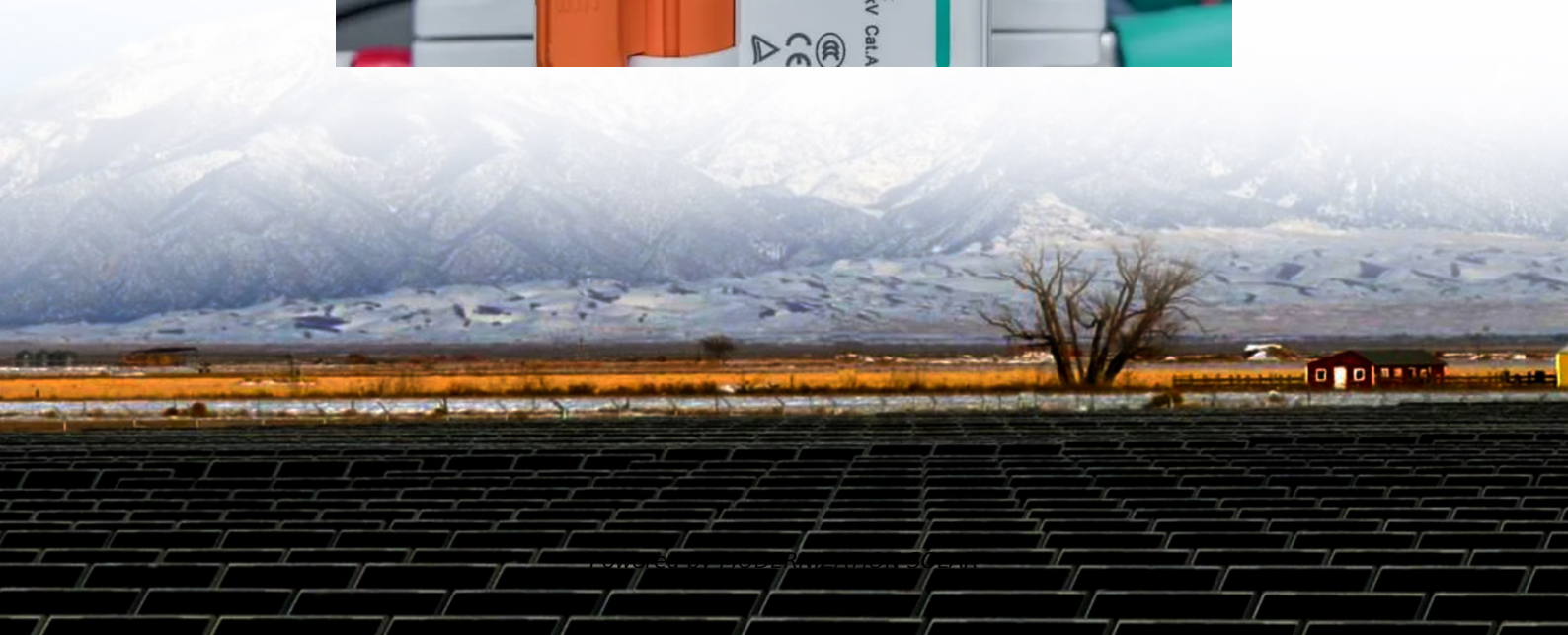
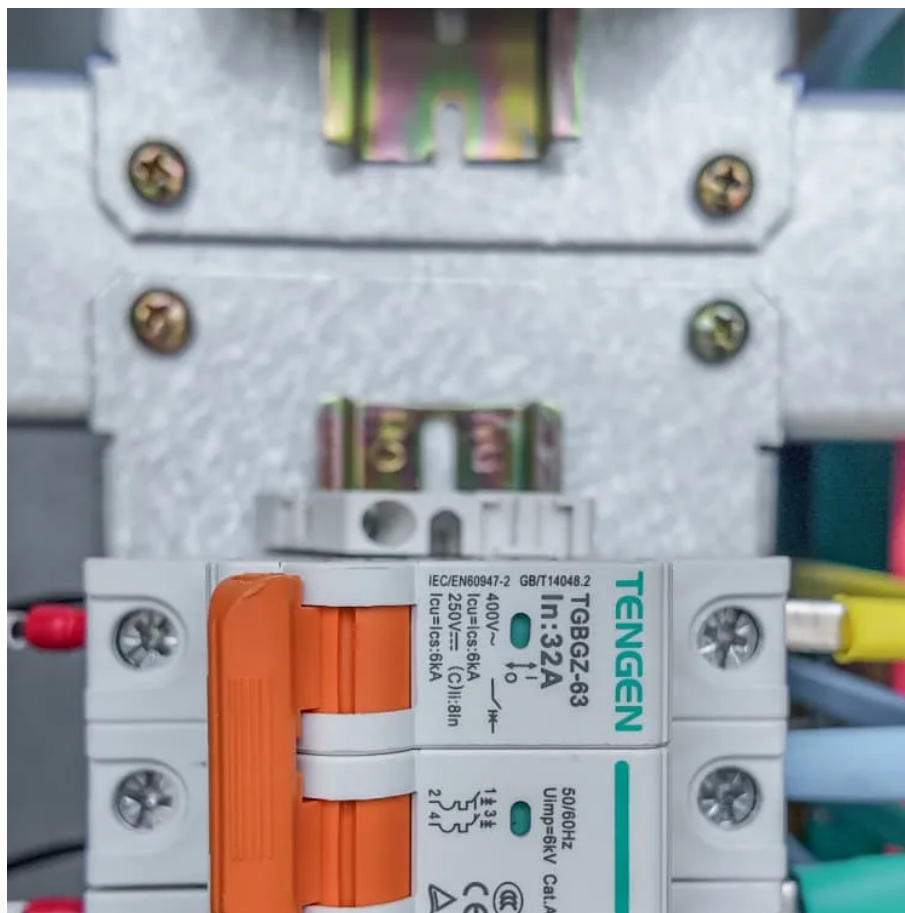


