

## A-Core Container

# Tunisia Communications Green Base Station Mobile Project



## Overview

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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.

Why is Tunisia investing in a secure electricity network?

To ensure a resilient electricity network, Tunisia is investing in modern, secure infrastructure. The ELMED interconnection project, which will link Tunisia to Italy by 2028, will play a key role in stabilizing energy supply, while supporting the energy transition in Tunisia and Europe.

Can Tunisia export green electricity?

Exploiting its renewable energy potential will also allow Tunisia to export green electricity, including green hydrogen, contributing to the GHG emission targets of the Maghreb and Europe.

Why is Tunisia developing a carbon accounting system?

These instruments encourage investment in green technologies, support the objectives of the Nationally Determined Contribution (NDC) and promote an accelerated energy transition. As part of this effort, Tunisia is developing a structured and specific set of regulations for carbon accounting.

How is Tunisia strengthening the electricity authorization regime?

Today, Tunisia is continuing to strengthen this framework through various actions. Recent advances include : The implementation of a fixed feed-in tariff for the authorization regime, accompanied by a revision of the electricity purchase agreement (PPA).

How many solar and wind power projects are in Tunisia?

Solar and wind power projects subject to authorization : Tunisia has granted authorizations for projects with a capacity of 381 MW, including 261 MW of solar PV and 120 MW of wind power. 2 plants with a unit capacity of of Tataouine and Sidi Bouzid.

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