

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 are Tunisia's energy projects?

One third of the projects will be for wind farms and two thirds for solar photovoltaics. Tunisia's national grid is connected to those of Algeria and Libya which together helped supply about 12% of Tunisia's power consumption in the first half of 2023.

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.

What is Tunisia's energy mix?

The energy mix currently consists of 53 per cent natural gas and 44 per cent raw petroleum materials, while renewable energies only contribute 3 per cent. Tunisia created the Energy Transition Fund (FTE) in 2013, representing an essential tool for developing energy efficiency and renewable energy through subsidising long-term projects.

What is the energy sector in Tunisia?

The sector also offers opportunities for possible Build-Own-Operate (BOO) or Build-Operate-Transfer (BOT) projects. Much of Tunisia's electricity production comes from gas turbines. Major players in this sector include General Electric (USA), Mitsubishi (Japan), Ansaldo (Italy), and Siemens (Germany).

Is Tunisia suffering from a serious electricity crisis?

Belhassan Chiboub, the director-general of electricity and energy transition at Tunisia's Ministry of Industry, Energy and Mines, explained that the electricity sector in Tunisia is suffering from a serious crisis, commenting that the electricity deficit was around 59 per cent in 2019.

Other prominent energy players, such as Total Energies, Vinci Energies, and Fives Group, participated in the conference and presented cutting-edge engineering solutions covering a wide range of ...

Energy transition has been a key element in Tunisia's official discourse for years, aligning with the global context that drives investment in renewable energies and reduces dependence on fossil energies. In this discourse, renewable energies, particularly photovoltaic energy and "green" hydrogen, are presented as the

ideal solution that will enable the country ...

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Two main narratives are currently influencing decisions in the Tunisian energy sector. The first dominant discourse draws on neoliberal practices of green extractivism, where natural resources are exploited for export purposes, whereas the second opposing discourse calls for justice, democracy, and community ownership of energy projects. This article engages with ...

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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 national efforts towards a clean and sustainable energy transition as well as ensuring the optimal use of energy sources and improving energy security.

We forecast that a shrinking goods deficit will cause Tunisia's current account surplus to narrow from 2.1% of GDP in 2023 to 1.3% of GDP in 2024 and to 0.7% of GDP in 2025. Lower global Brent prices will help narrow the energy trade deficit, while solid tourism and remittances inflows will keep the services and secondary income balances

Tunisia has launched a strategy to position itself as a global leader in green hydrogen production. With its rich solar and wind resources, the North African nation is set to harness these assets to produce clean hydrogen, ...

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As the world grapples with the urgent need for cleaner energy and reducing dependence on fossil fuels, Tunisia is embarking on its own energy transition. This journey is marked by both ...

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renewable energy optimization: Case study of southern Tunisia Using GIS and multicriteria decision making Sassi Rekik and Souheil El Alimi Abstract Renewable energy systems have emerged as a viable option to

mitigate the environmental impacts of traditional fossil fuels. However, the intermittent nature of these renewables, such as solar and

Tunisia, as a net importer of energy, is grappling with a multitude of challenges in its energy system. The country faces a persistent deficit due to high demand and limited local reserves. Currently, the energy mix heavily relies on natural gas (97%), while renewable sources contribute less than 3%, which includes solar, wind, and hydropower ...

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