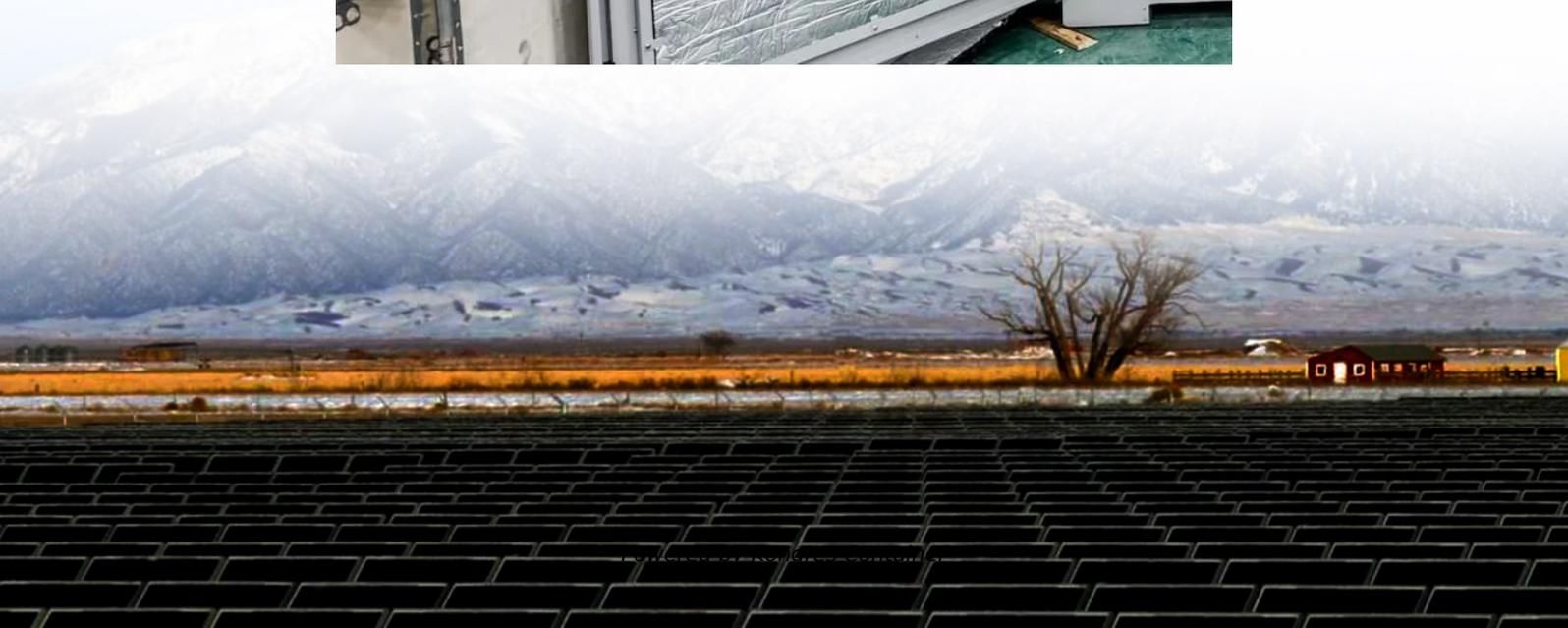


Kongres Container

Philippines Communications Green Base Station Project



Overview

Are green cellular base stations sustainable?

This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks. We review the architecture of the BS and the power consumption model, and then summarize the trends in green cellular network research over the past decade.

What is a green communication initiative?

The green communication initiative primarily aims to improve the energy efficiency, reduce the OPEX, and eliminate the GHG emissions of BSs to guarantee their future evolution [2, 3]. Cellular network operators attempt to shift toward green practices using two main approaches.

What is public telecommunications policy in the Philippines?

The Public Telecommunications Policy Act of the Philippines, which governs the development and delivery of public telecommunications in the country, states in its policy declaration that “expansion of the telecommunications network shall give priority to improving and extending basic services to areas not yet served.”

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