

# Italian energy storage wins bid

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 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.

Can banks finance energy storage in Italy?

Paolo Sereni, COO and head of storage for developer Renera Energy, also agreed, pointing out that the Italian market has not seen any bank financing for energy storage, yet. "It will be interesting to see how the banks' experience in wind and solar translates into storage."

What are Italy's energy goals?

Italy's ambitious energy goals, outlined in the National Integrated Energy and Climate Plan (PNIEC), mark a transformative shift toward renewable energy. By 2030, the country is targeting 28 GW of wind power and nearly 80 GW of solar capacity, making energy storage essential for ensuring grid stability and maximizing renewable integration.

Is Italy open to foreign investment?

Italy is also fundamentally open to foreign investment compared to some other countries." Part of that regulatory push and a huge talking point of the panel was transmission system operator (TSO) Terna's capacity market auction for energy storage, called MACSE (Electric Storage Capacity Procurement Mechanism).

Will Italy hit 71 GWh?

Ben Potter, COO for 'CO2 battery' company Energy Dome, said he was confident that other technologies would be needed for Italy to hit the 71 GWh figure, and said its technology would be able to bid in to the auction at a lower price than lithium-ion BESS or PHES.

New ways to share energy (jointly acting renewable self-consumers and renewable energy communities, ARERA del. 318/2020) oCapacity Market: no storage in 2022 bid, only 100 MW in 2023 bid. Power capacity awarded in 2023 bid: about 4 GW (out of which just 0.5 GW already authorized) at 75 kEUR/MW/year  
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Greenko's winning submission is for a 500 MW/3,000 MWh pumped hydro energy storage (PHES) plant. It

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will serve NTPC REL under a 25-year contract, with the power generation company seeking to use the long-duration energy storage (LDES) resource to offer 24/7 "round-the-clock" clean energy to customers such as large corporates and utilities.

Auction wins in the medium-term and positive noises in the long-term The grid-scale Italian energy storage market has been kickstarted from two different directions. The first was big wins for battery storage projects in ancillary service and capacity market auctions by Terna, in 2020 and 2022, respectively. The second is a policy recognition

Taibi said the battery storage wins "...happened because the forecasts which the industry provided in terms of capex reduction were looking very aggressive, and the numbers and the caps in the capacity market auction were compatible with that. ... The feature on the Italian grid-scale energy storage market in the 35th PV Tech Power will ...

Greenko wins 3,000 MWh long-duration energy storage tender with pumped hydro. ... The winning bid translates into unit storage charges of ~US\$58/MWh on a single cycle per day basis, compared with the storage charges in another recent energy storage procurement tender based on battery energy storage systems of ~US\$120/MWh. Taking in account the ...

A spokesperson for Tesvolt, a German designer and manufacturer battery energy storage systems, told Energy-Storage.news that the demand for large-scale storage systems up to 10MWh is currently increasing. The Innovation Tenders are a significant driver of this demand, along with a growing number of hydrogen projects.

Policy changes in Italy are expected to have a significant impact on the European energy storage market, potentially leading to changes in local energy storage installations in 2024. Firstly, the decline in subsidies under the Superbonus policy has resulted in reduced purchasing power among Italian residents, dampening the outlook for ...

NTPC and various other government entities in India have begun tendering for energy storage in a bid to stimulate the market and offer long-term stability for private investors into the renewable energy space. The launch of tenders over the past year or so has been described as marking the start of India's "energy storage revolution ...

Storage developers will bid for fixed price contracts partially indexed to inflation, ensuring long term revenue stability. While all storage technologies are eligible, in practice the mechanism will strongly prioritise longer duration lithium batteries (BESS) e.g. 4-8 hr systems and some smaller volumes of pump hydro.

JSW Neo Energy and Reliance Power have secured 500 MW each in Solar Energy Corp. of India's (SECI) latest tender to set up 1 GW/2 GWh of standalone battery energy storage projects.

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Greenko Group has won 3 GWh of energy storage capacity from NTPC Renewable Energy Ltd, the renewables arm of state-owned power producer NTPC. It won the capacity by quoting the lowest bid in the technology-agnostic storage tender that saw participation from Li-ion battery, Na-S battery, and compressed-air storage technologies in addition to ...

The capacity market is set to kickstart the large-scale BESS market in Poland by providing the basic building blocks of the business case, according to numerous delegates interviewed by Energy-Storage.news at Energy Storage Summit Central Eastern Europe (CEE) 2023 in Warsaw in September. Greenvolt wins 1.2GW of contracts for BESS

While results are still to be published, according to the state-run solar corporation's e-tender portal there were four winning companies (see above): Pace Digitek Infra, awarded 100MW at IR3.41/kWh--which was the lowest bid--Hero Solar Energy, awarded 250MW at IR3.42/kWh, ACME Solar Holdings (350MW, also at IR3.42/kWh) and JSW Neo Energy ...

The owner of the project is Trinasolar's International System Business Unit (ISBU), its global project development. The standalone BESS will support grid stability and also do wholesale energy trading. The project has a contract with Italian transmission system operator (TSO) Terna to provide the Fast Reserve ancillary service for 1,000 annual operation hours, ...

ROME : Italian energy storage company NHOA is under government scrutiny after its leading shareholder Taiwan Cement Corp (TCC) announced a buyout offer to take the Paris-listed company private ...

Torrent Power Limited recently secured a 1,500 MW pumped hydro storage project from the Maharashtra State Electricity Distribution Co. Limited (MSEDCL). Under this mutually agreement provisions, Torrent Power will procure 1,500 MW/12,000 MWh of energy storage capacity from the pumped hydro storage (PSP) project.

The logo of Italian multinational energy company Eni is displayed at their booth during the LNG 2023 energy trade show in Vancouver, British Columbia, Canada, July 12, 2023. REUTERS/Chris Helgren/File photo Acquire Licensing RightsItalian energy group Eni ... Italy's Eni Wins Second UK Carbon Storage Licence 16 Sep 2023 by reuters The logo of ...

Greenko Energies won the NTPC Renewable Energy's auction to set up interstate transmission system (ISTS)-connected energy storage systems of 3,000 MWh capacity with a minimum of 500 MW capacity to be installed anywhere across India.. Greenko won the entire capacity by quoting INR2.79 million (~\$33,985)/MWh/year. According to the tender ...

That BESS project was an 8-hour duration lithium-ion (Li-ion) project submitted by RWE, with 50MW output to 400MWh capacity, as reported by Energy-Storage.news in May. 980MW/2790MWh of BESS, 95MW of VPP win contracts. This time out, there were no long-duration energy storage (LDES) winners.

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Fabio Zanellini, co-coordinator of Italia Solare's energy storage and hydrogen working group, attributed the surge in standalone energy storage installations in the first half of ...

Where are we now? At the end of 2023, Lithuania has the most operational capacity with the energisation of four 50MW installations owned and operated as a single battery park by Energy Cells. Hungary has a small number of installations just above 30MW, while Poland and Romania have little more than 10MW of operating capacity. Currently operational Front of ...

Minister of the environment and energy security Gilberto Pichetto has signed a decree allowing Italy to proceed with its energy storage capacity auction, known as MACSE, in ...

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