

## SolarGrid Energy Solutions

# Large-scale energy storage project in Rome



## Overview

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Italy's largest second-life battery energy storage system was officially launched at Rome-Fiumicino airport yesterday. What is Italy's largest second-life battery energy storage system?

From ESS News Italy's largest second-life battery energy storage system was officially launched at Rome-Fiumicino airport yesterday. State-owned gas and electric company Enel's 2.5 MW/10 MWh Pioneer project comprises 762 battery packs and modules.

Is MACSE a business case for grid-scale storage in Italy?

The CM and a new energy storage-only auction scheme called MACSE are set to form the bedrock of the business case for grid-scale storage in Italy, something that consultancy Timera Energy's director for power market services Steven Coppack said made it unique in Europe (Premium access).

Does Italy need battery storage?

Italy has a clear need for storage, and the enabling market and regulatory mechanisms are being put in place to make battery storage projects commercially attractive." CIP's Flagship Fund CI V, which closed in March 2025, surpassed its initial target of €12bn (\$12.9bn).

Where are CIP's battery storage projects located?

The projects are spread across northern and southern Italy, with the first expected to reach ready-to-build stage later this year. Battery storage is becoming a prominent part of CIP's portfolio with recent investments in the UK, US, Chile, and Australia.

Will Rome-Fiumicino have a self-consumption solar project?

Airport management company Aeroporti di Roma (ADR) collaborated on the project, which also drew on the expertise of Germany's Fraunhofer research institute. Rome-Fiumicino already boasts the largest self-consumption solar

project at a European airport and Pioneer will be integrated with that “Solar Farm” facility.

Does Rome-Fiumicino have a solar farm?

Rome-Fiumicino already boasts the largest self-consumption solar project at a European airport and Pioneer will be integrated with that “Solar Farm” facility. To continue reading, please visit our ESS News website.

## Large-scale energy storage project in Rome

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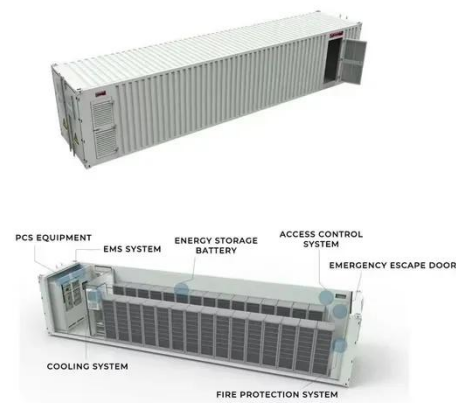


### MACSE auction: A game changer for Italy's ...

Jan 22, 2025 · With the first auctions for procuring new storage capacity in Italy expected in the second quarter of 2025, Aurora Energy Research has ...

## Projects

In Italy, we have partnered with ACL Energy, a Milan-based BESS developer, on 14 development stage projects totalling 2.9 GW. Our portfolio is focused on ...



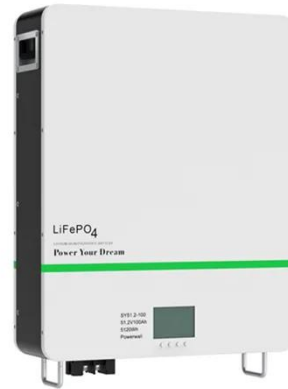
### Italy's Energy Transition: How Grid-Scale Batteries are ...

6 days ago · Italy is advancing its renewable energy goals with the help of grid-scale batteries, essential for stabilizing the grid as more solar and wind power comes online. Renesys ...



## Copenhagen Infrastructure Partners enters partnership with GC Storage

Mar 26, 2025 · The partnership will jointly develop the pipeline of large-scale stand-alone battery projects across both Northern and Southern Italy  
COPENHAGEN, Denmark, March 26, 2025  
...



