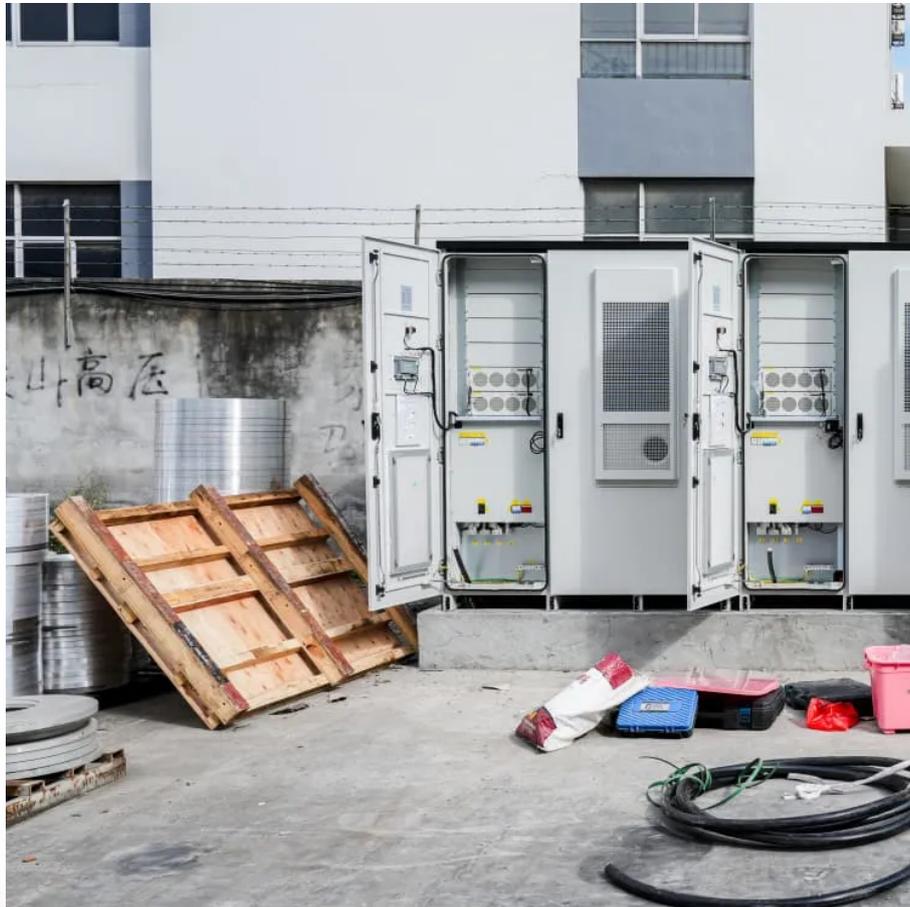


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Polish power plant energy storage system project



Overview

Polish state-owned power firm PGE has commenced construction of a 262MW/981 MWh battery energy storage system (BESS) in Żarnowiec, marking a significant milestone in the country's energy infrastructure development. What is the most advanced energy storage project in Poland?

The most advanced energy storage project in the PGE Group's portfolio is the Żarnowiec Energy Storage Facility. With a power output of 262 MW and a storage capacity of around 981 MWh, the facility will be by far the largest battery energy storage facility in Poland and one of the largest in Europe.

What is the largest battery energy storage facility in Poland?

With a power output of 262 MW and a storage capacity of around 981 MWh, the facility will be by far the largest battery energy storage facility in Poland and one of the largest in Europe. The contractor on the project will be LG Energy Solution Wrocław.

Is PGE a leader in energy storage in Poland?

PGE is already a leader in energy storage in Poland, with a nearly 90% share in pumped-storage power plants. The group is working on a 400 MW/800 MWh BESS in Gryfino in the Silesian province and has another three smaller ones already in operation.

How many GWh of energy storage capacity will Poland have by 2035?

In a bid to tackle the challenge of the growing electricity production from renewable energy sources, the Polish utility is looking to add more than 10 GWh of energy storage capacity by 2035. Its plans involve more than 80 projects, the value of which is estimated at around PLN 18 billion (\$4.7 billion).

How much power can a storage facility store in Poland?

The nominal capacity of the storage facility will be about 981 MWh, the

achievable power in the discharge direction will be 262.2 MW, and in the charging direction -- 269.4 MW. The project has obtained the first promise of a concession for storing electricity in Poland and has a grid connection agreement.

Which pumped hydro facility will be built in Poland?

A pumped hydro facility in Poland where the BESS will be built. Image: PGE. State-owned power producer PGE Group has selected LG Energy Solution to provide the BESS for a 263MW/900MWh project it will build in Poland, for a total of PLN1.555 billion (US\$385 million).

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