

# Construction of green base stations for maritime communications

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This study presents an overview of sustainable and green cellular base stations (BSs), which account for most of the energy consumed in cellular networks.

In this paper, we propose an integrated sensing and communication (ISAC) base station (BS) system designed for applications by multiple users in complex offshore ...

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The green base station solution involves base station system architecture, base station form, power saving technologies, and application of green technologies. Using SDR-based ...

We design a custom PCB which can allow for 4 users multiplexing via 8 antennas connected to a single RF chain of WARPv3 SDR.

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.

Recent advancements in multi-domain technologies (shipborne/airborne/satellite systems) have driven MCNs toward cognitive and adaptive architectures. This survey begins ...

In this review, we present the different MCN architecture segments and communication technologies that are currently proposed by academic and industrial ...

By bridging the gap between emerging 6G capabilities and practical maritime requirements, this paper

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rom all over the world. A wide-area and seamless maritime communication network has become a critical supporting approach. In this article, we propose a novel architecture named the ...

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