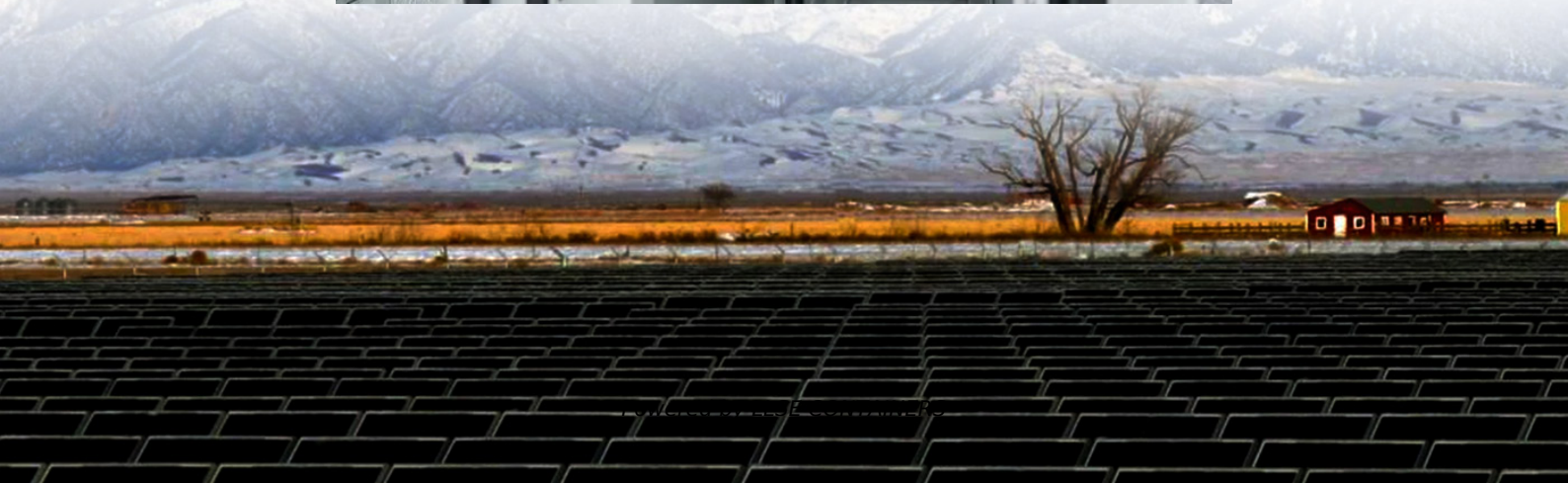


Distance between communication tower base stations





Overview

What are base stations & cell towers?

These structures facilitate the transmission and reception of signals between mobile devices and the wider network, enabling voice calls, text messages, and data services. Understanding the role and technology behind base stations and cell towers is key to appreciating how mobile networks operate and evolve to meet growing demands. Base Stations.

What is the minimum distance between a base station?

To prevent interference, the minimum distance between any two stations is set at 250 meters. Each base station has a coverage radius of 170 meters. Most areas are covered. However, areas with very dense buildings and areas beyond the coverage are not covered.

How high should a base station tower be?

Based on practical considerations, the height of ground-based base station towers ranges from a minimum of 15 meters to a maximum of 40 meters. When constructing base stations on rooftops, the rooftop materials typically prevent the installation of a foundation.

How do base stations work?

Base stations transmit and receive radio waves to connect the users of mobile phones and other devices to mobile communications networks. The strength of the radio waves from base station antennas reduces rapidly with increasing distance and the levels at locations where the public can be exposed tend to be small.



Distance between communication tower base stations



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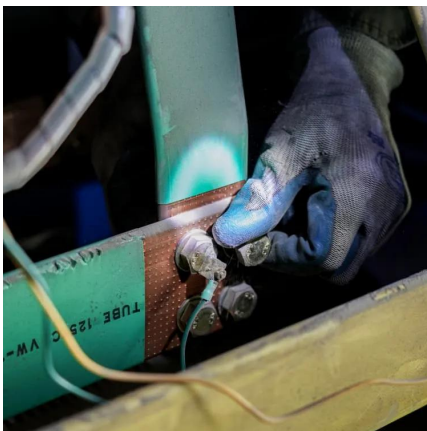
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