

SolarGrid Energy Solutions

Rome III Energy Storage Project



Overview

What is Italy's largest energy storage system?

Enel and Rome Fiumicino Airport have commissioned Italy's largest energy storage system with second-life batteries from electric cars. The stationary 10 MWh storage system uses a total of 762 battery modules from Mercedes-Benz, Nissan and Stellantis vehicles.

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.

Can 2nd-life batteries power the airport in Rome Fiumicino?

As part of the PIONEER project, a commercial use case for 2nd-life batteries in combination with a 30 MWp PV system to power the »Leonardo da Vinci« international airport in Rome Fiumicino will be demonstrated.

What is Pioneer Energy Storage?

Pioneer is the largest energy storage facility in Italy powered by second-life batteries, built to support the energy needs of Leonardo da Vinci Airport.

How a 2nd-life battery storage system can help a local power supply?

Using Rome Airport as an example, the planned 2nd-life battery storage in combination with a PV system shows the way towards the goal of net-zero emissions in the local power supply. In addition, this energy storage will also be used for grid services.

How much electricity does a Bess storage system use?

A capacity of 10 MWh of electricity allows the storage system to balance the

31 GWh supplied by the ADR Solar Farm photovoltaic system. The BESS now installed at Fiumicino Airport is powered by 762 battery modules from Mercedes-Benz, Nissan and Stellantis.

Rome III Energy Storage Project



Here's where Georgia is installing 500 MW of ...

Aug 28, 2024 · Georgia Power has applied for certification of four battery energy storage sites totaling 500 MW expected to come online in 2026.

Rome's Fiumicino Airport Powers Up with Reused EV ...

Jun 6, 2025 · Rome's Fiumicino International Airport has become the first in Italy to deploy a large-scale energy storage system built entirely from used electric vehicle batteries, in a bid to ...



Battery Storage at Fiumicino Airport

Jun 6, 2025 · The Aeroporti Di Roma project at Fiumicino Airport, successfully manages different batteries from car makers Nissan, Mercedes-Benz, and Stellantis. The contractor has ...

SolarPACES

4 days ago · SolarPACES - International solar thermal energy research network developing Concentrating Solar Power (CSP), solar process heat and ...



Second life automotive batteries for energy ...

Jun 4, 2025 · Enel and Rome Fiumicino Airport have commissioned Italy's largest energy storage system with second-life batteries from electric cars. The ...

Nissan Leaf EV batteries find second life as battery storage at Rome

Jun 4, 2025 · Nissan has already carried out similarly successful battery storage projects using second-life EV batteries, such as the Melilla energy storage system project in Spain. These ...

Warranty
10 years

LiFePO₄

Intelligent BMS

Wide Temp:
-20°C to 55°C



Pioneer energy storage system in Fiumicino, Italy

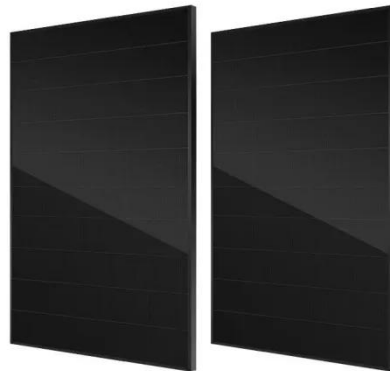
Jun 3, 2025 · This pioneering project came out of our collaboration with ADR -

Aeroporti di Roma and was co-funded by the European Commission through ...



Energy storage system based on EV batteries launched at Rome...

Jun 3, 2025 · 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.



Matrix Renewables announces landmark agreement to ...

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 ...

Enel inaugurates 10 MWh second-life battery project at Italian ...

Jun 4, 2025 · 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 ...



International airport makes surprising use of batteries ...

Jul 2, 2025 · Rome's busy Fiumicino airport just launched Italy's largest energy storage unit made from recycled electric vehicle batteries, reported Reuters. The system, called Pioneer, turns ...

Rome Airport powers up with second-life EV batteries

Jun 4, 2025 · Fiumicino Airport launches Pioneer, a major energy project using recycled EV batteries to boost sustainability and power resilience. An innovative energy storage system is ...



Energy storage trends

Jul 27, 2022 · Energy storage trends - Spotlight on ItalyEnergy storage systems play a crucial role in Italy's

decarbonisation and energy security. On 21 ...



First-ever battery storage option for Oman's Ibri III solar project

Dec 14, 2024 · MUSCAT: A new solar PV based Independent Power Project (IPP), set to come up at Ibri in Al Dhahirah Governorate, is expected to be integrated with utility-scale battery ...



Fiumicino Unveils Europe's Largest EV Battery Storage System

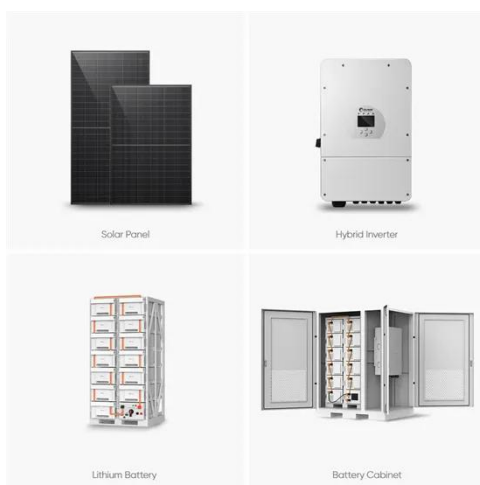
Italy, June 3, 2025: Enel and Aeroporti di Roma (ADR) have officially launched the Pioneer project, a groundbreaking energy storage initiative designed to accelerate decarbonisation ...



