

Title: Tunisia's energy storage power structure

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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.

What is the energy sector in Tunisia?

Revised in November 2024, this map provides a detailed view of the energy sector in Tunisia. The locations of power generation facilities that are operating, under construction or planned are shown by type - including gas and liquid fuels, natural gas, hybrid, hydroelectricity, solar (PV and CSP), wind and biomass/biogas.

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.

Who produces electricity in Tunisia?

State power utility company STEG controls 92.1% of the country's installed power production capacity and produces 83.5% of the electricity. The remainder is imported from Algeria and Libya as well as produced by Tunisia's only independent power producer (IPP) Carthage Power Company (CPC), a 471-MW combined-cycle power plant.

Renewable energy solutions provider Scatec has secured a 25-year power purchase agreement (PPA) with Tunisia's state utility, Soci

Tunisia's energy storage power generation sector is transforming faster than a desert sunset. With solar irradiation levels hitting 5.3 kWh/m²/day and wind speeds reaching 9 m/s in coastal areas, this North ...

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Major substations are indicated as are power generation projects with battery storage. Generation sites are marked with different sized circles to show sites of 1-9MW, 10-99MW, 100 ...

Through June 2023, Tunisia had about 565 MW of installed renewable energy capacity of which 240 MW was wind power, 263 MW solar power, and 62 MW of hydroelectric power, ...

In the electrical energy transformation process, the grid-level energy storage system plays an essential role in balancing power generation and utilization. Batteries have ...

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 ...

Summary: As Tunisia accelerates its renewable energy adoption, energy storage systems are becoming vital for grid stability. This article explores how battery storage, pumped hydro, and innovative ...

Investments in storage technologies, grid management systems, and new renewable energy sources like hydrogen could help Tunisia diversify its energy portfolio and reduce dependence on intermittent ...

ed their renewable energy potential, such as Tunisia. The objective of this report is to look into the potential of Battery Energy Storage System (BESS) development in Tunisia, in line with ...

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