



# Rome container solar container lithium battery factory energy

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.

Which car batteries are used at Fiumicino Airport?

The BESS now installed at Fiumicino Airport is powered by 762 battery modules from Mercedes-Benz, Nissan and Stellantis. The project using electric car batteries dates back to 2022, when a collaboration was launched with Luccioni. Stellantis provided 78 second-life batteries, belonging to the eCMP electric platform dedicated to B-segment cars.

Are new batteries the future of electric transport?

While electric transport continues to grow, one field remains certain for second-life applications: new batteries that carmakers often have sitting around without ever having seen any use at all because of rapid technological developments or discontinued models.

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 energy storage ...

Rome Fiumicino leads as a sustainable airport with Europe's largest second-life battery energy storage system. As Italy's largest hybrid second-life battery energy storage system and one of the largest in ...

Rome's Fiumicino Airport now uses second-life EV batteries to store solar energy and cut 16,000 tons of CO<sub>2</sub> over ten years.

The project demonstrates how circular economy models can help reimagine the life cycle of critical materials, such as lithium-ion batteries and contribute directly to energy transition goals. Fiumicino - also ...

The Aeroporti Di Roma project at Fiumicino Airport, successfully manages different batteries from car makers Nissan, Mercedes-Benz, and Stellantis. The contractor has repurposed 762 battery packs and ...

High-efficiency Mobile Solar PV Container with foldable solar panels, advanced lithium battery storage (100-500kWh) and smart energy management. Ideal for remote areas, emergency rescue and ...

The stationary battery energy storage system (BESS) with automotive batteries has been developed with German research institute Fraunhofer Italia-IEC, Enel X, and system integrator Luccioni at ...

Enel's Pioneer project is expected to last 10 to 15 years and has been integrated with Rome-Fiumicino airport's Solar Farm, self-consumption PV system.



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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 Mercedes-Benz as ...

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 ...

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