · Europe's energy storage at a glance, efficient and future-oriented. A comprehensive inventory of energy storage solutions. Data and facts for experts easily ...

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