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# Rome Energy Storage Construction Project

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 are the innovative features of the energy storage system?

An additional innovative feature relates to the development of equipment able to check the state-of-health of the batteries before their connection to the system. The energy storage system will have a rated capacity of 2.5MW/10MWh. New battery construction will be avoided due to the project.

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.

How will a new energy storage and management system help the airport?

The introduction of these new energy storage and management systems will allow the maximum use of renewable energy from the solar PV array, to provide balancing services to the National Grid and to reduce the CO2 emissions of the airport, in line with its targets towards "Zero Net Carbon".

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ENGIE and NHOA have confirmed a partnership to build a 320 MWh battery energy storage system (BESS) at Drogenbos, Brussels. This project is ENGIE's third battery storage ...

Rome - July 4, 2023 - Matrix Renewables ("Matrix"), the TPG Rise-backed global renewable energy platform, today announced that it has started a partnership with Gravel A through a ...

In partnership with German research institute Fraunhofer, ADR (Aeroporti di Roma) and Enel have launched the Pioneer project (airport sustainability second life battery ...

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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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 ...

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.

The battery-energy storage system's construction began in spring 2024 in the Cargo City area of Fiumicino Airport, led by Aeroporti di Roma and Enel, and supported by ...

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

Located at Great River Energy's Cambridge peaking plant in Cambridge, Minnesota this collaboration aims to revolutionize energy storage capabilities, and serve as a proof of concept ...

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