

## Kongres Container

# Italian chemical energy storage project



## Overview

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EDP Energia Italia, a division of the European renewables leader EDP Group, has partnered with IGAT, a chemical company under the SIAD Group, to construct a 2.5 MWp photovoltaic (PV) plant with integrated energy storage at IGAT's industrial site in Caserta, southern Italy. Where in Italy will a new battery energy storage system be built?

The largest project, a 160 MW facility, will be built in the municipality of Tuscania. Italy's Ministry of the Environment and Energy Security (Mase) has issued final approvals for five new battery energy storage system (BESS) projects, paving the way for 361 MW of new capacity to be added to the nation's grid.

How is Italy transforming its energy system?

Italy, like much of Europe, is undergoing a rapid transformation in how it generates and distributes energy. With solar PV and wind power ramping up quickly, grid operators are increasingly reliant on energy storage systems to manage variability and avoid curtailment of renewable energy during periods of oversupply.

Does Italy need 9gw/71gwh of energy storage?

Italy's TSO Terna says it needs 9GW/71GWh of energy storage by integrate its renewables pipeline. Image: Terna. The European Union (EU) Commission has approved a state aid scheme aiming to fund the rollout of over 9GW/71GWh of energy storage in Italy.

Will Italy get a state aid scheme for energy storage?

The European Union Commission has approved a state aid scheme aiming to fund the rollout of over 9GW/71GWh of energy storage in Italy.

Why should we invest in Italy's digitised energy infrastructures?

The company's commitment translates into both proprietary solutions and

adaptation - already today - to the most stringent EU requirements for digitised energy infrastructures. The Italian storage market also represents a key test bed for large-scale integration of renewables and smart grid management.

How many storage systems are there in Italy?

More specifically, 311,189 storage systems were present in Italy in mid- 2023, with a total power of 2,329 MW and a maximum capacity of 3,946 MWh.

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