

Rome Electric Energy Storage Power Station





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.

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 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.



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Italy's largest airport uses recycled EV ...

Jun 4, 2025 · Rome's Fiumicino Airport now uses second-life EV batteries to store solar energy and cut 16,000 tons of CO2 over ten years.

Enel inaugurates 10 MWh second-life battery ...

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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 ...

Enel and Rome Fiumicino Airport Launch ...

Jun 6, 2025 · The stationary battery energy storage system (BESS), with a total capacity of 10 megawatt-hours (MWh), has been installed at ...

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

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Enel powers up 10 MWh second-life battery at Italian airport , Energy

Jun 6, 2025 · Italy's Enel Group (BIT:ENEL) has officially opened a 10-MWh energy storage facility using second-life batteries at Italy's Rome-Fiumicino international airport.

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 ...

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Pioneer energy storage system in Fiumicino, Italy

Jun 3, 2025 · Inauguration of Pioneer, the largest storage facility in Italy with second-life batteries, providing power to the airport Leonardo da Vinci in Fiumicino.



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

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Battery Storage at Fiumicino Airport

Jun 6, 2025 · Italy's largest battery storage at Fiumicino airport, uses second-use batteries from three different automotive brands, another Italian first.

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