

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.

What drives growth in Italy's energy storage sector?

LONDON (ICIS)-Market actors predict growth in the Italian energy storage sector will be driven by the system balancing needs of the grid operator in the face of increasing renewable penetration and conventional plant closures. However, permitting bottlenecks remain a key concern.

How big is Italy's energy storage sector?

However, permitting bottlenecks remain a key concern. Figures by industry group Italia Solare put the current size of the Italian energy storage sector at approximately 450 MW of total installed capacity.

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 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.

Does Italy still need to readjust its energy plans?

Energy expert Virginia Canazza discussed the topic with pv magazine. Italy simplified permitting for small storage systems last year but the country still needs to readjust its medium-term plans to make them coherent with its ambitious climate and energy targets.

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 ...

Energy storage is as important as new clean energy in terms of environmental protection. Phase Change Material (PCM) can store thermal energy in the form of latent heat for cooling or heating functions in a later stage. ... From -100? to ...

Thermal energy storage (TES) techniques are classified into thermochemical energy storage, sensible heat

storage, and latent heat storage (LHS). [1 - 3] Comparatively, LHS using phase ...

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Phase Change Materials are a series of engineered materials for thermal energy storage purpose. PCMs absorb or release large amounts of heat energy in the latent of heat form during its phase change process. Because of its ability to ...

Sunamp's vision is of a world powered by affordable and renewable energy sustained by compact thermal energy storage. Our mission is to transform how heat is generated, stored and used to ...

In a context where increased efficiency has become a priority in energy generation processes, phase change materials for thermal energy storage represent an outstanding possibility. Current research around thermal energy ...

savENRG® Phase Change Material (PCM) products provide precise temperature control for thermal packaging solutions. These Phase Change Material products store thermal energy as ...

With the launch of their commercial demonstration facility in Sardinia, Italy, Energy Dome's energy storage technology is ready for market. MILAN (June 8, 2022) - Energy Dome, a leading provider of utility-scale long ...

Intelligent phase change materials for long-duration thermal energy storage Peng Wang,¹ Xuemei Diao,² and Xiao Chen^{2,*} Conventional phase change materials struggle with long-duration ...

Paris, 20 October 2023 - NHOA Energy, the company of NHOA Group (NHOA.PA, formerly Engie EPS) dedicated to energy storage, announces that it has been selected as turnkey supplier for a 39MWh Battery Energy Storage ...

06-Dec-2021. LONDON (ICIS)-Market actors predict growth in the Italian energy storage sector will be driven by the system balancing needs of the grid operator in the face of increasing ...

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