

## Manufacturing energy storage ukraine

Investor DTEK will build 200MW of battery energy storage systems (BESS) in Ukraine as the country enters its third winter of war with Russia, with continued attacks on its electricity infrastructure looming.

The company will invest EUR140 million (US\$155 million) in the series of projects, which are aimed at both helping to build a more green energy system but also to mitigate against Russian attacks on its infrastructure, which have ramped up recently and are set to continue into winter.

The BESS projects will come online no later than September 2025 and will provide ancillary services to Ukraine's transmission system operator (TSO) Ukrenergo, following DTEK winning the right to provide ancillary services--primarily automatic frequency restoration reserves--in a competitive auction on 22 August.

The agreement covers numerous projects distributed across Ukraine. BESS are vital in making possible the decentralisation of Ukraine's energy sector, the announcement said, by helping it move from a system dominated by a few power stations to one with thousands of energy sources. The country needs BESS to balance supply and demand in the event of generation surges.

Russia has been strategically attacking substations to take nuclear power plants offline, a local source told Energy-Storage.news, as attacking the stations themselves risks another Chernobyl-like disaster. The BESS's ancillary service capabilities have been procured with an eye on minimising such substation outages.

DTEK is also building one of the first large-scale BESS projects in Poland, a 132MW system with a 2027 capacity market contract acquired from developer Columbus Energy earlier this year. DTEK deployed Ukraine's first large-scale BESS too, back in 2021, utilising Powin battery modules in a BESS integrated by technology firm Honeywell (pictured above).

Executives from DTEK will be speaking at Solar Media's Energy Storage Summit Central Eastern Europe in two weeks's time (24-25 September) in Warsaw, Poland.

DTEK, the largest private investor in Ukraine's energy sector, has today announced they will build a series of energy storage systems in Ukraine with a total capacity of 200MW, which will provide ancillary services to Ukrenergo, the country's transmission system operator.

According to DTEK, the systems will be commissioned no later than September 2025, after which they will start providing ancillary services, namely that of automatic frequency restoration reserves - a reserve in the power grid that helps to keep the grid frequency stable.



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The agreement involves a number of assets, geographically distributed across Ukraine. DTEK Group won the right to provide ancillary services to Ukrenergo in a competitive auction on 22nd August, alongside other industry players.

Commenting in a release was DTEK CEO Maxim Timchenko: "Despite the war and limited access to foreign capital markets, we continue to invest in Ukraine - not only to restore destroyed infrastructure but also to build new facilities in line with our long-term strategy.

"Our priority remains unchanged: to develop green energy in Ukraine, accelerate the integration of the country's energy system into Europe and to strengthen our country's energy security."

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