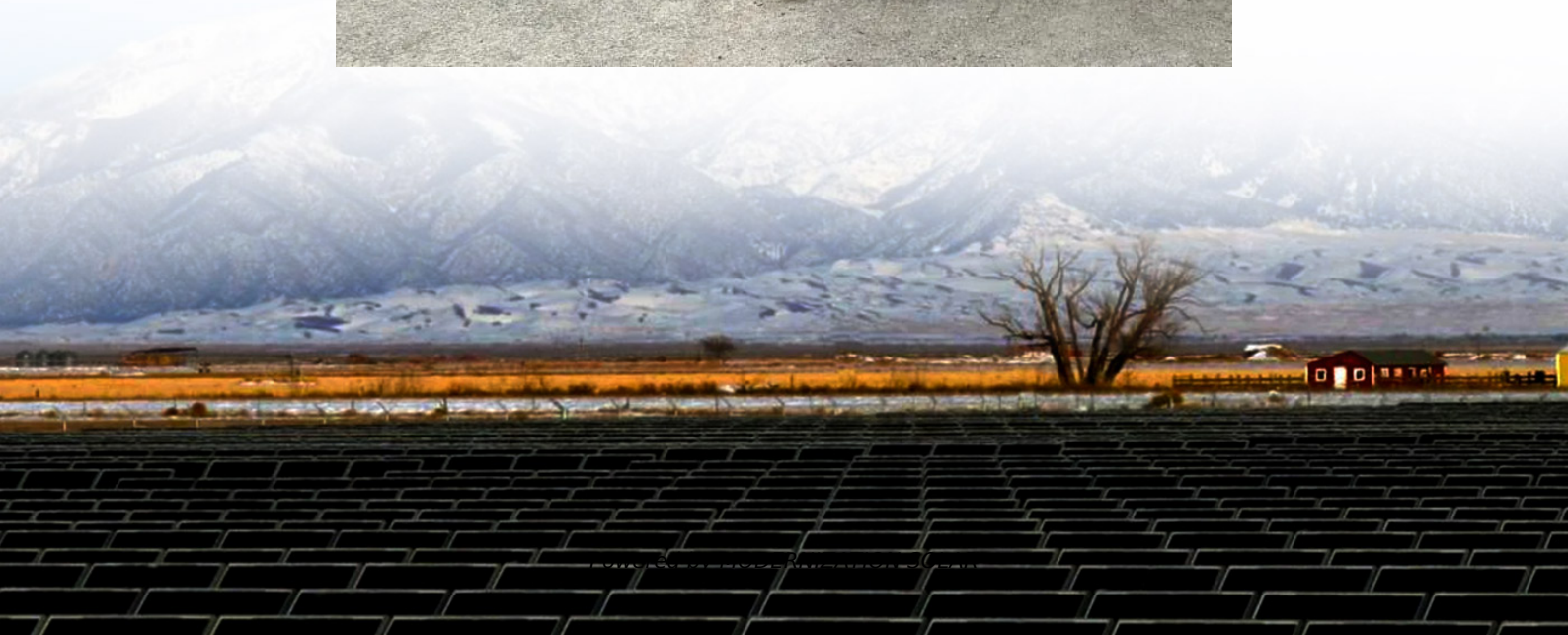


Communication Engineering Base Station Construction Case





Overview

What are the stages of base station construction?

Base station construction is divided into production stage, construction stage and transportation stage.

How many base stations are needed?

We employ a simulated annealing algorithm to determine the number of new base stations needed. After rigorous analysis, our optimal solution suggests deploying 131 micro and 19 macro base stations, with a total cost of 321. References is not available for this document.

What is a 5G base station life cycle assessment (LCA)?

Based on the Life cycle assessment (LCA) method, establishing a model for the construction activities of a single 5G base station, and dividing the life cycle of the base station into equipment material production stage, base station construction stage and transportation stages.

What is a flying base station?

Flying base station relies on the traditional stationary terrestrial base . In modern cellular systems, high-rate communication is performed using MIMO transmission by a Single Base Station (BS). This method is able to improve the transmission rate when the user is at the cell-inner. However the rate severely degrades when the .



Communication Engineering Base Station Construction Case



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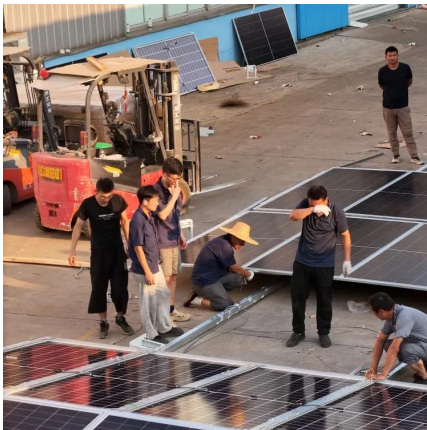
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