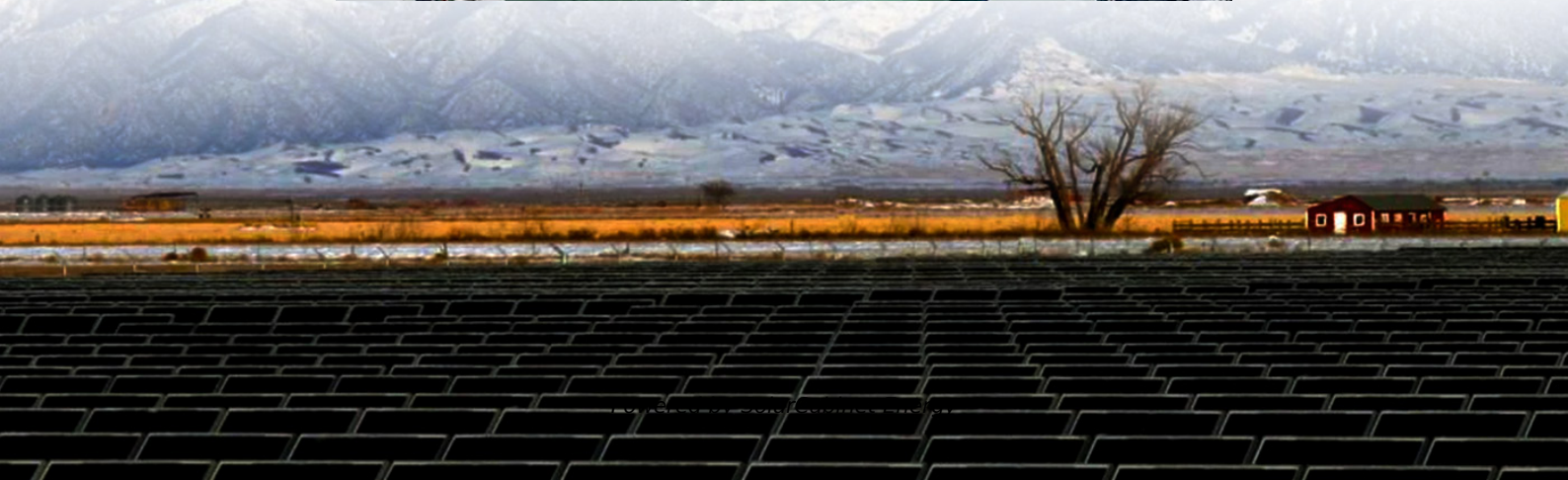


Is Ukraine suitable for energy storage power station investment





Overview

Green transition vector — With EU influence and global trends, Ukraine is expected to accelerate renewable energy and storage projects, positioning itself as a regional hub for modern, sustainable power. Ukraine's energy system is simultaneously fragile and full of untapped potential. What does DTEK's new energy storage system mean for Ukraine?

The new project aims to strengthen Ukraine's energy security and support the transition to a greener energy system. DTEK Group aims to commission the new storage systems by September 2025.

Should Ukraine build a decentralized and diversified energy system?

The Ukrainian government (2023) recently declared that building a decentralized and diversified energy system—one that is more resilient against military attacks or natural disasters and can enhance energy security while facilitating the transition to renewable energy sources (RES)—will be a key priority.

Will DTEK build a 200MW battery energy storage system in Ukraine?

DTEK unveils €140m plan for 200MW battery energy storage systems in Ukraine. (Credit: DTEK) DTEK Group, a private investor in Ukraine's energy sector, has announced a €140m investment plan to construct a series of battery energy storage systems (BESS) in the country with a combined capacity of 200MW.

What kind of energy does Ukraine need?

Ukraine heavily depends on imported oil, coal and natural gas. Before the war, Ukraine's energy needs were met through a mix of domestic production and imports. According to the International Energy Agency (IEA), Ukraine's total energy supply in 2022 comprised coal (21.7%), nuclear (26.5%), natural gas (25.1%) and oil (18.6%).

Why is DTEK investing €140m in a battery energy storage system?



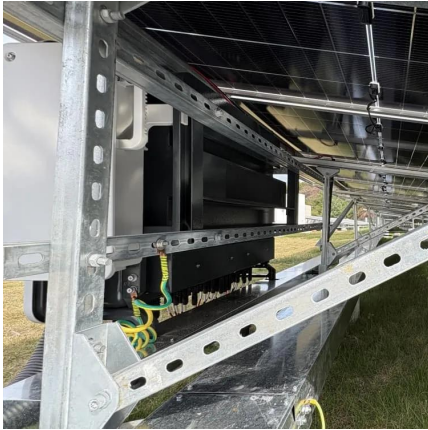
(Credit: DTEK) DTEK Group, a private investor in Ukraine's energy sector, has announced a €140m investment plan to construct a series of battery energy storage systems (BESS) in the country with a combined capacity of 200MW. The new project aims to strengthen Ukraine's energy security and support the transition to a greener energy system.

How much energy does Ukraine need in 2022?

The decline in energy availability is stark: Before Russia's full-scale invasion on 24 February 2022, Ukraine produced 44.1 gigawatts hours (GWh) of electricity, mainly with nuclear, thermal, and hydroelectric plants (UNHR, 2024). Winter electricity needs stood at 26 GWh.



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To support a green and sustainable energy transition in Ukraine, it is crucial to eschew investment projects that could trap Ukraine in lock-in situations and instead promote a ...



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In the short term: Driven by factors such as the damaged power facilities, rising electricity prices, and the urgent need for energy security, the demand for energy storage in ...

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1. The financial requirements to invest in an energy storage power station can vary significantly based on several critical factors.2.



On average, initial costs can range from ...



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The war by Russia against Ukraine has a serious impact on Ukraine's economy, particularly the energy sector. One of the most important aspects is the destruction of energy facilities due to ...

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Ukraine's energy system is simultaneously fragile and full of untapped potential. Its demonstrated ability to recover quickly, combined with export integration into Europe, makes ...



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