

Kuwait's earthquake high altitude communication base station wind power

This paper proposes a Bayesian network method to evaluate the post-earthquake functionality of communication base stations. The method considers the dependence between the ...

This paper addresses the feasibility of using renewable energy sources to power off-grid rural 4G/5G cellular base-stations based on Kuwait's solar irradiance and wind potentials.

In this paper, we propose a simple logistic method based on two-parameter sets of geology and building structure for the failure prediction of the base stations in post-earthquake.

A resurgence of interest in providing connectivity using high-altitude platforms started around 2014, mainly driven by the Internet companies Google and Facebook that invested in new technology to ...

To tackle this issue, we envision the use of a multi-mode HAPS that can adaptively switch between different modes so as to reduce energy consumption and extend the HAPS loitering time.

One of the key technologies that could help towards this aim is the application of renewable-energy-powered base stations (REPBSs), which primarily rely on locally harvested and stored energy while ...

High-altitude platform station (HAPS) systems can be used to provide both fixed broadband connectivity for end-users and transmission links between the mobile and core networks used for backhauling traffic.



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