

# Rome Emergency Energy Storage Power Supply





## Overview

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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.

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 System?

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

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.



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### Energy Storage for Rome-Fiumicino Airport, Italy , Mercedes ...

Dec 1, 2025 · The system ensures a reliable supply of green electricity to the airport terminals, while also providing flexibility services to the local grid. Energy Storage for Rome-Fiumicino ...

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

Jul 16, 2025 · The project, partially financed by European funds, represents a significant step forward in the field of sustainability, integrating batteries from three distinct automotive ...



### [PIONEER - Airport Sustainability Second Life ...](#)

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 ...



### Rome's Fiumicino Airport Unveils Europe's Largest EV Battery Energy

Jun 4, 2025 · 10 MWh energy storage system repurposes 762 end-of-life EV batteries, supporting peak power needs and decarbonization. Expected CO2 reduction of 16,000 tons over the next ...



[Enel and Rome Fiumicino Airport Launch Italy's Largest ...](#)

Jun 6, 2025 · Enel and Rome Fiumicino Airport have commissioned Italy's largest energy storage system powered by second-life electric vehicle batteries, the companies said on Thursday.



[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 ...



**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 ...







### [Energy Storage for Rome-Fiumicino Airport, ...](#)

Dec 1, 2025 · The system ensures a reliable supply of green electricity to the airport terminals, while also providing flexibility services to the local grid. ...



### [Rome Airport powers up with second-life EV ...](#)

Jun 4, 2025 · An innovative energy storage system is helping Rome Fiumicino International Airport (FCO) harness renewable energy more ...

### **Second life automotive batteries for energy storage at Italian ...**

Jun 4, 2025 · The stationary battery energy storage system (BESS) with automotive batteries has been developed with German research institute Fraunhofer Italia-IEC, Enel X, and system ...



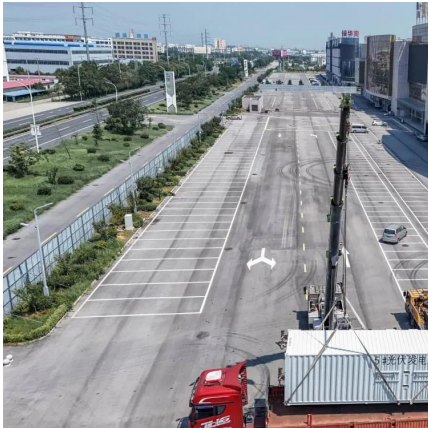
### [Rome Airport powers up with second-life EV batteries](#)

Jun 4, 2025 · An innovative energy storage system is helping Rome Fiumicino International Airport (FCO) harness renewable energy more effectively, capturing power for use even when ...



### [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 ...

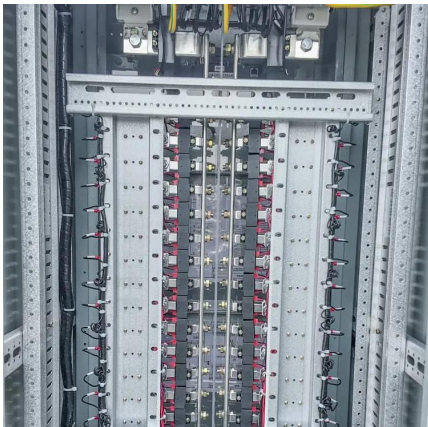


### **Fiumicino Unveils Europe's Largest EV Battery Storage System**

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 ...

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

Jul 16, 2025 · The project, partially financed by European funds, represents a significant step forward in the field of sustainability, integrating batteries ...



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

Jun 4, 2025 · 10 MWh energy storage system repurposes 762 end-of-life EV batteries, supporting peak power needs and decarbonization. Expected ...



[Nissan Leaf EV batteries find second life as ...](#)

Jun 4, 2025 · Nissan Energy has assisted Aeroporti di Roma Fiumicino with a new second-life battery storage system composing of repurposed Nissan ...



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