



Recent energy storage projects in rome





Overview

What is Italy's largest energy storage system based on used batteries?

Italy's largest energy storage system based on used batteries for electric vehicles was inaugurated on Tuesday at Rome's Fiumicino airport to help it reduce carbon emissions.

What is Pioneer Energy Storage System?

Inaugurated on June 3, 2025, at Rome Fiumicino Airport, PIONEER is an energy storage system based on repurposed EV batteries.

How will a new energy storage and management system help the airport?

The introduction of these new energy storage and management systems will allow the maximum use of renewable energy from the solar PV array, to provide balancing services to the National Grid and to reduce the CO2 emissions of the airport, in line with its targets towards "Zero Net Carbon".

What are the innovative features of the energy storage system?

An additional innovative feature relates to the development of equipment able to check the state-of-health of the batteries before their connection to the system. The energy storage system will have a rated capacity of 2.5MW/10MWh. New battery construction will be avoided due to the project.



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[The PIONEER Project: A Milestone in Circular Energy Storage](#)

Inaugurated on June 3, 2025, at Rome Fiumicino Airport, PIONEER is an energy storage system based on repurposed EV batteries.

[Energy storage system based on EV batteries ...](#)

Italy's largest energy storage system based on used batteries for electric vehicles was inaugurated on Tuesday at Rome's Fiumicino ...



[ROME ENERGY STORAGE PROJECT](#)

Rome airports going renewable to power terminals, even at night Enel X will build a PV plant - integrated with a battery energy storage system - at Fiumicino to help meet peak demand ...

[Fiumicino Unveils Europe's Largest EV Battery ...](#)

Italy, June 3, 2025: Enel and Aeroporti di Roma (ADR) have officially launched the Pioneer project, a groundbreaking energy storage initiative ...



[Rome-Fiumicino Airport Decarbonizes Via Batteries](#)

The Rome-Fiumicino Airport will decarbonize by integrating second-life batteries into an energy storage system.



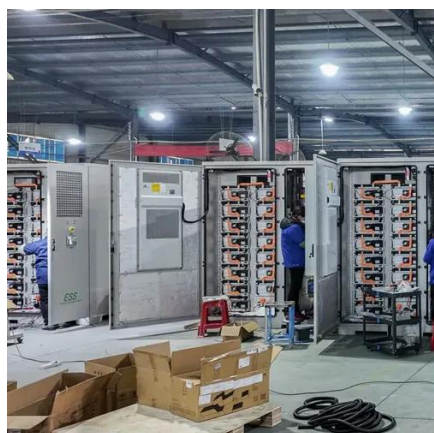
[PIONEER: decarbonising airport operations with second-life car](#)

Rome's Fiumicino Airport, which sees over 50 million passengers each year, is giving new life to used electric car batteries. Through the PIONEER project, they are combining solar energy ...



[Recycled Nissan EV batteries get second life powering Italy's ...](#)

Rome's Fiumicino Airport now uses second-life EV batteries to store solar energy and cut 16,000 tons of CO2 over ten years.



Elgin Energy



ROME, Italy, April 3, 2025: Elgin has officially entered the Italian market with the opening of its new office in the heart of Rome and a partnership with Rinascita Holding. This marks a major ...



[Nissan Leaf batteries given new lease of life at airport](#)

Nissan has repurposed batteries from scrapped Leaf electric cars to create a cutting-edge Battery Energy Storage System for Rome's ...



[Energy storage system based on EV batteries launched at Rome...](#)

Italy's largest energy storage system based on used batteries for electric vehicles was inaugurated on Tuesday at Rome's Fiumicino airport to help it reduce carbon emissions.



[From Car Batteries to Airports: Used Batteries Become a Source ...](#)

Instead of being discarded or wasted, 762 batteries from Nissan, Mercedes-Benz, and Stellantis cars have been transformed into an energy storage system with a capacity of 10 ...



[Rome airport installs hybrid renewable energy project with ...](#)



A new energy storage facility at Rome's Fiumicino Airport is using second hand car batteries in a bid to reach Net Zero Carbon by 2030. The storage system known as "Pioneer" is the largest ...



Hecate Energy

Hecate Energy has developed over 47 solar and energy storage projects exceeding 11.1 GW that are now owned and operated by utilities, ...

[Rome's Fiumicino Airport Unveils Europe's Largest EV Battery Energy](#)

Europe's largest airport solar-battery integration, boosting energy resilience and circular economy leadership. Rome's Fiumicino International Airport has launched Pioneer, ...



[Georgia Power Determines Locations for Four Battery Storage Projects](#)

Georgia Power has identified locations for 500 MW of new battery energy storage systems (BESS) authorized by the Georgia Public Service Commission (PSC) earlier this year as part ...



[Biggest projects in the energy storage industry in 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.

