

Did Russian drone attack damage Ukraine's thermal power plants?

Ukraine's biggest private energy company, DTEK, said the attack "seriously damaged" its thermal power plants. Ukrainian service personnel use a searchlight as they look for drones in the sky over the city during a Russian drone strike late Thursday in Kyiv. (Gleb Garanich/Reuters)

Did Russia's renewed attacks on energy infrastructure damage Ukraine's nuclear reactors?

The agency said after Friday's attack that five of Ukraine's nine operating nuclear reactors had to reduce their power output because of Russia's "renewed attacks on energy infrastructure." The first reports of damage after the assault came from western Ukraine.

How has Ukraine managed its electricity deficit?

The deficit has been managed by Ukraine's state-owned electricity transmission system operator, Ukrenergo, through rolling cuts to supply, limiting electricity provision in the worst-affected regions to a few hours per day.

Does Ukraine have a district heating system?

Ukraine's extensive district heating network, which provides most of the hot water and space heating in large cities, has been repeatedly targeted by Russian forces since the 2022 invasion. In 2022, more than one-third of Ukrainian households were connected to the district heating network, according to the State Statistics Service.

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5 ???&#0183; Some residents and businesses have rushed to install new generating capacity in an attempt to access energy independently of the central energy system. "Overall in Ukraine there is a steady trend towards energy independence, starting from small [consumer] clients and ending with business," said Serhiy Kovalenko, CEO of Yasno, a leading ...

Researchers at ETH Zurich have been working with researchers from Ukraine and Germany to investigate how to rebuild Ukraine's destroyed energy infrastructure based on renewable energy. They have determined that ...

6 ???#0183; Ukraine's potential as a huge source of renewable energy makes this battle even more important. With the confidence of international investors and partners behind us, Ukraine can become a green energy hub for Europe as President Zelensky has suggested. In a world where renewable energy capacity grew by 50% globally last year, Ukraine has the space, skills, ...

An agreement was signed with tech developer Schneider Electric for projects to enhance energy efficiency, ensure supply reliability and promote sustainable energy across Ukraine. Also, an agreement was signed ...

The report envisions a scenario of shift towards domestic renewables and low-emission technologies, which would make Ukraine self-sufficient in terms of primary energy, reaching 98% by mid-century. This transformation would not only contribute to energy security but also mitigate the impact of regional and global energy crises on Ukraine.

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An agreement was signed with tech developer Schneider Electric for projects to enhance energy efficiency, ensure supply reliability and promote sustainable energy across Ukraine. Also, an agreement was signed between DTEK and US-based tech company Honeywell for the deployment of battery storage technology, modular refining and gas processing ...

This report describes the urgent challenges facing Ukraine's energy sector and outlines tangible actions that can be taken by Ukraine and its partners to address its immediate energy security vulnerabilities ahead of the winter, while bolstering long-term resilience.

We urge countries to further contribute to Ukraine's energy system restoration and green transformation both independently and collectively via allocating necessary funds to the energy recovery projects and programs managed by international organisations, while coordinating their assistance plans and efforts to avoid overlap, ensure orderly ...

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2 ???#0183; The International Atomic Energy Agency had made a renewed call on Thursday for Russia to stop targeting Ukraine's energy infrastructure: The agency's board of governors ...

Researchers at ETH Zurich have been working with researchers from Ukraine and Germany to investigate

how to rebuild Ukraine's destroyed energy infrastructure based on renewable energy. They have determined that solar and wind energy would quickly deliver a distributed power supply system and prevent corruption.

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