## Italy Allocates EUR320 Million to Support SMEs in ...

Dec 13, 2024 · Additionally, the launch of the storage auction mechanism (MACSE), backed by a EUR17.7 billion budget, is anticipated in 2024, rapidly ...



## Italy, strategic hub for energy storage: investment boom

5 days ago · The Italian storage market also represents a key test bed for large-scale integration of renewables and smart grid management. " Italy has all the credentials to become a pioneer ...



## Biggest projects in the energy storage industry in 2024

Dec 25, 2024 · Following similar pieces in 2022/23, we look at the biggest energy storage projects, lithium and non-lithium, that we've reported on in 2024.



## Matrix Renewables announces landmark agreement to ...

Download PDF Rome - July 4, 2023 - Matrix Renewables ("Matrix"), the TPG Rise-backed global renewable energy platform, today announced that it has started a partnership with Gravel A ...



## TAX FREE ENERGY STORAGE SYSTEM

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled



## CIP enters Italian market with 2.3 GW BESS ...

Mar 26, 2025 · Copenhagen Infrastructure Partners (CIP), through its Fund CI V, has entered a new partnership with Milan-headquartered developer GC ...

## Italy needs 71GWh of new grid-scale energy ...

Aug 15, 2023 · The report is a deep-dive into the suitability of different technologies for deploying the 71GWh of new large-scale energy storage that ...



## Exide Technologies energizes Italian industry with new energy storage

Jul 15, 2025 · Exide Technologies has signed a new contract with an Italian foundry, specializing in structural castings for the machine and energy sectors, to deliver its Solition Mega Three, a ...

## CIP backs 2.3-GW pipeline of Italian battery ...

Mar 26, 2025 · Copenhagen Infrastructure Partners (CIP) has entered into a partnership with GC Storage Services (GCSS) to jointly develop a 2.3-GW ...



## The Italian energy storage market will enter the ...

Aug 15, 2024 · Under the goal of energy transition, among emerging markets, TrendForce has taken stock of markets



with fast growth and obvious volume ...



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## Elgin Energy

Apr 3, 2025 · About Elgin Elgin is a fully integrated, utility-scale solar+ storage platform, bringing projects from origination through development to energisation, with a 15GW+ pipeline ...



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## CIP Partners with GC Storage Services for 2.3 GW ...

Apr 1, 2025 · Copenhagen Infrastructure Partners (CIP), through its Flagship Fund CI V, has entered a new partnership with Italian developer GC Storage ...

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## Italy permits more than 1 GW of large-scale ...

6 days ago · The largest, 120 MW project will be built in the municipality of Ceprano. In August, more than 1 GW of battery energy storage systems ...





## Copenhagen Infrastructure Partners enters partnership with

Mar 26, 2025 · Copenhagen Infrastructure Partners enters partnership with GC Storage Services for 2.3GW pipeline of large-scale battery storage projects in Italy The partnership will jointly ...

## Copenhagen Infrastructure Partners enters partnership with GC Storage

Mar 26, 2025 · The partnership will jointly develop the pipeline of large-scale stand-alone battery projects across both Northern and Southern Italy



## Large battery storage systems in Europe are all ...

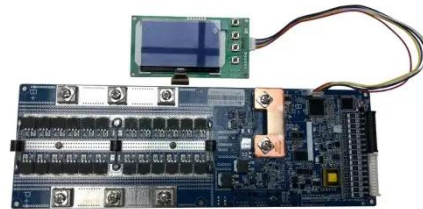
Jan 28, 2025 · Discover why large battery storage systems are booming in Europe, aiding grid stabilization and



peak load management, with Italy and the ...

## Copenhagen Infrastructure Partners partners with GC Storage ...

Mar 27, 2025 · Copenhagen Infrastructure Partners (CIP), through its fifth flagship fund CI V, has entered into a partnership with Italian company GC Storage Services (GCSS) to develop a ...



