

# What kind of communication green base station is used in Finland





## Overview

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Are green cellular base stations sustainable?

This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks. We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

Why are base stations important in cellular communication?

Base stations are important in the cellular communication as it facilitate seamless communication between mobile devices and the network communication. The demand for efficient data transmission are increased as we are advancing towards new technologies such as 5G and other data intensive applications.

How do cellular network operators shift to green practices?

Cellular network operators attempt to shift toward green practices using two main approaches. The first approach uses energy-efficient hardware to reduce the energy consumption of BSs at the equipment level and adopts economic power sources to feed these stations.

What is a green communication initiative?

The green communication initiative primarily aims to improve the energy efficiency, reduce the OPEX, and eliminate the GHG emissions of BSs to guarantee their future evolution [ 2, 3 ]. Cellular network operators attempt to shift toward green practices using two main approaches.



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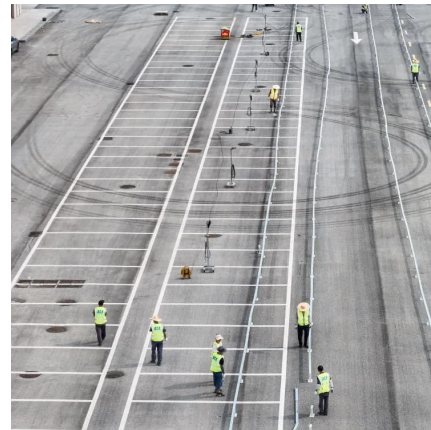


### Base stations and networks

6 days ago · Mobile phones and mobile devices require a network of radio base stations to function. Radio waves have been used for communication for more than 100 years.

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