

We proposed and implemented an algorithm to solve the optimization problem formulated based on a model of distribution of mobile stations and the locations of existing sites as well as new...

In this paper, the work consists of categorizing telecommunication base stations (BTS) for the Sahel area of Cameroon according to their power consumption per month.

Due to the widespread installation of Base Stations, the power consumption of cellular communication is increasing rapidly (BSs). Power consumption rises as traffic does, ...

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Realizing an all-weather power supply for communication base stations improves signal facilities' stability and sustainability. Wind & solar hybrid power generation consists of wind turbines, ...

The TBS (telecommunications base stations) on remote sites in the northern part of Cameroon are mainly supplied by a system of two generating units. Only a few TBS located in the Waza and Benue ...

A bi-level optimization framework of capacity planning and operation costs of shared energy storage system and large-scale PV integrated 5G base stations is proposed to ...

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