

Kongres Container

Western European cabinet-type energy storage system project



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 inventory storage dataset?

According to the European Commission, the European Energy Inventory Storage dataset is mainly based on public data and data from Wood Mackenzie. The users can dive into the map of Energy Storage Projects using interactive tools and filter options by status, technology, subtechnology, and more.

How does the European energy storage inventory work?

The European Energy Storage Inventory records projects in 32 European countries and categorizes them according to various criteria. Central classification takes place according to the project status, whereby a distinction is made between plants in operation, announced projects, approved projects, plants under construction and inactive projects.

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 much energy storage will Europe need by 2030?

In a larger context, Europe will need a total of 187 GW of energy storage capacity by 2030, including 122 GW of battery storage capacity. These

ambitious goals underline the central importance of energy storage for the European energy transition and illustrate the enormous economic potential of this sector in the coming years.

Which country has the most energy storage projects?

By far, the largest number of projects are located in the United Kingdom – 66 (6,2 GW). Italy is in second place (with 13 projects totaling 1.7 GW), followed by Germany (19 – 1.6 GW), according to the inventory. European Energy Storage Inventory – projects under construction by country

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