

# EUROPEAN ENERGY STORAGE IS READY TO GO



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 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.



What does the European Commission say about energy storage? The Commission adopted in March 2023 a list of recommendations to ensure greater deployment of energy storage, accompanied by a staff working document, providing an outlook of the EU's current regulatory, market, and financing framework for storage and identifies barriers, opportunities and best practices for its development and deployment.



Can battery energy storage solve Europe's energy challenges? In order to deploy renewables and to release their potential for ensuring a stable and secure energy supply, Europe needs to work to overcome the intrinsic limits of renewables. One solution to these challenges is Battery Energy Storage.

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How can the EU save energy? With adequate growth in electricity storage, demand side flexibility and cross-border interconnectivity to help take advantage of abundant home-grown clean power, the EU could reduce fossil dependence, avoid costly energy imports, and protect consumers and businesses from volatile international energy prices.



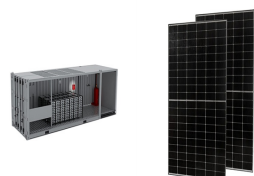
Most planned capacity is set to go to the EV market rather than stationary energy storage, but a bottleneck in the supply of the former has knock-on effects on the latter. CATL this week announced a second battery a?|



Six Energy Storage Companies Driving The European Market: Northvolt. Founded in 2016 and based in Stockholm, Sweden, Northvolt is an operator of lithium-ion battery plants intended to produce batteries for a variety of solutions, a?|



Energy storage needs to become a political priority alongside renewables, without a parallel storage strategy and scaling up of market-ready energy storage technologies, the EU will be unable to achieve a net-zero power system, a?|



Introduction. Europe is in the midst of a decarbonisation revolution. While gigawatts of renewable energy capacity are being deployed today, with even greater growth expected in the coming years, renewables alone cannot a?|

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Introduction. Get ready to dive into the thrilling world of European energy storage, an emerging market that's quickly becoming a new multi-billion-dollar asset class this post, a?|



On 13 April 2022, Breakthrough Energy, the European Association for Storage of Energy - EASE, SolarPower Europe, and WindEurope signed an open letter calling on the European Commission to recognise energy storage's crucial a?|



EASE has published an extensive review study for estimating E nergy S torage T argets for 2030 and 2050 which will drive the necessary boost in storage deployment urgently needed today. Current market trajectories for storage a?|



The EU islands" call for applications of interest for 30 renewable islands for 2030 has concluded, and the EU islands secretariat is thrilled to announce the selection of 30 islands and island groups from 10 European a?|

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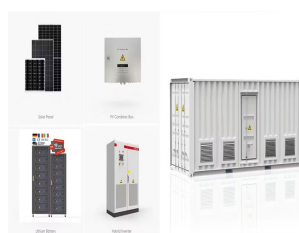
Dr Axel Wietfeld, President of Gas Storage Europe (GSE), commented: "The gradual penetration of intermittent renewable sources into the energy mix and at the same time the necessity to secure energy supply on a?|



High energy costs are hurting EU citizens and businesses. The Affordable Energy Action Plan sets out concrete short-term measures to lower energy costs for citizens, businesses, industry and communities across the a?|



European Energy is engaged in the production, storage, and supply of renewable energy and with the letter of intent ready to enter a partnership with the Port of Hanstholm, where it wishes to establish a Power-to-X plant to a?|



The European Commission proposed today to prolong the current Gas Storage Regulation (COM/2025/99) until the end of 2027. In the current geopolitical context and volatile situation in the global gas markets, this 2 year a?|

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One of the UK's most prolific developers since its first project went live in 2020, Harmony Energy is also at the ready-to-build stage with projects in France, Germany and Poland within Europe and developing projects further afield.