

Expected ROI of BESS project in Italy 2026





Overview

Is Bess a good investment in northern Italy?

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.

How many Bess projects are there in Italy?

Started the authorization process for 1.43 GW of BESS projects in Italy, or one-third of the entire 4.3 GW Italian pipeline presented in the 2023-2026 Business Plan, with technical support from AFRY, a leading provider of engineering services.

How much Bess capacity does Italy have in 2025?

As of March 2025, Italy has got 1GW of grid-scale BESS capacity online, placing the country in third place in Europe (shared with Ireland) in terms of installed capacity, behind Germany (1.6GW) and the UK (5.6GW). Another 1.75GW is under construction, projects totaling 230MW have obtained permits, and 1.2GW of new BESS capacity has been announced.

What is the business case for Bess in Italy?

Revenue Streams for BESS: The business case for BESS in Italy is underpinned by four main revenue streams: wholesale trading, the Ancillary Services Market (MSD), the Capacity Market (MC), and the new energy storage subsidy scheme (MACSE).

How is the Italian government aiming for 15GW of Bess capacity?

The Italian government is aiming for 15GW of BESS capacity by 2030 to maintain security of supply. The Italian government, regulator, and Transmission Service Operator (TSO) are creating an attractive regulatory environment for BESS by offering multiple incentive schemes and updating the grid code.



Why is Terna launching a Bess project in 2025?

To attract more BESS capacity, the Italian regulator and Transmission Service Operator (TSO), Terna, are offering contracted revenue streams for BESS projects. As of early 2025, this has resulted in two waves of BESS projects coming online.



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Altea Green Power launches 1GW of BESS in Italy

The four sites in central-southern Italy are being called the 'Black BESS' project and will be completed by the first half of 2024. Alongside three other groups of projects, called Green, Blue and Yellow BESS, the ...

Matrix Renewables announces landmark agreement to develop ...

These noteworthy BESS projects in Italy signify remarkable progress in our storage pipeline growth, while emphasizing our commitment to seizing opportunities in the ...



Germany's first tolled BESS secures project financing

The 209 MWh Stendal battery energy storage project is expected to be fully operational by early 2026, one year before its seven-year tolling agreement comes into effect.

[Residential Energy Storage System forecast](#)

?? The forecast until 2026 expected by SolarPower Europe is that Germany remains as the leader driven by the strong residential PV development and the aim of reducing ...



[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.



N2OFF to Expand its Melz Solar Project with Battery Storage

29 ????· The Melz project, expected to receive final plan approval in early 2026, is part of N2OFF's broader renewable energy partnership with Solterra, which includes multiple BESS ...



[BW ESS launches in Germany with 1GW BESS ...](#)

Rendering of the 330MWh Bramley BESS project in the UK, developed in partnership with Penso Power. Image: BW ESS. Energy storage developer-owner BW ESS has entered its fifth international market, partnering ...





Glennmont and Exus agree 800MW Italian battery storage project

The deal will see Glennmont and Exus commence a series of standalone battery energy storage system (BESS) projects across the Puglia region of Italy. These will constitute ...



Update on Italian BESS investment case & MACSE ...

A 100% MACSE strategy exposes BESS assets to merchant upside on just 20% of MSD margins. There is substantially more value upside available from wholesale market arbitrage.

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

The capacity of the BESS project must be qualified by 17 th July 2025. The capacity qualified for the auction can also be lower than the asset capacity, with relevance for ...



[BESS in North America_Whitepaper_Final Draft](#)

Total project costs for utility-scale BESS are expected to fall by another 16% between 2021 and 2025. These battery cost reductions will be driven by increasing battery demand from the ...





BESS in Germany 2025 and Beyond:

BESS stands out for its affordability, driven by technological advances and economies of scale. Its modular design offers scalability and flexibility, balancing grid supply-demand, stabilizing the ...



Residential Energy Storage System forecast

?? The forecast until 2026 expected by SolarPower Europe is that Germany remains as the leader driven by the strong residential PV development and the aim of reducing the electricity bill.

Recurrent Energy Secures 6 MW BESS Capacity in Italy's 2026 ...

