

Successful bid price of industrial energy storage project in Italy 2030





Overview

How much will Italy invest in utility-scale storage?

In support of these ambitious objectives, the Italian government recently received approval from the EU Commission for investment schemes aimed at developing at least 70 GWh of utility-scale storage—an initiative projected to attract over €17 billion in investments over the next decade.

How will Italy develop utility-scale electricity storage facilities?

To develop utility-scale electricity storage facilities, the Italian Government set up a scheme that was approved by the European Commission at the end of 2023. Italy will promote investments in utility scale electricity storage to reach at least 70 GWh, and worth over Euro 17 bn, in the next ten years.

How will Italy invest in electricity storage?

Italy will promote investments in utility scale electricity storage to reach at least 70 GWh, and worth over Euro 17 bn, in the next ten years. The new storage capacity will be acquired through tenders published by Terna, the manager of Italy's high voltage grid. The next tender will be released in 2024.

How much energy storage capacity does Italy have?

As of November 2024 Italy had 5.1 GW / 11.7 GWh of energy storage capacity. This is almost exclusively small-scale residential system, with utility-scale storage systems providing just 864 MW. To help achieve the target for utility-scale storage build-out, the Italian government has implemented the MACSE subsidy scheme as supporting legislation.

Are battery energy storage systems needed in Italy?

Therefore, battery energy storage systems (BESS) are needed in Italy. The Italian market for BESS is growing rapidly and currently amounts to 2.3 GW but it almost exclusively consists of residential scale systems, associated with small scale solar plants, having a capacity of less than 20 kWh.



Is Italy a leader in industrial energy storage and commercial energy storage?

Accordingly, there is a growing market for industrial energy storage and commercial energy storage projects, positioning Italy as a leader in advanced Italy storage solutions and renewable energy Italy initiatives.



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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 the rollout ...

Italy: Regulator marks big week for grid-scale energy ...

Italy's TSO Terna is in the midst of reforming the electricity market to incorporate new energy storage resources onto the grid. Image: Terna. In a big week for the grid-scale energy storage market in Italy, regulators have ...



[Update on Italian BESS investment case & MACSE ...](#)

The Diagram illustrates how storage is particularly key in the Southern & Island regions which will soon face a critical flexibility deficit due to lack of storage and interconnection capacity.

[The role of battery storage in the energy market](#)

The choice of location determines the success of a project Every BESS project starts with a thorough market analysis. Particular attention should be paid to the selection of a suitable



location, as this is crucial to the success of a project. ...



Energy in Italy: Trends and opportunities , Herbert Smith Freehills

The energy sector continues to be a cornerstone of Italy's economic and environmental strategy, driving resilience and innovation amidst global market challenges. As ...

Innovative energy storage auction and renewables-friendly policy ...

London-based investor Bluefield says Italy's cautious, 'stop-start' approach to clean energy and energy storage procurement is less catastrophic than Spain's boom-bust ...



Italy needs 71GWh of new grid-scale energy storage by 2030

An operational PV plant in Italy. Image: NextEnergy Capital. A total of 71GWh of new grid-scale energy storage needs to be deployed in Italy by 2030 for it to decarbonise its ...





New report: European battery storage grows 15% in 2024, EU energy

On the other hand, commercial & industrial battery storage is set to grow slightly in 2025, as businesses tap into the energy security and cost effectiveness that solar and ...



Italy , HHWE

Italy's goal of 20 GW of wind energy by 2030 and its commitment to carbon neutrality by 2050 reflect its dedication to renewable energy growth. With new projects, investments, and ...

Storage auctions in Europe

For professionals working in the energy storage sector, 2023 has been for sure a year full of tenders and new support schemes dedicated to energy storage in many countries, ...



[Italy needs 71GWh of new grid-scale energy storage ...](#)

An operational PV plant in Italy. Image: NextEnergy Capital. A total of 71GWh of new grid-scale energy storage needs to be deployed in Italy by 2030 for it to decarbonise its energy system in line with the EU targets. ...



[BESS in North America_Whitepaper_Final Draft](#)

Falling on fertile ground this will make the North American energy storage market the largest market in the world accounting for a third of global energy storage installations (in MW) ...



