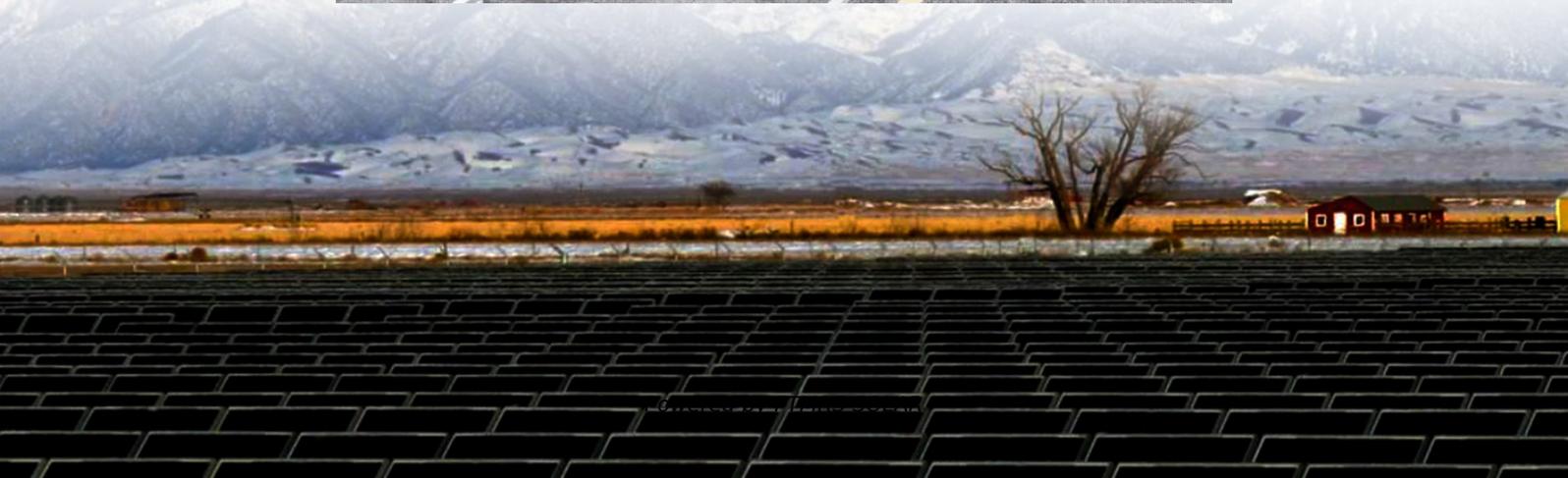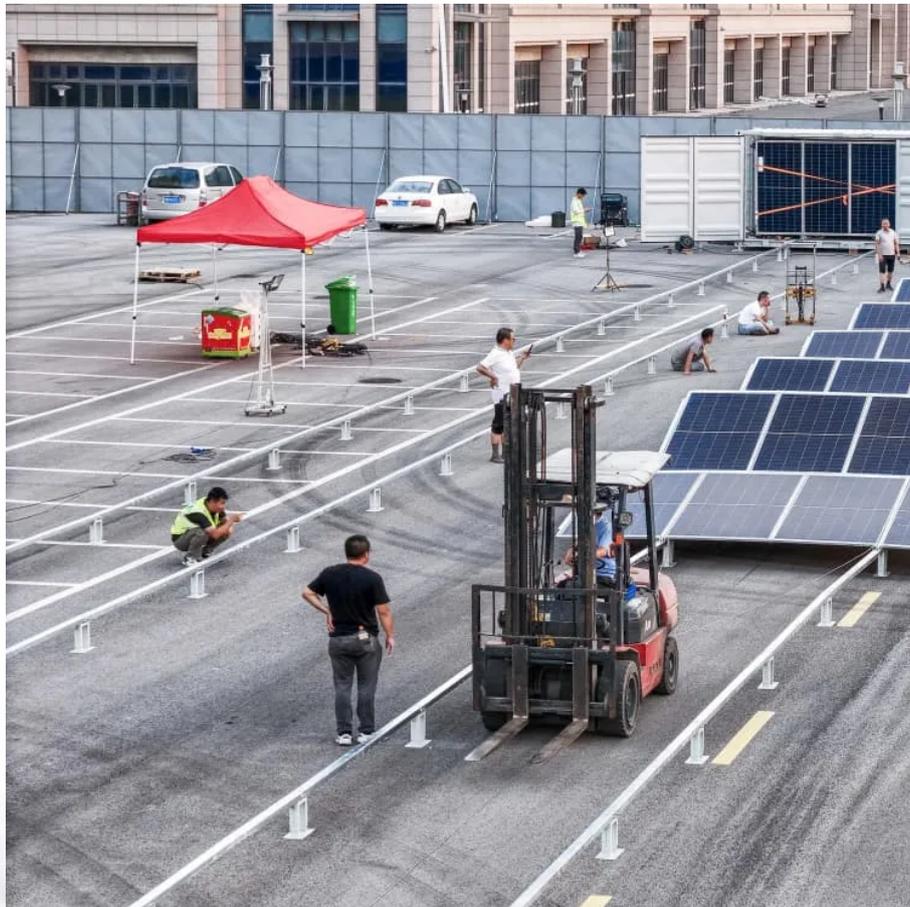# How to connect to the best base station for NB communication

Overview

What is a Nb base station?

The base station is a central device that is responsible for communicating with multiple NB Nodes and collecting data from them. The base station typically consists of an NB-IoT module, a microcontroller, and a backhaul interface.

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 NB-Fi base stations work?

NB-Fi Base Station is connected to the WAVIoT IoT Platform via standard IP connection (using Power-over-Ethernet), which ensures flexible installation and does not necessarily require professional assistance. NB-Fi Base Stations operate in unlicensed frequency bands (no additional permits required).

How do I set up a base station?

Set up the base station using either the tripod or T-bar mounting method. You must use an external radio antenna kit for the internal 450 MHz or 900 MHz radio. To avoid interference between the 900 MHz radio and GPRS transmissions, do not mount the external radio antenna within 1 m (3.3 ft) of the GSM antenna.

How to connect to the best base station for NB communication

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Common ways to set up a base station
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Pairing a Base Station: A Comprehensive Guide to Seamless ...
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