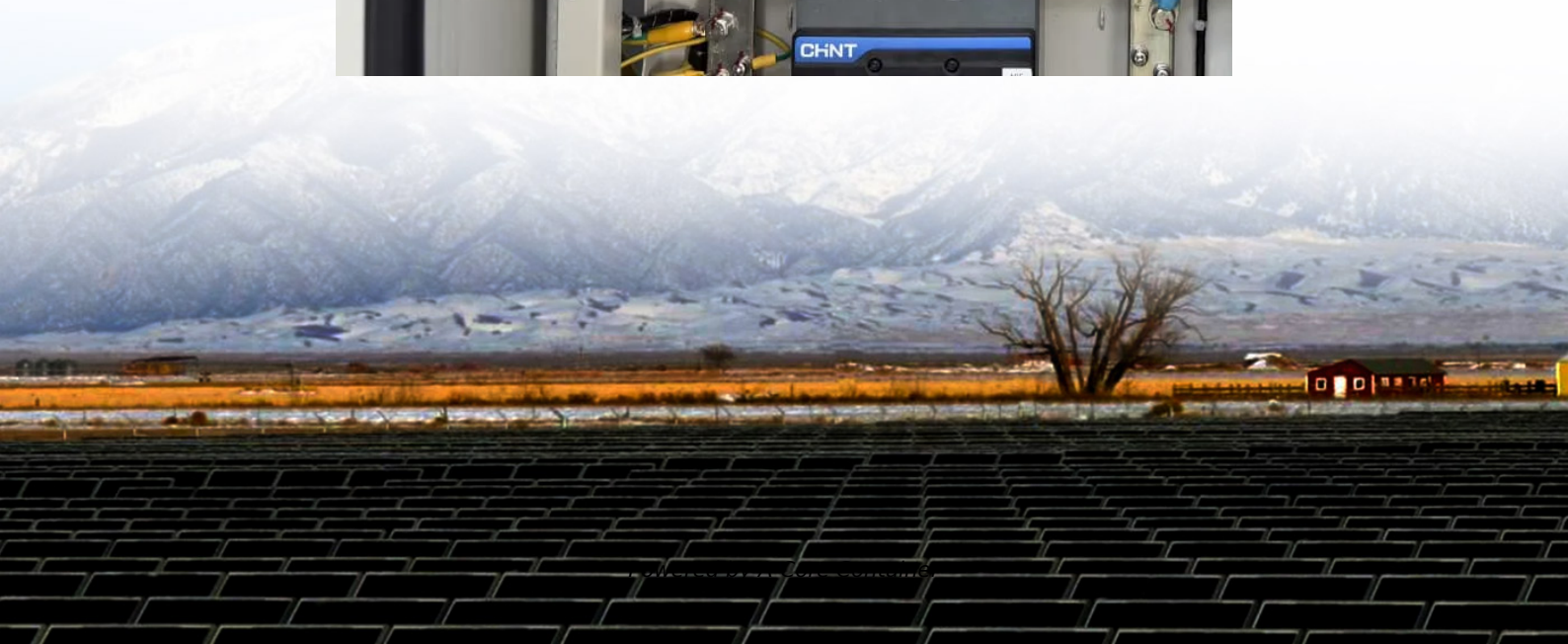


A-Core Container

How many 5G base stations does New Zealand have



Overview

Where is 5G available in NZ?

In NZ 5G has already been launched by Spark and Vodafone in limited locations, with further rollout planned in the near future. Spark initially trialled 5G wireless in Alexandra, and then extended 5G to parts of Westport, Twizel, Tekapo, Hokitika and Clyde.

What frequencies will 5G use in NZ?

The initial roll out of 5G in NZ will use frequencies in the same range as 4G. In the future, the network will use a higher frequency (lower wavelength waves) - known as millimetre waves. These are closer in frequency to those used for satellite communications and some vehicle radars.

What is a 5G network in Aotearoa New Zealand?

The 5G network is more technologically advanced and implementation has begun throughout the world and here in Aotearoa New Zealand. All cellular networks use radio waves to transmit data. Like light, radio waves are a type of electromagnetic radiation. Radio waves have been used in NZ for radio since the 1920s and cell phones since the 1980s.

Will NZ use 4G as a 'control layer' for 5G?

NZ's existing 4G system is planned to be used as a "control layer" for 5G. (Frequencies used in 4G systems vary from 700MHz (Vodafone rural and Spark*) to 700, 900 and 1800 MHz (2 Degrees). Spark also uses 1800 MHz for 4G. The plan to use of 4G systems as a "control layer" for 5G means that the number of cell sites in urban areas could be doubled.

How many 5G sites are there in Aotearoa?

In this year to date, we've built 116 sites and provided new 5G coverage to 86 locations across the motu. We're investing in our network across Aotearoa, as we know it's important to Kiwi to be able to reach their loved ones when they

need to.

Why does NZ need 5G?

It has a larger network capacity. 5G will have a greater capacity for volume of traffic so e.g. more people can livestream the same event without buffering issues. NZ is physically isolated and 5G enables better connectivity with the rest of the world.

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Contact Us

For catalog requests, pricing, or partnerships, please visit:
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