

Power consumption of solar container communication stations solar power generation





Overview

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.

Why is energy management important for mobile communication networks?

Effective energy management is the essential requirement for successful operation of mobile communication networks. 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.

How can communication towers be energy efficient?

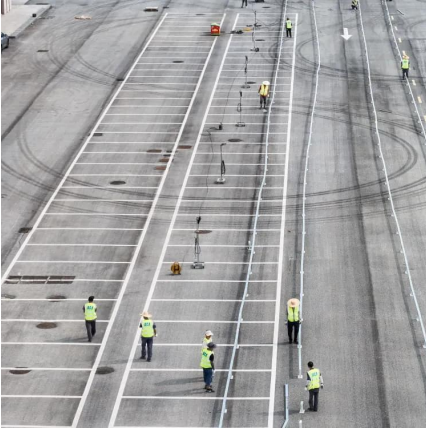
In order to overcome this, our project proposes a comprehensive approach towards an energy efficient operation of communication towers during less traffic (less number of users) by keeping only one mobile tower on working state to take up all communications while the remaining towers stay in idle mode.

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.



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