Cross-base station communication solution





Overview

What is a passive is-integrated base station?

In particular, integrating passive IS into the base station (BS) is a novel solution to enhance the wireless network throughput and coverage, both cost-effectively and energy-efficiently. In this article, we provide an overview of IS-integrated BSs for wireless networks.

Does a multi-base station architecture support multi-target sensing?

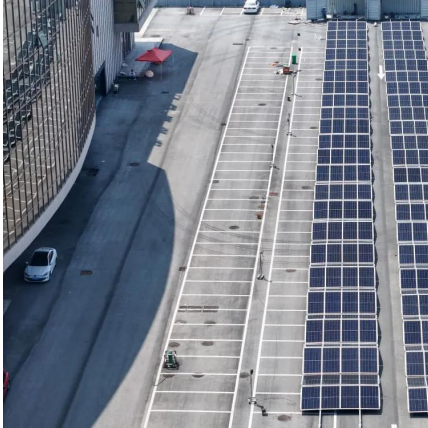
This paper considers a multiple base station (BS) architecture to support the comprehensive services of data transmission and multi-target sensing. In this context, a cooperative BS assignment and resource allocation (CBARA) strategy is proposed in this paper, aiming at jointly optimizing the communication and sensing (C&S) performance.

What is communication and sensing (C&S)?

communication and sensing (C&S), ISAC enhances resource utilization efficiency, thereby reducing both capital and operational expenditures. Moreover, the inherent synergy between C&S within ISAC frameworks can mutually enhance their performance, leading to improved overall system capabilities , .



Cross-base station communication solution

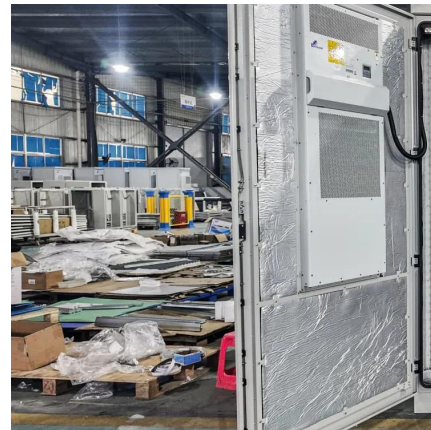


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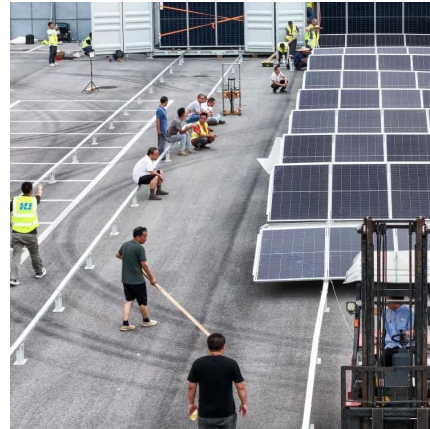
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