

## Energy storage for backup power rome

The innovative system was entrusted to Enel X, which handled its design and integration within the airport's energy infrastructure. It is working closely with Loccioni, which was selected as the system's integrator, bringing to the project its expertise in connecting the energy and e-mobility domains. Enel X also will develop BESS's innovative energy management systems in order to optimize operation. When fully operational, BESS will be able to store up to 10 MWh of green energy for the airport's terminals, while simultaneously providing flexibility services to the grid.

The activity developed by Enel X's innovative work will help AdR in the optimization of its energy performance, thereby supporting its efforts to reduce CO<sub>2</sub> emissions. The project marks a further step toward the validation of innovative approaches in BESS, which is considered one of most important enablers for grid stability and the adoption of renewable energy.

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BESS, or battery energy storage systems, are an essential element of the energy transition: the Enel Group is playing an important role in the growth of the sector, in Italy and in the other countries where it is present.

Italy's latest capacity market auction has catalyzed 233 MW of new capacity with the lion's share of projects secured by EP Produzione across two battery storage developments.

Italy's latest capacity market auction for power to be delivered next year assigned 42.2 GW of capacity, data published by transmission system operator Terna showed. These include nearly 37.6 GW of existing capacity, around 233 MW of new capacity, as well as 4.36 GW of capacity from abroad.

While Terna has not announced how much battery storage capacity was catalyzed by the auction, Rome-headquartered power generation company EP Produzione, a subsidiary of Czech energy group EPH, said it had won contracts for two projects.

The project will be a further step forward "in the conversion of the plant, after the coal phase-out, into an integrated energy hub based on renewable and low-carbon technologies capable of contributing to the energy security and sustainable transition of the island," the company said.

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