

EUROPEAN ENERGY STORAGE FIELD DEVELOPMENT



How much energy storage will Europe have in 2022? Many European energy-storage markets are growing strongly, with 2.8 GW(3.3 GWh) of utility-scale energy storage newly deployed in 2022, giving an estimated total of more than 9 GWh. Looking forward, the International Energy Agency (IEA) expects global installed storage capacity to expand by 56% in the next 5 years to reach over 270 GW by 2026.



Why is energy storage important in the EU? It can also facilitate the electrification of different economic sectors, notably buildings and transport. The main energy storage method in the EU is by far 'pumped hydro' storage, but battery storage projects are rising. A variety of new technologies to store energy are also rapidly developing and becoming increasingly market-competitive.



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.



How big will energy storage be in the EU in 2026? Looking forward, the International Energy Agency (IEA) expects global installed storage capacity to expand by 56% in the next 5 years to reach over 270 GW by 2026. Different studies have analysed the likely future paths for the deployment of energy storage in the EU.



How much energy storage capacity does the EU need? These studies point to more than 200 GW and 600 GW of energy storage capacity by 2030 and 2050 respectively (from roughly 60 GW in 2022, mainly in the form of pumped hydro storage). The EU needs a strong, sustainable, and resilient industrial value chain for energy-storage technologies.

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What is the energy storage database? The database includes three different approaches: Energy storage technologies: All existing energy storage technologies with their characteristics. Front of the meter facilities: List of all energy storage facilities in the EU-28, operational or in project, that are connected to the generation and the transmission grid with their characteristics.



The European Energy Storage Market Monitor (EMMES) updates the analysis of the European energy storage market (including household storage, industrial storage and pre-metre storage) and forecasts until 2030.



While growth has so far been driven primarily by residential storage systems in households, more and more energy suppliers, solar and wind farm operators, as well as industrial and commercial enterprises, are now ???



In its 2025 Summer Supply Outlook report, published today, the European Network for Transmission System Operators for Gas (ENTSO-G) confirmed that gas storage was particularly important last winter, covering ???



The roadmap is the result of a joint effort between the European Association for Storage of Energy and the Joint Programme on Energy Storage under the European Energy Research Alliance. The central parts of the work were done ???

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The Energy Storage Global Conference (ESGC) is back! The conference's fifth edition will be held on 11 ??? 13 October 2022 and is organised by EASE - The European Association for Storage of Energy, with the support of the European ???



The European energy landscape is evolving rapidly, and with it, the need for a robust and adaptable security of supply strategy. GIE's latest position paper highlights the crucial role of ???



A comprehensive European approach to energy storage ??? having regard to the United Nations Sustainable Development Goal 7 "Ensure access to affordable, reliable, sustainable close-to ???



Energy storage tenders in 2023 are expected to promote the development of pre-table energy storage before 2026, but the profitability of energy storage systems is low. After 2023, residential energy storage ???



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