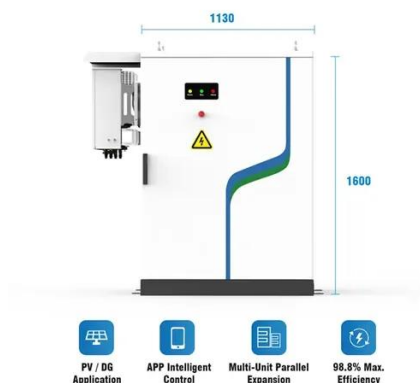


[Enel inaugurates 10 MWh second-life battery project at Italian airport](#)

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 ...

[Energy Storage News , Today's latest by ...](#)

Latest news on energy storage projects, BESS, capacity expansion, and regulatory updates across Europe, US & Canada, Latin ...



[Italy's grid-scale energy storage market: a sleeping ...](#)

The grid-scale energy storage market in Italy is set to become one of the most active in Europe having been close to non-existent until ...



Pioneer project



The project will be developed at Rome Fiumicino International airport and the energy stored will cover evening peak-demand, while also providing flexibility services to the grid.

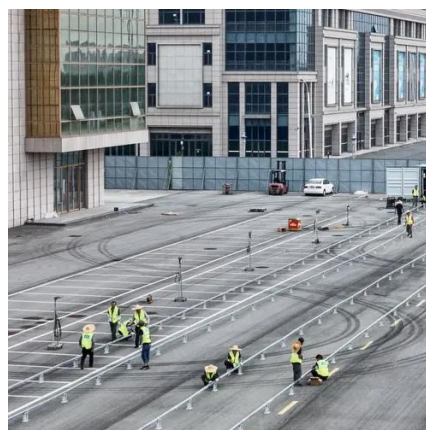


[Matrix Renewables Announces Landmark Agreement To Develop ...](#)

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 through a ...

[The PIONEER Project: A Milestone in Circular ...](#)

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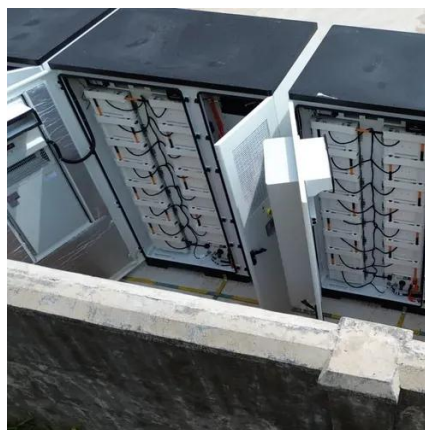
[Fiumicino Unveils Europe's Largest EV Battery Storage System](#)

Italy, June 3, 2025: Enel and Aeroporti di Roma (ADR) have officially launched the Pioneer project, a groundbreaking energy storage initiative designed to accelerate decarbonisation ...

[Rome energy storage project tender announcement](#)

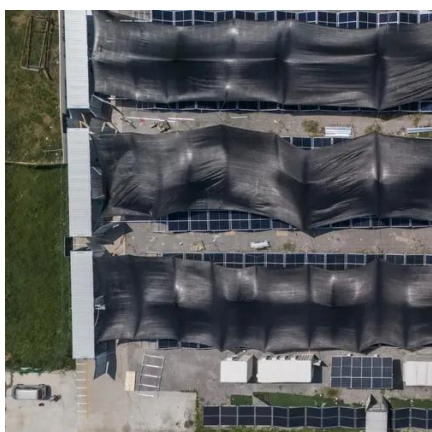


The beneficiaries will be selected through a competitive, transparent, and non-discriminatory bidding process, where electricity storage developers will compete based on offers relating to ...



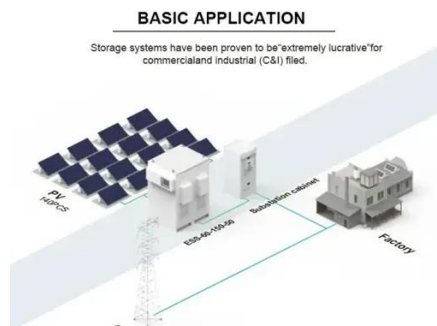
[Which asset owners will drive European storage ...](#)

Recent developments: Earlier this month, Canadian Solar subsidiary e-STORAGE signed contracts with Copenhagen Infrastructure ...



[Rome's Fiumicino Airport Unveils Europe's Largest ...](#)

Europe's largest airport solar-battery integration, boosting energy resilience and circular economy leadership. Rome's Fiumicino ...



[Rome energy storage project plant operation](#)

The Rocky Mountain Pumped Storage project in Rome, Georgia is the last utility grade pumped storage project constructed in the US. Completed in 1996, and generating 848MW of ...

[Enel inaugurates 10 MWh second-life battery project ...](#)



Italy's largest second-life battery energy storage system was officially launched at Rome-Fiumicino airport yesterday. State-owned gas ...





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