

JH Solar

Italian energy storage project bidding information



Overview

When will Italy's new energy storage capacity procurement auctions take place?

Terna's thinking. The date is set. The first of Italy's new energy storage capacity procurement auctions (MACSE) will take place on September 30, 2025, Terna's president for grid development strategies, Francesco Del Pizzo, has confirmed.

How will MACSE change energy storage requirements in Italy?

There are stark differences in energy storage requirements across Italy and MACSE procurement targets will adapt to these zonal needs. Most of the new utility-scale storage capacity catalyzed by MACSE will be needed in Southern Italy and the islands, with 16.8 GWh in the South, 13.6 GWh in Sicily, and 10.4 GWh in Sardinia.

How much storage capacity will Italy need by 2030?

Namely, according to the updated scenario developed by gas company Scam and power grid operator Terna, Italy will need 72 GWh of storage capacity by 2030 to meet the EU's "Fit for 55" package goals. Around 50 GWh of this capacity will be allocated to new utility-scale systems supported by MACSE to complement the growing penetration of renewables.

Does Enel have a Bess portfolio in Italy?

Currently, utility Enel is the only entity actively constructing a substantial BESS portfolio in Italy. In 2023, Enel began developing 1.6GW of projects, primarily in Sardinia, following significant capacity market wins in 2022.

Is Bess technology a winner in Italy's capacity market auction?

BESS technology has emerged as a significant winner in Italy's recent capacity market (CM) auction, which took place on February 26-27. In this auction, a total of 38,057MW of obligations was awarded to existing resources, while

594MW was allocated to new resources, in addition to 4,365MW designated for resources based outside Italy.

Which Agritech company has acquired a Bess project in Italy?

Recently, agritech company N2OFF acquired two projects under development, each with a capacity of 98MW/392MWh, from developer Solterra. Currently, utility Enel is the only entity actively constructing a substantial BESS portfolio in Italy.

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APPLICATION SCENARIOS



Italy's 1st MACSE auction: green light for BESS investors

The way forward for BESS investors There will likely be another Capacity Market auction for 2028 after MACSE auction. However beyond this the future of CM for Italian ...



Update on Italian BESS investment case

Key implications for BESS investors How to frame BESS investment cases & MACSE bidding strategies. Terna storage demand underpinned by new policy release On 1 st October 2024, the Italian TSOs ...



EU approves Italy EUR17.7 billion state aid for energy storage rollout

Italy's TSO Terna says it needs 9GW/71GWh of energy storage by integrate its renewables pipeline. Image: Terna. The European Union (EU) Commission has approved a ...

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What is the EU state aid scheme for energy storage in Italy? The European Union (EU) Commission has approved a state aid scheme aiming to fund the rollout of over 9GW/71GWh ...

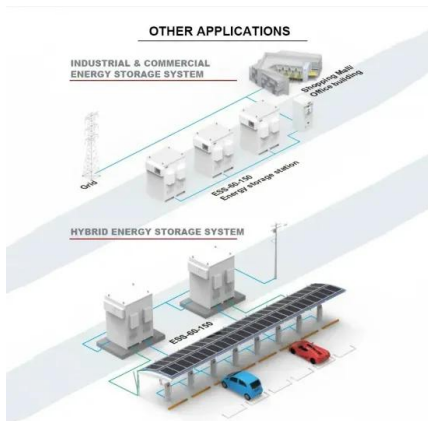


MACSE auction to take place on September 30, ...

The first Energy Storage Capacity Procurement Mechanism (MACSE) auction will be launched on September 30. Francesco Del Pizzo, president for grid development strategies and dispatching at the Terna ...

PR NHOA Energy

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 ...



Italy's grid-scale energy storage market: a sleeping dragon

The Italian grid-scale energy storage market is set to become one of the most active in Europe in the next few years, having been close to non-existent until now. While the residential sector ...

Italian grid company Terna fields 100 GW+ requests for MACSE energy

Italian electricity TSO Terna has received more than 100 GW of requests to participate in the energy storage auction it is planning before summer 2025. The first phase of ...



Italy's energy storage market is growing explosively, with ...

According to data released last week by Italian solar energy association Italia Solare, Italy's independent energy storage installations surged in the first half of 2024, with a ...

EU approves Italy EUR17.7 billion state aid for energy ...

Italy's TSO Terna says it needs 9GW/71GWh of energy storage by integrate its renewables pipeline. Image: Terna. The European Union (EU) Commission has approved a state aid scheme aiming to fund ...



MACSE auction ready to transform the energy ...

Energy market analytics specialist Aurora Energy Research has published a new report focusing on the auction system of the Electricity Storage Capacity Procurement Mechanism (MACSE) which ...

Italy preps energy storage auctions - pv magazine ...

With the European Commission having approved plans submitted by Italy in December 2023, Pichetto's signature enables electricity TSO Terna to organize tenders to procure energy storage



EU Approves EUR17.7 Billion for Italy's Renewable ...

The European Commission endorses Italy's EUR17.7 billion initiative for a centralized electricity storage system, supporting renewable integration and the EU's Green Deal. This project aims to reduce fossil ...

EU approves Italy's 177 billion euro energy storage plan to ...

Under the plan, the Italian government will support Energy storage facilities with a total capacity of more than 9GW/71GWh The project will last until 2033/ 12/ 31. Power storage developers will ...



