



Rome Energy Storage Power Station Project





Overview

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 efforts at Rome's Leonardo da Vinci-Fiumicino Airport.

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The inauguration of the largest energy storage facility using second-life batteries in Italy marks a turning point in the decarbonization of the Fiumicino airport hub. Thanks to the synergy between businesses, institutions and communities, "Made in Italy" innovation continues to lead the energy.

Rome's Fiumicino International Airport has launched Pioneer, Europe's largest energy storage system based on second-life electric vehicle batteries. Developed by Italian utility Enel and airport operator Aeroporti di Roma (ADR), the 10 MWh battery energy storage system (BESS) strengthens the.

Inaugurated on June 3, 2025, at Rome Fiumicino Airport, PIONEER is an energy storage system based on repurposed EV batteries. Loccioni, a key system integrator, has announced the successful development and implementation of PIONEER (airPort sustaInability secONd lifE battEry stoRage), an innovative.

Following the successful submission of the PIONEER project's proposal in the framework of Innovation Funds Call for small scale initiatives, the relevant Grant Agreement was signed by the funding authority (CINEA), the project's Coordinator (Aeroporti di Roma) and the project's partners (Enel X and.

Italy's largest and busiest airport has integrated a total of 162 recycled Nissan Leaf and Stellantis batteries in an innovative battery energy storage system (BESS) to support its goal of reaching net-zero emissions by 2030. Led by the country's leading electricity and gas distributor Enel and.

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 efforts at Rome's Leonardo da Vinci-Fiumicino Airport. The



advanced system repurposes used EV batteries from multiple.



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

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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 ...



[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.

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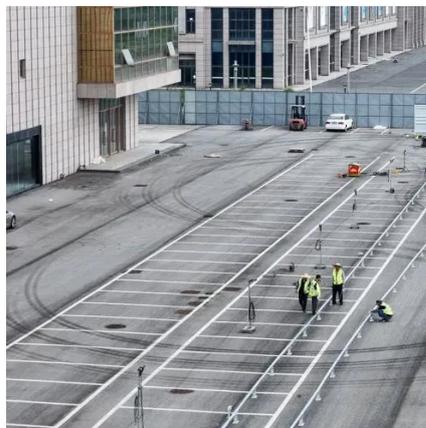
[Energy storage system based on EV batteries ...](#)

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



Pioneer plant at Fiumicino airport

Built by Enel and Aeroporti di Roma with the scientific support of the Fraunhofer Institute, Pioneer is the largest energy storage system ...



PIONEER - Airport Sustainability Second Life Battery Storage

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 ...



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.



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

Developed by Italian utility Enel and airport operator Aeroporti di Roma (ADR), the 10 MWh battery energy storage system (BESS) ...

[Pioneer energy storage system in Fiumicino, Italy](#)

The inauguration of the largest energy storage facility using second-life batteries in Italy marks a turning point in the decarbonization of the Fiumicino airport hub.



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

Developed by Italian utility Enel and airport operator Aeroporti di Roma (ADR), the 10 MWh battery energy storage system (BESS) strengthens the airport's energy autonomy ...



[Pioneer energy storage system in Fiumicino, Italy](#)



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Pioneer plant at Fiumicino airport

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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.



Fiumicino Unveils Europe's Largest EV Battery Storage System

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



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