



# Rome base energy storage project

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 System?

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

What is Pioneer (Airport sustainability second life battery storage)?

Loccioni, a key system integrator, has announced the successful development and implementation of PIONEER (airport sustainability second life battery storage), an innovative second-life battery energy storage system (BESS) designed for airport applications.

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.

These batteries contribute 2.1 MWh of energy storage to the overall project. The reused batteries are Gen 3 30kWh and Gen 4 40kWh LEAF batteries, sourced from high-mileage vehicles ...

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 MWp photovoltaic system is planned for this ...

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.

The project, partially financed by European funds, represents a significant step forward in the field of sustainability, integrating batteries from three distinct automotive manufacturers (Nissan, ...

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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 ...

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

An innovative energy storage system is helping Rome Fiumicino International Airport (FCO) harness



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renewable energy more effectively, capturing power for use even when the sun isn't ...

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 ...

Mercedes-Benz Energy is helping to enhance the energy efficiency of Rome Fiumicino Airport with its battery storage solutions. The project utilizes repurposed vehicle batteries from ...

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