

# Rome energy storage power station



## Overview

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10 MWh energy storage system repurposes 762 end-of-life EV batteries, supporting peak power needs and decarbonization. Expected CO<sub>2</sub> reduction of 16,000 tons over the next decade—supporting Fiumicino's Net Zero by 2030 target. Europe's largest airport solar-battery integration, boosting energy. Through the PIONEER project, they are combining solar energy with a battery system, which can turn yesterday's car power into today's clean energy storage. Thanks to the synergy between businesses, institutions and communities, “Made in Italy” innovation continues to lead the energy. 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. The project will be developed at Rome Fiumicino International airport.

## Rome energy storage power station

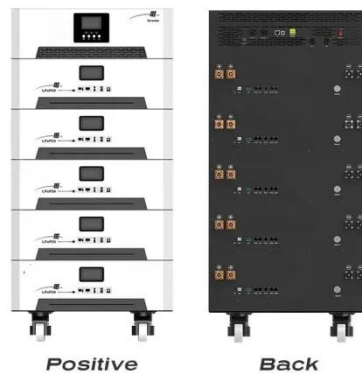


### Rome's Fiumicino Airport Unveils Europe's Largest EV Battery Energy

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 ...

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

The system is fully linked with Fiumicino's newly operational "Solar Farm," Europe's largest airport-based self-consumption photovoltaic installation, which began generating power in January ...



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### Italy's largest airport uses recycled EV batteries for power

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

### 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.



## 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 addition, ...

## 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 in Italy based on second-life batteries, and one of the ...



## 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.



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### **PIONEER: decarbonising airport operations with second-life car**

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 ...



### **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.

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### **Rome airport installs hybrid renewable energy project with second ...**

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. The storage system known as "Pioneer" is the largest in Italy using ...



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