Spain & Italy , BESS Premium Opportunities in Renewables

Spain and Italy present a EUR45 million opportunity for BESS insurance premiums. Discover how NARDAC supports renewable energy projects in these regions.

[How Italy is Driving BESS Investment](#)

While Northern Italy currently has the largest installed BESS capacity in the country, a build-out of RES in the South is increasing energy price volatility, creating a more compelling investment case for BESS in this region.





[CIP and GC Storage Services work on BESS pipeline ...](#)

The development of large-scale battery projects aligns with CIP's growing focus on energy storage. With Italy's supportive regulatory environment, the partnership aims to leverage CIP's expertise to advance its ...

Italy's EUR9.7 billion plan to boost renewables and reach ...

With these mechanisms, Italy aims to accelerate its clean energy transition while maintaining financial stability. How will the scheme help Italy expand its renewable energy capacity? The EUR9.7 billion state aid scheme ...



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

As we have set out in previous blog articles, MACSE is an innovative mechanism underpinned by long term fixed price capacity contracts for storage investors. It will ...

BESS industry gears up for Italy kick-off with first MACSE auction

Terna is the Italian TSO and is driving the grid-scale storage market in Italy by opening up business opportunities for the technology. Image: Terna. The grid-scale energy ...



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

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 ...



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 ...



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

If you're reading this, you're probably asking: "Why should I care about Italian energy storage system project bidding?" Well, imagine a world where cannoli factories run on ...





BESS industry gears up for Italy kick-off with first MACSE auction

The grid-scale energy storage market in Italy holds much promise with very ambitious deployment targets for 2030, but it may be difficult for the industry to deliver on those ...



GreenGo secures approval for 80 MW of BESS projects in Italy

Italian renewable energy developer GreenGo has received authorisation for two new battery energy storage system (BESS) projects, adding 80 MW of planned capacity in ...

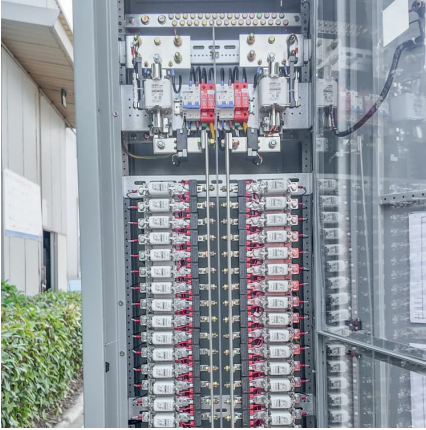
Revolutionizing Italy's Energy Storage Scene: The MACSE Auction

The target of this initiative is to bolster the deployment of power storage facilities needed to fulfill Italy's ambitious renewable energy target of 131GW by the end of 2030. It is ...



Italy: Enel building 1.6GW of battery storage for 2024 delivery

An Enel Green Power wind power plant in Sicily, Italy. Image: Enel Green Power. Enel Green Power will start building 1.6GW of battery storage projects in Italy this ...



[Italian battery investment is about to surge](#)

Timera Energy look at implementation of a new long term contract support mechanism for storage in Italy that is set to drive a surge in battery investment.



[MACSE auction: A game changer for Italy's energy ...](#)

With the first auctions for procuring new storage capacity in Italy expected in the second quarter of 2025, Aurora Energy Research has analyzed the internal rate of return for projects supported by the Energy Storage ...

Italy Accelerates Solar Energy and Industrial Energy Storage ...

In support of these ambitious objectives, the Italian government recently received approval from the EU Commission for investment schemes aimed at developing at ...





Italy , Green Hydrogen Organisation

Green Hydrogen Vision Italy's green hydrogen vision is centred on leveraging its unique geographical advantages, industrial capabilities, and commitment to a sustainable energy ...

The role of battery storage in the energy market

The choice of location determines the success of a project Every BESS project starts with a thorough market analysis. Particular attention should be paid to the selection of a suitable ...



BESS Investment in Italy: Which Market Option is Best?

Market Options Italy's ambitious drive towards renewable energy integration, targeting 50 GW solar and 28.1 GW wind capacity by 2030, has created distinct pathways for Battery Energy Storage System (BESS) ...

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