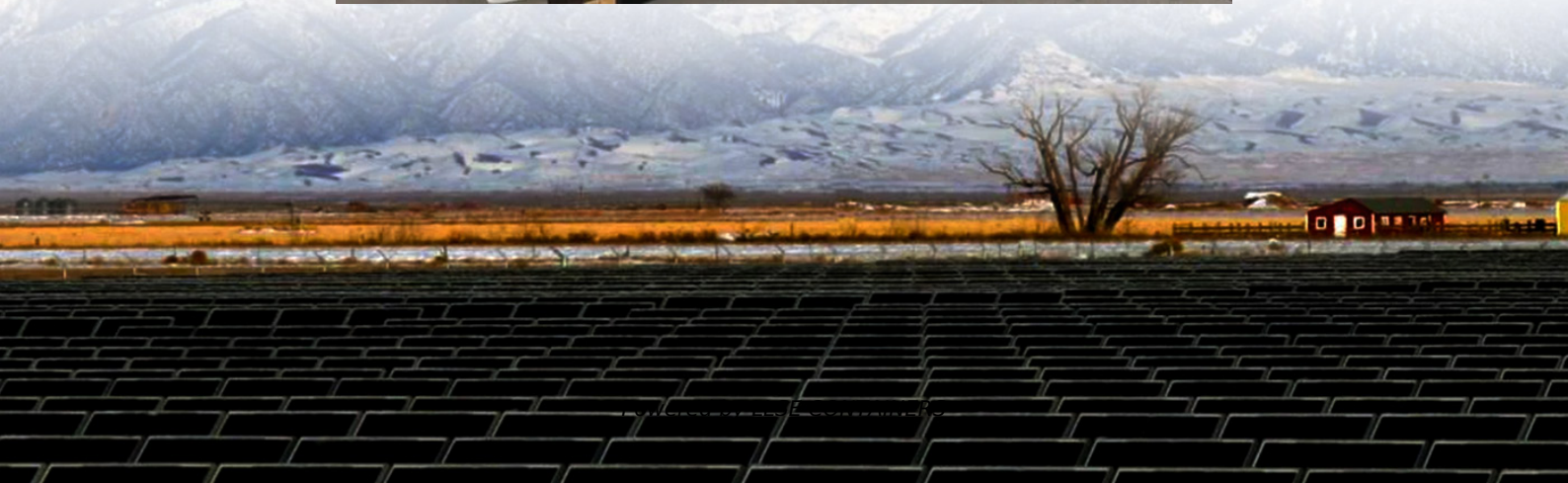


The proportion of power consumption by solar container communication stations





Overview

How does Green radio technology reduce energy consumption?

As a part of energy management, reduction of energy consumption by the towers is achieved by Green Radio Technology. The FIG1 clearly demonstrates that, the base stations alone consume more power than other parameters in cellular networks. The FIG2 shows the CO2 emissions in atmosphere by subscribers from base stations.

How to reduce power consumption in communication towers?

Power consumption in communication towers is reduced by adapting the network capacity to the actual demand at a given time. The cellular tower working will be based on the peak and off peak hours. In current scenario, even at the time of less traffic (less number of users) condition in a particular region, all the towers were made to work.

Why is energy saving important for mobile operators?

Energy saving is one of the important parameter for mobile operators because directly and indirectly mobile operators are creating huge loss to the society by wasting power. As a part of energy management, reduction of energy consumption by the towers is achieved by Green Radio Technology.

How can communication towers be energy efficient?

In order to overcome this, our project proposes a comprehensive approach towards an energy efficient operation of communication towers during less traffic (less number of users) by keeping only one mobile tower on working state to take up all communications while the remaining towers stay in idle mode.



The proportion of power consumption by solar container communication



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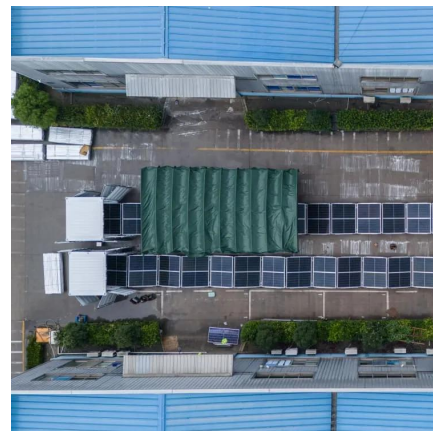
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