

Tunisia's Long-Term Power Distribution and Energy Storage Cabinet

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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.

What percentage of Tunisia's electricity is renewable?

In 2022, only 3% of Tunisia's electricity is generated from renewables, including hydroelectric, solar, and wind energy. While STEG continues to resist private investment in the sector, Parliament's 2015 energy law encourages IPPs in renewable energy technologies.

Why should Tunisia invest in Tereg?

"By fostering renewable energy development, Tereg will strengthen Tunisia's position in clean energy, creating economic opportunities and ensuring long-term energy security," said Alexandre Arrobbio, World Bank Country Manager for Tunisia. "This project reflects our strong partnership with Tunisia and supports its sustainable development goals.

How much energy does Tunisia use?

In Tunisia, over 95% of electricity generation relies on gas, while all renewable sources--hydropower, solar, and wind--combined account for about 4% only (Figure 1). The national energy plan aims to increase this share to 35% by 2030, and at least 80% by 2050.

The project, estimated to cost \$932 million, consists of the construction of a 600 MW high-voltage direct current cable that will link the grids of Tunisia and Italy and enable bidirectional ...

An inset provides greater detail for the area around Tunis. Existing and future transmission and distribution lines are shown ranging from 90kV to 400kV. Actual and planned cross ...

Despite recent policy developments, Tunisia's energy consumption has been rapidly increasing in the last few decades and is still dominated by fossil fuels, while the plans for expansion of gas-powered ...

use of energy sources and improving energy security. This report is divided into two parts: The first looks into

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the technical aspect of the BESS, uses and applications bui.

The critical question emerges: Can Tunisia's 2050 energy plan bridge this growing gap, addressing structural deficits while maintaining its electricity security?

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Aligned with the Government's updated Energy Transition Strategy, TEREK aims to strengthen STEG's operational and financial performance, attract private investment, and lower the ...

This article explores how battery storage, pumped hydro, and innovative technologies can transform Tunisia's power infrastructure while addressing challenges like solar intermittency and peak demand ...

By 2030, Tunisia plans to develop second-generation clean energies (concentrated solar thermal power (CSP), pumped storage and turbines (STEP)) to boost hydrocarbon exploration and production by ...

Preliminary studies have confirmed the critical role of storage technologies in supporting Tunisia's ambitious renewable energy targets. The recent launch of the country's first large-scale ...

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