

## ContainerPower Energy Solutions

**Ukraine has several 5G base stations with a total capacity of 6.9MWh**



## Overview

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Is Ukraine implementing 5G technology?

Ukraine is taking the first steps in implementing 5G technology, which marks a new era in the development of mobile communications in the country. In particular, Vodafone and Nokia recently held a 5G teleconference to demonstrate the capabilities of the new technology. Learn more about the 5G launch.

How many 5G base stations are there in China?

In data collected between July 2022 and June 2024, China was reported to have had around 3.5 million 5G base stations installed across the country, with Chinese mobile operators investing heavily in 5G infrastructure. By comparison, the European Union had around 460,000 thousand base stations, while the United States had approximately 175,000.

Is Russia stalling Ukraine's 5G plans?

While many operators across Europe have focused on launching 5G networks, the same can't be said for Ukraine. Speaking to DCD, Stanislav Prybytko, director general of the directorate for mobile broadband for Ukraine's Ministry of Digital Transformation, explains that the war with Russia has stalled the country's 5G goals.

Did Ukraine launch 5G in a test mode?

Ukraine has launched 5G for the first time in a test mode, initiated by international mobile operator Vodafone. This was reported by Deputy Prime Minister of Digital Information Mykhailo Fedorov. Vodafone and Nokia hold a 5G teleconference between Ukraine and Finland.

How many base stations are there in Ukraine?

"We've had more than 10 percent of our sites completely or partially destroyed," explains Sasha Ananyev, head of the network operation

department at Vodafone Ukraine. That's roughly 1,400 base stations, and does not include base stations located in Donetsk and Luhansk, areas that have been occupied by Russia since 2014.

Will 5G introduce a health hazard in Ukraine?

In response to public pressure on alleged health hazards from 5G introduction in Ukraine,<sup>51</sup> an order from the President of Ukraine from July 2020 requested NCCIR to propose a number of measures to resolve the issue and provide the public with the appropriate information on the impact of mobile technologies and networks.

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