

Grid stabilization warsaw

PGE Dystrybucja – a PGE Group unit – has obtained PLN 43 million (EUR 10 million) funding from the National Fund for Environmental Protection and Water Management (NFOiGW) for construction of three energy storage facilities: Warta, Jeziorsko and Cisna. The project is designed to stabilize domestic grid operations, at a total cost of PLN 88.5 million.

Stable operation of the distribution network makes it possible to ensure safe electricity supplies to nearly 6 million customers of the largest Distribution System Operator (DSO) in the country, PGE Dystrybucja.

Three new energy storage facilities with a total power of 7 MW and capacity of 19 MWh will be built in areas particularly exposed to power outages and deterioration of grid quality parameters, i.e. in the Podkarpackie and Łódzkie provinces.

"Each of the three depots will ensure continuity of power supply for at least two hours in the event of a failure, giving time to rectify the fault and giving customers greater certainty and stability of energy supply," says Wojciech Dąbrowski, President of the Management Board of PGE Polska Grupa Energetyczna. The storage facilities will also be used for grid balancing, which will positively affect the possibility of connecting new RES installations, he adds.

"We have started financing grid stabilization projects. Their aim is to improve the quality parameters of electricity in the distribution network by, inter alia, adjusting it to the requirements related to the development of RES," says Artur Michalski, Deputy President of the NFOiGW.

"Thanks to today's agreement, over PLN 43 million will go to PGE for the construction of three energy storage facilities. The storages will play a major role in areas where there are frequent failures or power cuts. They will ensure stable access to energy," adds Michalski.

The construction of the substations in the indicated locations – in the Sanok and Sieradz power districts – was dictated by the need to ensure the safe supply of electricity to customers living in areas previously exposed to frequent power cuts and the deterioration of voltage parameters in the event of failures on the main power line.

According to BloombergNEF calculations, a record was set in 2022 with 16 GW of capacity (35 GWh of capacity) coming on stream globally, an increase of 68% y/y, and several countries have announced ambitious energy storage targets totalling more than 130 GW by 2030. The market is forecast to grow at an average annual rate of 23% over the next few years, with a cumulative forecast of 508 GW (1,432 Gwh) by the end of the decade, including 114 GW in EMEA.



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The goal is clear: to create a robust energy storage network that supports Poland's move towards a decentralized, renewable energy-based grid. SolaX Power, with its diverse portfolio of storage solutions, is ideally positioned to be a key partner in this transformation, ensuring that Polish households and businesses alike can leverage this opportunity to contribute to a sustainable energy future.

SolaX Power's full spectrum of energy storage products offers tailored solutions for both residential and commercial applications. The product lineup includes state-of-the-art inverters and energy storage systems that cater to the specific needs of different segments of the market:

Residential Energy Storage Solutions: SolaX offers a range of residential storage inverters with capacities from 3 to 15 kW. These systems are designed for homeowners who want to maximize their solar energy usage, reduce grid dependency, and ensure energy security during peak demand or outages. Compatible with various battery systems, SolaX's residential storage solutions are easy to install and feature intelligent energy management capabilities that optimize energy production and consumption for maximum efficiency.

In the commercial and industrial segment, SolaX's flagship products, the AELIO and TRENE series, set new standards in energy storage performance and reliability:

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