

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 Tunisian Solar Program?

Tunisian Solar Programme, launched in 2005, is a joint initiative of UNEP, Tunisian National Agency for Energy Conservation, state-utility STEG and Italian Ministry for Environment, Land and Sea. The program aims to promote the development of the solar energy sector through financial and fiscal support.

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.

Where is the first large scale solar power plant in Tunisia?

The first large scale solar power plant of a 10MW capacity, co-financed by KfW and NIF (Neighbourhood Investment Facility) and implemented by STEG, is in Tozeur. TuNur CSP project is Tunisia's most ambitious renewable energy project yet.

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 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).

o Renewable energy holds strong potential in Tunisia. Wind and solar photovoltaic (PV) provide the opportunity to improve Tunisia's energy security, to meet growing energy demand, and to create a future power-export industry for Tunisia.

Tunisia's ambitious plan to increase renewable energy production is geared toward reducing its overreliance on imported gas for its power generation that threatens its energy security. The Kairouan Solar Project will be the first milestone to achieve the government's plan and will pave the way for further private investments in

the sector.

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average of over 3,000 hours of sunlight annually, Tunisia is ideally positioned to harness solar power to meet its energy demands sustainably. The importance of solar energy in Tunisia lies in its ability to address energy security, promote economic development, and combat climate change. Solar energy also contributes to Tunisia's

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The Kairouan Solar Project, Tunisia's first large-scale solar initiative, significantly boosts the country's renewable energy capacity by providing 100 MW of solar power to the national grid. This initiative, part of Tunisia's broader goal to generate 35% of its electricity from renewables by 2030, directly supports the transition to ...

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Tunisia has good renewable energy potential, especially solar and wind, which the government is trying to tap to ensure a safe energy future. The country has very good solar radiation potential which ranges from 1800 kWh/m²; per year in ...

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It was not until December 2021 that reforms were on the horizon again, and concrete proposals were put in place to accelerate Tunisia's solar plan and the overall deployment of renewable energy. The ministry of energy and mines put forward 1500 MW solar and wind program set to launch in January 2022, and the passing of a decree to unblock ...

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The Tunisian Solar Plan (TSP) is Tunisia's official long-term plan for renewable energy. The TSP sets out

Alternative energy solar Tunisia

Tunisia's ambition to harness its renewable energy resources in order to advance Tunisia's sustainable development. It includes specific 2030 targets for investment in wind energy, solar photovoltaic and concentrated solar power.

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, representing a combined 8% of national energy production capacity. The GOT aims to raise the usage of renewable energy resources to 35% of total power capacity by 2030. Green ...

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