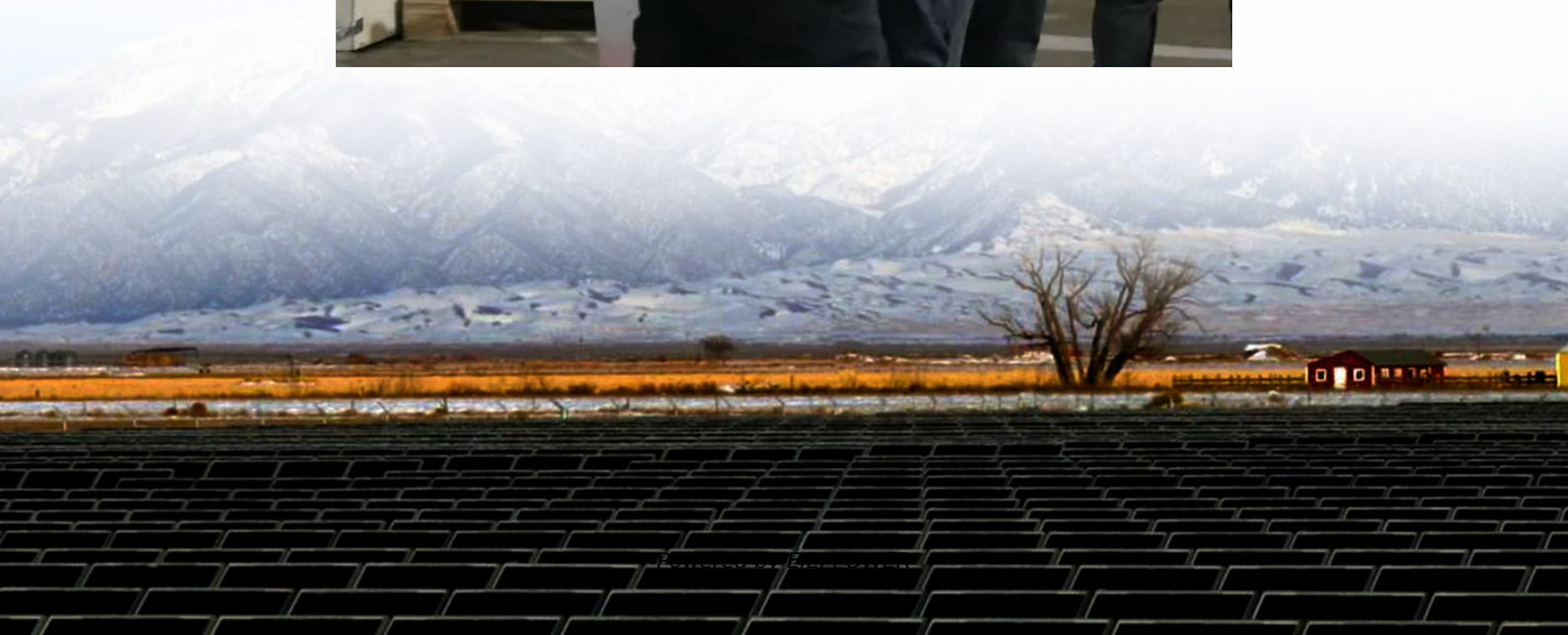


Indonesia ptn communication green base station





Overview

Will Indonesia provide universal internet access by 2024?

The Indonesian government aims to provide universal internet access by 2024, particularly in remote regions. This study introduces a novel machine-learning-based approach to identify the priority areas for deploying Base Transceiver Station (BTS) towers, which are crucial for achieving the internet access targets of the government.

What telecommunication infrastructures will be included in Indonesia's 4G-LTE network expansion project?

The project will cover BTS installation and other supporting telecommunication infrastructures across Indonesia for the purpose of 4G-LTE network expansion. Three (3) main components related to telecommunication infrastructures have been identified; BTS installation, data center for managing network resources, and warehouse for inventory purposes.

How does topography affect telecommunication infrastructure in Indonesia?

The topography of Indonesia is characterized by forests, mountains, valleys, hills, and remote areas with limited access, which complicates and increases the cost of developing telecommunication infrastructure (Situmorang et al., 2023).

How can a geospatial database help the Indonesian government?

To support the targets set by the Indonesian government, an innovative approach should be developed for evaluating the potential of new internet network nodes. The geospatial database approach can integrate various data sources, including statistical data, points, areas, and raster data (such as remote sensing data).



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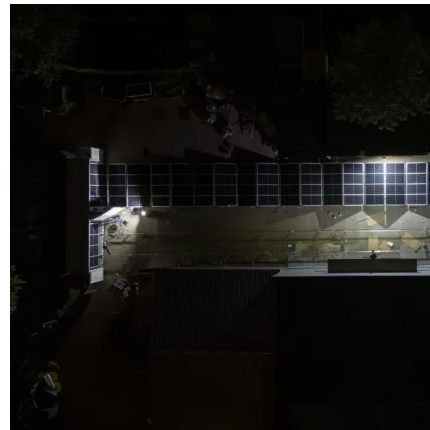
[Plans to build 630 base transceiver stations in remote ...](#)

Bakti has announced plans to build 630 base transceiver stations (BTS) in remote regions, including challenging areas in eastern Indonesia like Papua, by the end of 2024. The project ...

[Comparative Study of Base Transceiver Stations](#)

...

Jun 23, 2024 · Communication is a fundamental human need that occurs directly or through technologies like telephones and signal transmitters such as BTS and satellites. Satellites, ...



Empowering Indonesia's Telecommunication with Renewable Energy: A Green

Nov 17, 2024 · The collaboration aims to power Telkom's Base Transceiver Stations (BTS) with a combination of wind and solar energy, significantly reducing carbon emissions and promoting ...



Development of Telecommunication Infrastructure and Base ...

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[\(PDF\) Comparative Study of Base Transceiver Stations ...](#)

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[Getol Pakai Energi Baru Terbarukan, Telkom Raih](#)

Aug 14, 2025 · Jakarta - PT Telkom Indonesia mengimplementasikan pemanfaatan energi baru terbarukan dalam operasional infrastruktur telekomunikasinya. Salah satunya, dengan ...



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Summary IIF provides a Corporate loan facility to a private telecommunication service provider company for the development of ...





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[Solar-Powered Base Transceiver Station](#)

Aug 20, 2025 · In such situations, it is therefore difficult to guarantee the reliability of the telecommunication network, in particular, the electricity supply for the base transceiver station ...



Geospatial intelligence framework for BTS infrastructure ...

Dec 1, 2024 · The Indonesian government aims to provide universal internet access by 2024, particularly in remote regions. This study introduces a novel machine-learning-based approach ...



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