Rome's Fiumicino Airport Unveils Europe's ...

Jun 4, 2025 · Rome's Fiumicino International Airport has launched

Pioneer, Europe's largest energy storage system based on second-life electric vehicle ...



PIONEER - Airport Sustainability Second Life ...

The PIONEER project aims to support the »Leonardo da Vinci« international Airport in Rome Fiumicino on its way toward net zero emission airport. A 30 ...

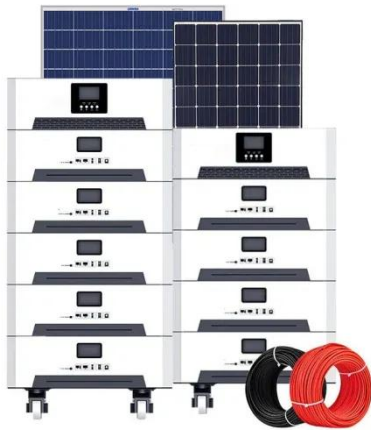
Rome energy storage project plant operation

Located at Great River Energy's Cambridge peaking plant in Cambridge, Minnesota this collaboration aims to revolutionize energy storage capabilities, and serve as a proof of concept ...



A PV plant to help Rome airports to meet peak ...

Jul 17, 2025 · Enel X won a Europe-wide public tender to supply Aeroporti di



Roma (ADR) - operator and developer of Rome Fiumicino and Rome ...

Enel inaugurates 10 MWh second-life battery ...

Jun 4, 2025 · Italy's largest second-life battery energy storage system was officially launched at Rome-Fiumicino airport yesterday. State-owned gas and

...



Rome airport installs hybrid renewable energy project with ...

Jun 4, 2025 · 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.



PSC Akron Solar Project

5 days ago · Application of Akron Solar, LLC for a Certificate of Public Convenience and Necessity to Construct

a Solar Electric Generation Facility
Capable of Generating Up to 200 ...



Battery Asset Management Summit Europe 2024

Building on our successful global portfolio of energy storage network events in Europe and beyond, combined with the exponential buildout of large-scale energy storage, we are ...

Rome Airport Uses 700 Nissan LEAF Batteries in New 10 MWh Energy

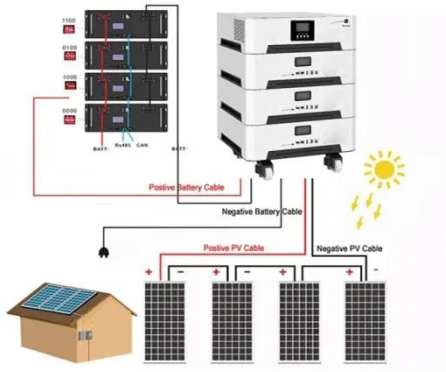
Jun 3, 2025 · Nissan, Enel X, and Loccioni have launched a 10 MWh Battery Energy Storage System (BESS) at Rome's Fiumicino Airport. This project repurposes over 700 used Nissan ...



Renewable Energy Conference

Join experts at Renewable Energy Conference 2026 in Rome. Explore sustainable energy innovations, network

globally, and shape the future. Be ...



Rome energy storage project tender announcement

Does Roma Tre University have an energy community? lity VIII,has established the Energy Community. Roma Tre University,which already serves as a balancing service provider,has ...



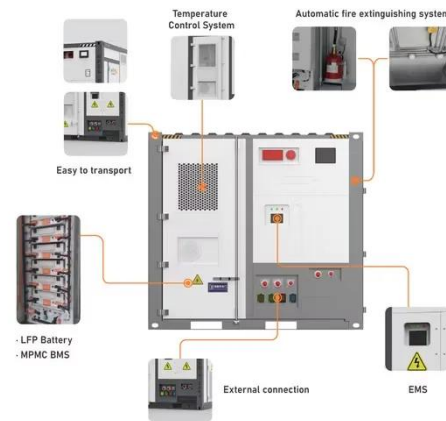
INNOVATION FUND

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. It is the first of ...

Pome - Eolus

4 days ago · In the San Diego Area, Eolus North America is constructing the Pome stand-alone battery storage project with

a capacity of 100 MW/400 ...

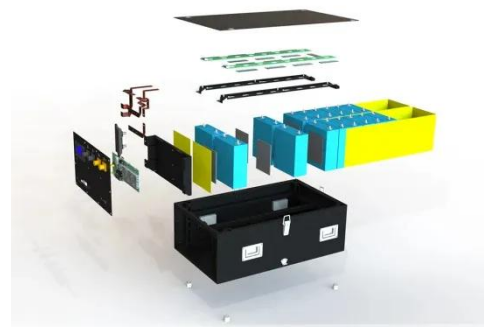


A Rome district transition towards optimal and sustainable ...

Oct 15, 2024 · In this work, a specific district of Rome energy metabolism has been studied to reduce the carbon footprint of electric and thermal energy generation....

1300 MWh! Huawei Wins Contract for the World's Largest Energy Storage

Oct 17, 2021 · This 1300 MWh off-grid energy storage project is the largest of its kind in the world and represents a milestone in the global energy storage industry. The Red Sea Project has ...



Battery Energy Storage Systems Report

Jan 18, 2025 · This information was prepared as an account of work

sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their ...



Jupiter Power Secures \$286 Million Construction ...

Mar 18, 2025 · Jupiter Power has successfully closed \$286 million in project financing to support the construction of two standalone battery energy storage ...



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