## Italy Sees Exponential Growth in Utility-Scale Battery Storage...

May 29, 2025 · Italy significantly expanded its energy storage capacity last year, driven by large-scale projects exceeding 1 MWh. Anie, a division of national business organization ...

## Galileo sells fully permitted battery storage project in Italy to

Jun 30, 2025 · The large-scale storage project is part of Galileo's Italian development pipeline, which currently includes over 3 GW of onshore wind,

solar PV, BESS (Battery Energy Storage

...



### Italy 2025 energy storage projects

To maintain grid stability, TERNA forecasts the need for 71GWh of storage, equivalent to about 20GW of capacity by 2030. The second edition of RENMAD Storage Italia (April 2-3, 2025) will ...

### Field set to build multi-gigawatt portfolio in Italy ...

Apr 24, 2023 · Founded in 2021, Field is dedicated to building the renewable energy infrastructure and technology needed to reach net zero and avoid ...



### How renewable energy is changing the ...

Oct 11, 2024 · Italy's renewable energy landscape is evolving rapidly, and companies like WElink are at the forefront of this transformation. By ...



## **BESS dominate new wins in capacity markets in ...**

Nov 6, 2024 · Capacity market auctions have concluded in Italy and Belgium and battery energy storage system (BESS) projects won big.



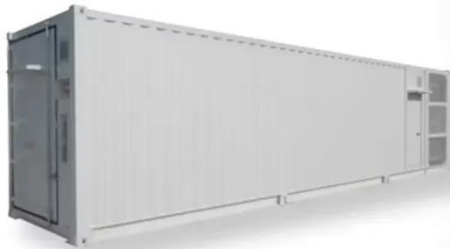
## **Aura Power to install 200 MW/800 MWh battery ...**

Jun 26, 2023 · UK-based developer Aura Power plans to build a large scale storage system in Maddaloni, southern Italy. It secured final approval for the ...

## **CIP and GCSS to oversee 2.3 GW battery storage (BESS) projects ...**

Mar 26, 2025 · GCSS is an energy partnership between renewable-energy-invested companies - Ikigai Energy and Agnoli Giuggioli. The first of the battery

storage projects will break-ground ...



### Italy: BESS wins nearly 600MW in 2027 capacity market

Mar 3, 2025 · The CM and a new energy storage-only auction scheme called MACSE are set to form the bedrock of the business case for grid-scale storage in Italy, something that ...

### CIP, GCSS to Develop 2.3GW Battery Storage in ...

Mar 29, 2025 · Copenhagen Infrastructure Partners (CIP) has joined forces with GC Storage Services (GCSS) through its Flagship Fund CI V to develop a ...



### Italy: BESS wins nearly 600MW in 2027 capacity market

Mar 3, 2025 · BESS technology has won the bulk of new resource contracts in the capacity market (CM) auction for delivery in 2027 in Italy. The auction



took place last week (26/27 ...

## **Large-scale energy storage - Italy will receive huge financial ...**

Jan 3, 2024 · The European Commission has given its approval for a support initiative aimed at funding extensive energy storage projects in Italy. These projects are intended to have a ...



## **The Italian energy storage market will enter the ...**

Aug 15, 2024 · Italy's new energy storage capacity is expected to reach 2.5GW/6.2GWh in 2024, +25%/61% year-on-year. Policy support has been ...

## **CIP partners with GCSS for 2.3 GW BESS projects in Italy**

Mar 28, 2025 · Copenhagen Infrastructure Partners (CIP) has entered into a partnership with GC Storage Services (GCSS) for a 2.3 GW pipeline of

large-scale battery energy storage system ...



### **NHOA: Italy capacity market BESS 'opens doors' ...**

Oct 23, 2023 · NHOA's recently completed 107MWh BESS in Gaungdong province, China. Image: NHOA. Energy storage system integrator NHOA has ...

### **CIP and GC Storage Services to Develop 2.3GW BESS Pipeline in Italy**

Mar 28, 2025 · 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 ...



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