Recurrent Energy has secured 6 MW of battery energy storage system (BESS) capacity for its Montalto project in Italy's Lazio region through the country's Capacity Market ...



BW ESS, ACL Energy to develop 2.9 GW of stand ...

BW ESS and ACL Energy have announced an expansion of their stand-alone BESS project portfolio in Italy, bringing their total development pipeline to 14 projects representing 2.9 GW of capacity across Italy's North and ...



Bison Energy snaps up 300 MW of battery projects in Italy

Tokyo-based green power developer Bison Energy Group unveiled today the acquisition of two battery energy storage system (BESS) projects in Italy with a combined ...

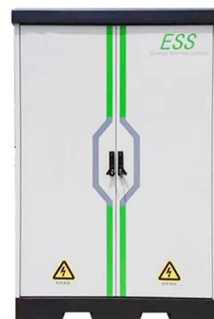


Choosing the Best BESS for Maximum Profitability

A truly profitable BESS investment isn't just about upfront costs-- it's about maximizing revenue, minimizing risk and ensuring long-term financial returns. The right decision-making framework ...

BESS Investment in Italy: Which Market Option is Best?

Think of it as a stable, long-term partnership: projects get high revenue certainty (over 90%) through fixed capacity payments from Terna, Italy's trusted grid operator.



BESS dominate new wins in capacity markets in Italy ...

A render of Engie's Kallo BESS in Belgium which won a contract. Image: Engie. Capacity market auctions have concluded in Italy and Belgium and battery energy storage system (BESS) projects won the lion's ...



BESS the Linchpin for Asia's Renewable Energy Targets

Final thoughts Asia Pacific is the largest market for BESS and is expected to be the fastest growing moving forward. Several countries are now seeing a disconnect between ...



[Engie starts building 800MWh BESS in Belgium](#)

A render of the project in Vilvoorde. Image: Engie. Multinational utility and IPP Engie has launched construction on a 200MW/800MWh battery energy storage system (BESS) in Belgium. The France-headquartered firm ...



[How Italy is Driving BESS Investment](#)

The most relevant recent development for BESS operators in the Italian market is the introduction of MACSE. MACSE is a new capacity auction which offers 15-year contracts for energy storage projects. The first MACSE ...



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

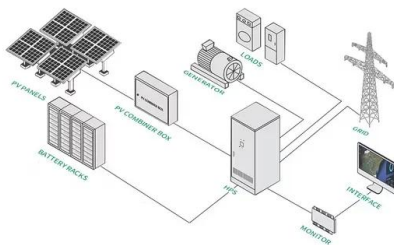
CIP and GCSS, a joint venture between developers Ikigai Capital and Agnoli Giuggioli, recently partnered to deploy 14 projects totalling 2.3GW of battery energy storage ...





Redelfi starts authorization process for 1.43 GW of BESS projects ...

Started the authorization process for 1.43 GW of BESS projects in Italy, or one-third of the entire 4.3 GW Italian pipeline presented in the 2023-2026 Business Plan, with ...



Matrix Renewables buys 8-hour Italy BESS portfolio ...

A solar PV plant in Colombia owned by Matrix Renewables, which is based in Spain. Image: Matrix Renewables via Twitter. Developers Matrix Renewables and Emeren have agreed a deal for a 410MW/3,280MWh ...

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

A 9.3MWh BESS in Italy recently commissioned by the development arm of solar and BESS firm Trina. Much larger projects are expected to come online in the next few years, driven by MACSE. Image: Trina ...



BESS Report & Data , Elemens , Energy Boutique Consulting

The essential deep dive into the Italian BESS market for taking strategic, development and investment decisions based on data. The report provides the Elemens outlook on auctions and ...



6 Emerging Revenue Models for BESS: A 2025 Profitability Guide

Discover how commercial BESS monetizes peak shaving, ancillary services, and carbon credits. Learn ROI drivers for energy storage systems in C& I applications.



5 Reasons Why BESS Will Be a Focal Point of Energy Business ...

The global energy storage market is expected to add over 220 GWh of new capacity in 2025, driven by a rise in tenders for BESS projects, many of which may be ...

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