



BUHLE POWER

Spain wind solar and storage integrated project





Overview

Enlight Renewable Energy has announced the expansion of its Gecama Wind Project in Spain, transforming it into the largest hybrid power complex in the country by integrating wind, solar, and utility-scale battery storage. What is energy storage in Spain?

It targets large-scale energy storage projects in Spain. It focuses on technologies like standalone battery energy storage systems (BESS), pumped hydro energy storage (PHES), and thermal energy storage. The program supports hybrid projects, which combine storage with renewable energy, such as solar or wind farms.

How will Spain increase its energy storage capacity?

Spain has launched an ambitious €700 million (around \$796 million) program to increase its energy storage capacity. This plan will add 2.5 to 3.5 gigawatts (GW) of storage. It includes pumped hydro, thermal energy storage, and battery systems.

Why should Spain invest in energy storage?

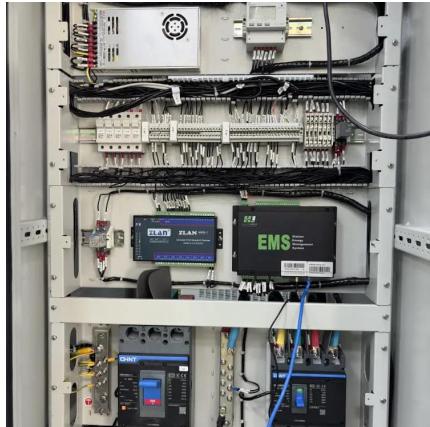
Investing in energy storage helps Spain meet its climate goals. This includes achieving carbon neutrality by 2050. Storing renewable energy instead of wasting it helps the country rely less on fossil fuels. This also cuts down greenhouse gas emissions. Pumped hydro, thermal storage, and battery systems are effective technologies.

What is Spain's largest wind farm?

Currently, it is the country's "largest" wind farm with a capacity of 329MW, the firm said. The project is expected to reach commercial operation in the second half of 2026. "With the financial close at Gecama, Enlight expands one of its core assets into Spain's first hybrid complex of its kind," said Gilad Yavetz, CEO of Enlight.



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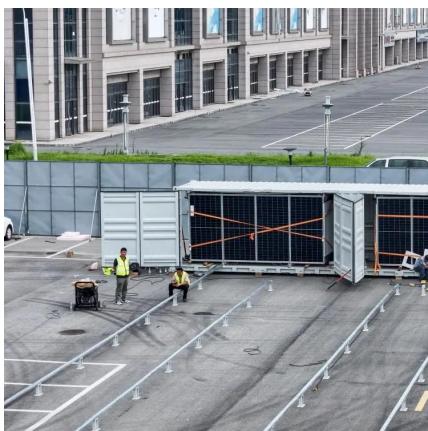


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Enlight adds PV, BESS to Spain's largest wind farm

Jun 5, 2025 · Enlight Renewable Energy is expanding its Gecama Wind Project in Spain, by integrating solar PV and battery energy storage systems (BESS).



Enlight Secures \$310M for Hybrid Renewable Project in Spain

Jun 6, 2025 · Enlight secures \$310M to add solar and battery storage to Spain's largest wind farm, creating the country's biggest hybrid renewable energy complex.



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