

Is Italy a good market for large-scale energy storage?

Alongside the MACSE auction, they touched on grid, project development and opportunities for software and optimisation providers. Mahael Fedele, Partner, CEO of Sphera Energy, said that Italy has several unique characteristics that make it an exciting market for large-scale storage. "The country obviously needs energy storage.

How many mw has EP Produzione built in Italy?

Italy's latest capacity market auction has catalyzed 233 MW of new capacity with the lion's share of projects secured by EP Produzione across two battery storage developments. From ESS News

Where will EP Produzione build a battery energy storage system?

EP Produzione will build 170 MW of battery energy storage systems with a two-hour storage duration at two sites. One project will be located at the company's Fiume Santo coal-fired power plant in Sardinia, originally set up in the 1960s.

Will Italian capacity market auctions hold positive news?

The first two Italian Capacity Market auctions (with delivery in 2022 and 2023) have not met their targets. As a result, auctions cleared at maximum premiums. The third auction, which will take place next week, might hold positive news, as some improvements in the process emerged.

Where is EP Produzione delivering a second battery system?

The second battery system will be delivered at Ferrara Energy Center, Emilia-Romagna, northern Italy, with the goal of reusing the current industrial area. EP Produzione was awarded a total of five projects in the 2025 capacity market auction, each with a 15-year off-take contract. To continue reading, please visit our ESS News website.

How much power will Italy have next year?

From ESS News Italy's latest capacity market auction for power to be delivered next year assigned 42.2 GW of capacity, data published by transmission system operator Terna showed. These include nearly 37.6 GW of existing capacity, around 233 MW of new capacity, as well as 4.36 GW of capacity from abroad.

Opportunities in Italy for optimisation and software providers. Although the long-term, predictable nature of the MACSE capacity market revenues might at first glance imply less of a role for optimisation firms - ...

Learn about the upcoming Italian energy storage auctions, the capacity market auction and MACSE auction (battery and pumped hydro), as tools to incentivize storage investment. Unlock different investment opportunities by making your ...

Storage in Italy: Terna o Around Euro 200 mln invested (Regulatory Asset Base -RAB) o Storage pilot projects - Terna spa 9 o Main target: contribution to grid security o Size [MW]: 16 MW ...

Supercapacitors (SCs) are an emerging energy storage technology with the ability to deliver sudden bursts of energy, leading to their growing adoption in various fields. This paper conducts a comprehensive ...

While batteries and capacitors are both energy storage devices, they differ in some key aspects. A capacitor utilizes an electric field to store its potential energy, while a battery stores its energy in chemical form. Battery ...

Energy storage analysts at TrendForce said that the energy storage market in Italy is expected to enter the peak period of large storage grid connection in the second half of the year. Italy's new energy storage capacity ...

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In the past few decades, electricity production depended on fossil fuels due to their reliability and efficiency [1].Fossil fuels have many effects on the environment and directly ...

In December 2023, the EU greenlit Italy's energy storage program, earmarking a hefty investment of EUR17.7 billion. This initiative is anticipated to facilitate the construction of over 9GW/71GWh of energy ...

ESS having limited capacity in terms of both power and energy can be categorized on the basis of their response; rapid response ESS like flywheel, ultra-capacitors and li-ion batteries are called short-term while ...

Italy has set its objectives in the energy national plan (PNIEC) pushing to a high integration of the renewable power generation (55% of renewable share in the electric sector by 2030). In the ...