



**SolarTech Power Solutions**

# **Czech Communications 2MWH 5G base station**



## Overview

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What is the implementation and development of 5G networks in the Czech Republic?

The Implementation and Development of 5G Networks in the Czech Republic document is a sub-strategy focused on a specific area of constructing and developing infrastructure for high-speed communication. It is part of the Digital Czech Republic concept and the Innovation Strategy of the Czech Republic 2019-2030.

Is the Czech Republic ready for 5G?

The situation in the Czech Republic is also in line with the global development, because at present, only NSA networks have been deployed around the world. The second phase is to run purely networks that fully comply with the upcoming specifications for 5G standalone (SA) networks.

Which MNOs have 5G coverage in the Czech Republic?

Vodafone covers over 96.47%, O2 over 93.56% and T-Mobile 93.40% of the population in the Czech Republic (data as of 1 November 2024). The three MNOs, in cooperation with the Prague Public Transit Company (DPP) and CETIN, have also deployed 5G coverage in all stations across the Prague metro network.

Which mobile networks cover the most populated areas in the Czech Republic?

All mobile network operators (MNOs) have deployed 5G networks focusing on coverage of the most populated areas and specifically cities. Vodafone covers over 96.47%, O2 over 93.56% and T-Mobile 93.40% of the population in the Czech Republic (data as of 1 November 2024).

Is there a network sharing agreement between T-Mobile and O2 Czech Republic?

Yes, there is a network sharing agreement between O2 Czech Republic a.s. / CETIN a.s. and T-Mobile Czech Republic a.s. which was concluded in 2011 and has been increasing in scope since. So far it covers 2G, 3G, 4G and 5G and the entire territory of Czechia except for Prague and Brno, thus covering approx. 85% of the Czech population.

Will the Czech Republic develop a backbone optical network?

The Czech Republic has already developed a backbone optical infrastructure network to the level of district cities, so further development and potential subsidy support will be directed primarily at the absent backhaul connections and access parts of the networks.

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