2MW / 5MWh
Customizable

Energy storage more than half of new Italian grid capacity for ...

The results of Italy's main grid capacity market auction for 2025, published by Terna, show energy storage represented 51.1% of the 174 MW of new capacity assigned. ...

Rome Energy Storage Project Bidding Key Insights for Global ...

...

Summary: The Rome energy storage project bidding process is a critical opportunity for international investors and technology providers. This article explores the project's scope, ...

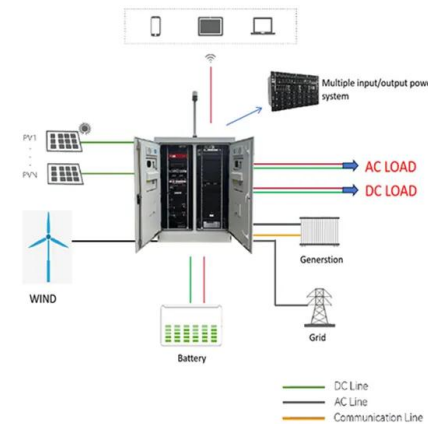


In-Depth Report : MACSE - Back to Grid

"In Depth Report about Macse" Time-Shifting Energy Storage Auction Shaping The Italian Storage Landscape <https://lnkd /et-9MMfd> Report Highlights Include: o An in-depth understanding of ...

Italy to hold first energy storage capacity auctions ...

The energy minister of Italy has signed a decree paving the way for an energy storage capacity auction to kick off in the first half of 2025.



N2OFF secures deal to commercialise 196MWp ...

Italy is supporting this transition through the MACSE [Italian Energy Storage Capacity Procurement Mechanism] scheme, planning its first energy storage capacity auctions in the first half of this year, offering 15 ...

Will MACSE auction put Italy at the front of battery deployment?

The boss of the Italian energy storage developer said that raises important questions about industrial policy. Domingo Zhu, senior sales director at Chinese battery ...



Europe drives BESS market strength

Following the launch of the first round of energy storage project bidding in 2023, Greece announced the winning list of the second round of energy storage project bidding in ...

Italy's Capacity Market Auction Awards Nearly 600MW to Battery Energy

This latest auction marks a significant increase in BESS capacity compared to the CM auctions for the 2025 and 2026 delivery years, which only saw 80-90MW of BESS ...



MACSE Auction: A Game Changer for Italy's Energy Storage Sector

2025 is set to see rapid growth in investment in the Italian energy storage sector, led by battery energy storage systems (BESS), with the implementation of MACSE. The eagerly anticipated ...

MACSE auction: A game changer for Italy's energy storage sector

2025 is set to see a rapid growth in investment in the Italian energy storage sector, led by battery energy storage systems (BESS), with the implementation of MACSE.



Energy storage(KWH)

102.4kWh

Nominal voltage(Vdc)

512V

Outdoor All-in-one ESS cabinet



Italian Energy Storage System Project Bidding: What You Need ...

In the first 100 words, let's cut to the chase: Italy aims to deploy 71 GW of renewable capacity by 2030, creating a gold rush for battery storage and smart grid projects. ...

Europe drives BESS market strength

Following the launch of the first round of energy storage project bidding in 2023, Greece announced the winning list of the second round of energy storage project bidding in February this year, which ...

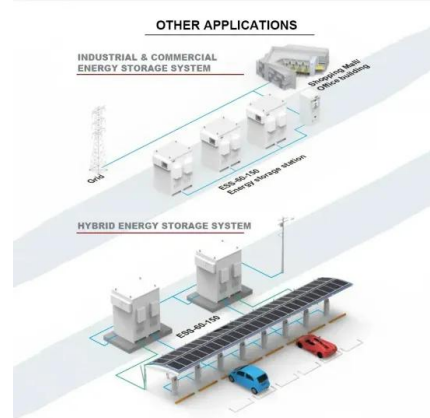


Italy's Capacity Market Auction Awards Nearly ...

Recently, agritech company N2OFF acquired two projects under development, each with a capacity of 98MW/392MWh, from developer Solterra. Currently, utility Enel is the only entity actively constructing a ...

EU Approves EUR17.7 Billion for Italy's Renewable ...

By implementing large-scale electricity storage facilities, the Italian scheme aspires to reduce energy reliance on fossil fuels and foster a resilient grid, prepared to handle fluctuations in renewable energy ...



Italian energy storage auction MACSE postponed ...

Italian transmission system operator (TSO) Terna said that Italy's first energy storage capacity procurement mechanism (MACSE) will be postponed until September 2025.

Italy to hold first MACSE energy storage capacity auctions in H1 ...

The MACSE auction will provide 15-year contracts for energy storage projects whereby they will be paid annual premiums to cover operating costs in exchange for making their capacity ...



Italy's MACSE auction will reshape the Italian ...

The FER 2 Decree, that provides incentives for renewable energy projects with high generation costs, introducing contracts-for-difference (CfDs) to reduce risk and attract investment The big picture: EU ...

How Italy is Driving BESS Investment

Conclusion The build-out of renewable energy storage is a fundamental step for Italy to achieve its 2030 decarbonisation targets. This build-out presents a challenge in the form of higher variable renewable ...



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