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Ukraine Energy Storage Frequency Regulation Project

Overview

The project envisages construction and grid connection of energy storage systems within the guaranteed right to provide primary frequency regulation (FCR) services in the amount of 25 MW and secondary frequency regulation (aFRRs) in the amount of 5 MW, as a.

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Ukraine’s 400 MWh battery project dwarfs most Eastern European installations, and is expected to come online in October 2025, ahead of the winter. DTEK and Fluence have begun commissioning Ukraine’s largest battery energy storage system, a 200 MW/400 MWh installation spread across six sites that.

Energy investor DTEK and system integrator Fluence have initiated commissioning for a portfolio of six battery energy storage system (BESS) projects in Ukraine, totaling 200MW/400MWh capacity. The projects, ranging from 20MW to 50MW and all providing 2-hour duration, are now undergoing.

DTEK and Fluence Energy have entered the commissioning phase for Ukraine’s largest battery energy storage system (BESS) – 200MW of capacity spanning six sites across the country. This project now ranks among the biggest in Eastern Europe. The portfolio includes 698 Fluence Gridstack cubes with a.

This is a complex project finance agreement, which also involves the European Bank for Reconstruction and Development (EBRD) in terms of project risk sharing. We are grateful to our partners for their trust and cooperation in the implementation of an important project to support the resilience of.

Turning point: Ukraine has approved a regulatory framework to quicken investment in new power generation and energy storage facilities. The

National Commission for Regulation of the Energy Market (NERC) adopted a resolution to introduce special auctions for auxiliary services to provide frequency.

Hydropower is the only large-scale and cost-efficient storage technology available in Ukraine today. Pumped storage hydro power plants with reservoirs are still the only technology offering economically viable large-scale energy storage in Ukraine. Further development of pumped storage will play a. What is Ukraine's first large-scale energy storage facility?

In September, DTEK, in partnership with U.S.-based Fluence Energy B.V., launched Ukraine’s first large-scale energy storage complex. The facility can store up to 400 megawatt-hours (MWh) of electricity — enough to power 600,000 households for two hours.

How many energy storage systems do we need?

“The total need for energy storage systems is approximately 1.3 GW,” Zaichenko said. “The systems already in operation have improved the quality of frequency and power regulation within the grid.” Zaichenko noted that not only DTEK and KNESS have launched storage projects, but other energy market participants as well.

Are DTEK and Kness launching storage projects?

Zaichenko noted that not only DTEK and KNESS have launched storage projects, but other energy market participants as well. As of late September, winners of Ukrenergo’s special auxiliary service auctions had commissioned 286 megawatts (MW) of new energy facilities.

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