



Construction status of energy storage projects in Italy

Where in Italy will a new battery energy storage system be built?

The largest project, a 160 MW facility, will be built in the municipality of Tuscania. Italy's Ministry of the Environment and Energy Security (Mase) has issued final approvals for five new battery energy storage system (BESS) projects, paving the way for 361 MW of new capacity to be added to the nation's grid.

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.

How much will Italy's energy storage program cost in 2023?

In December 2023, the EU greenlit Italy's energy storage program, earmarking a hefty investment of EUR17.7 billion. This initiative is anticipated to facilitate the construction of over 9GW/71GWh of energy storage systems (ESS).

What is Italy's energy storage structure?

Italy's energy storage structure is also dominated by residential storage, which accounts for more than 80% of new installations. In December 2023, the EU greenlit Italy's energy storage program, earmarking a hefty investment of EUR17.7 billion.

Why is a grid-scale battery energy storage system important in Italy?

As the penetration of solar power increases, grid stability has become a critical issue. In response, Italy is prioritizing the development of grid-scale battery energy storage systems (BESS Italy) alongside new industrial and commercial energy storage projects.

What policy changes are affecting residential storage installations in Italy?

Residential storage installations in Italy are particularly sensitive to policy changes. The country operates under a net metering policy for residential PV generation, where households with grid-connected solar panels can feed excess electricity production back to the grid at retail prices.

Enel plans 2.3 GW of battery energy storage through 2027 Italy's Enel has announced it plans to switch focus from solar to onshore wind for its renewable energy ...

Between August 7 and 11, 2025, Italy's Ministry of Environment and Energy Security (MASE) gave the green light to six large-scale battery storage projects located in Lazio, Campania, Basilicata, and Puglia.

The innovative tolling agreement signed between Zelestra and BKW enables the delivery of one of Europe's largest battery energy storage systems (BESS), of up to 2 GWh, in ...



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Matteo Coriglioni, head of Aurora Energy Research Italy, said official data showed that as of the end of March, Italy had approved more than 2GW of energy storage ...

Italy's grid-scale energy storage market: a sleeping dragon Grid-scale battery storage | Cameron Murray writes about the nascent market for large-scale battery storage in Italy, which could see ...

Enel Green Power will start building 1.6GW of battery storage projects in Italy this quarter, with the country's utility-scale market expected to soar in the next three years. The renewables arm of ...

Italy's Ministry of the Environment and Energy Security (Mase) has issued final approvals for five new battery energy storage system (BESS) projects, paving the way for 361 MW of new capacity to be added ...

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

10 > kWh Battery storage projects between 5-15 kWh make up the bulk of Italy's battery storage market. In most cases, these systems are customer-sited and coupled with solar PV systems.

Enel has sold a 49% stake in its subsidiary that will own and operate 1.7GW of battery energy storage projects in Italy to investor Sosteneo.

In part 1 of our series on backup power in Europe, we named Italy as one of the most attractive European countries for BESS investments. The Italian electricity sector is ...

Italy's Anie said the boost for small-scale energy storage systems provided by the country's renovation "superbonus" is over. The tax credit, which initially offered a 110% rebate for the cost of qualifying ...

By far, the largest number of projects are located in the United Kingdom - 66 (6,2 GW). Italy is in second place (with 13 projects totaling 1.7 GW), followed by Germany (19 - 1.6 GW), according to the ...

Romina Pourmokhtari, Sweden's Minister for Climate and Environment, officially inaugurated the largest energy storage park in the Nordic region. The initiative, led by Ingrid ...

The government has set ambitious goals for increasing renewable energy on the national grid, with a particular focus on bolstering both solar energy and energy storage solutions tailored for industrial and ...



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Subsidiary Trina Storage has commissioned the 9.3MWh battery energy storage system (BESS) project in Torre di Pierri, Italy, in the province of Taranto, southeast Italy. The owner of the project is ...

Image: Energy Dome. Engie has signed an "energy storage as a service" contract with technology provider Energy Dome for a long-duration energy storage (LDES) project in Sardinia, Italy. The French ...

Upon resuming the scheme, the government implemented reductions in subsidy levels for 2024 and 2025, resulting in numerous construction sites coming to a standstill. Residential installations were ...

This project will contribute to the region's energy transition and the remediation of the site of the former Kallo power plant, which was fuelled by natural gas and fuel oil until its closure in 2011. With the ...

Over the past ten years, Sma has focused heavily on consolidation in large-scale storage solutions, installing around 81 GW of photovoltaic power and 17 GW of storage.

Italy has taken a major step forward in its energy transition efforts, giving the green light to 361 MW of new battery energy storage systems (BESS) spread across three regions--Lazio, Puglia, and Sardinia.

The aim of the European Energy Storage Inventory is to record all European energy storage projects by status - in operation, planned and under construction - by location ...

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Copenhagen Infrastructure Partners (CIP) has entered into a partnership with GC Storage Services (GCSS) to jointly develop a 2.3-GW pipeline of large-scale battery ...

The development of Battery Energy Storage Systems (hereinafter "BESS") in Italy has been limited by the fact that the spread of renewable sources is...

The aim of the European Energy Storage Inventory is to record all European energy storage projects by status - in operation, planned and under construction -, by location ...

Internationally, we have already implemented major projects such as the Tynemouth stand-alone storage system in the UK and the La Caba#a photovoltaic plant in Chile, which is ...

In March 2025, Copenhagen Infrastructure Partners (CIP) announced a strategic partnership with GC Storage Services (GCSS) to co-develop a 2.3 GW pipeline of large-scale battery energy storage projects ...

The aim of the European Energy Storage Inventory is to record all European energy storage projects by status



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- in operation, planned and under construction - by location and by technology. Most projects ...

A render of a BESS project that was provided by BW ESS when the partnership was initially announced in February. Image: BW ESS. BESS owner-operator BW ESS and developer ACL Energy have ...

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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