

## European Solar and Energy Storage Solutions

# Edge energy Tunisia



## Overview

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What drives Tunisia's energy transition?

Three key drivers will dictate Tunisia's energy transition: energy security, given Tunisia's growing energy balance deficit; economics, given the relative decrease in the price of renewables; and environment, given the Country's commitment to reduce domestic greenhouse gas emissions.

What percentage of Tunisia's electricity is generated from natural gas?

In 2020, natural gas made up 86% of Tunisia's installed capacity and 95% of power generation, while renewable energy made up 13% of installed capacity and 5% of power generation. Fossil fuels represent the majority of Tunisia's electricity generation mix (approximately 97%), with natural gas being the primary fuel source.

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).

What is the energy partnership in Tunisia?

The energy supply system in Tunisia is environmentally sound, secure and affordable. Improved framework conditions on the energy market are in place. The Energy Partnership is implemented by Germany's BMWK and Tunisia's Ministry of Energy, Mines and Energy Transition.

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.

Does Tunisia have natural gas?

In addition to local gas production, Tunisia receives natural gas as a royalty on the Algerian Transmed gas pipeline crossing Tunisia to Italy. In 2022, only 3% of Tunisia's electricity is generated from renewables, including hydroelectric, solar, and wind energy.

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### Solar power plant on the edge of the Sahara

Tunisia's Solar Plan (Plan Solaire Tunisien, PST) sets a target for total installed renewable energy capacity of 1860 megawatts (MW) by 2023 and 3815 MW by 2030, a fivefold and tenfold increase, respectively, of the 2017 installed ...

### Tunisia

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



### Tunisia Lac Tech ET Solar PV Park, Tunisia

ET Solar New Energy Co Ltd (ET Solar) is a provider of smart solar energy solutions. The company provides PV modules for residential, commercial and utility installations. It also provides horizontally integrated project development; finance and investment; design; engineering, procurement, and construction; and operation and maintenance services.

## Power Sector Transition in

## Tunisia

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### Renewable Energy in Tunisia: A Pathway to Poverty Alleviation

Renewable energy offers Tunisia an opportunity to stabilize its economy. By reducing its dependence on imported fossil fuels, Tunisia can protect itself from the energy import costs that strain national finances. For instance, in 2022, Tunisia imported approximately 48% of its energy needs, primarily through natural gas,

according to the World



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## Home , Edge Energy

We're on a mission to provide revolutionary technology to address environmental concerns and the urgent need for affordable and equitable clean energy. We believe that land should be used to its highest environmental and societal value, which means maximizing the use of rooftop PV rather than vast solar or wind farms.

## German-Tunisian Energy Partnership

The German-Tunisian Energy Partnership supports Tunisia in developing and implementing its national energy policy. It was founded in early 2012 when the two countries signed a joint Memorandum of Understanding on collaboration in the energy sector with a particular focus on renewable energy.



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## Tende Energy leads with Tunisian-operated crew following ATOG ...

In June 2023, Tende Energy, an Africa-focused independent oil and gas company, headquartered in London, significantly expanded its portfolio by acquiring full ownership of ATOG Midco Limited and its subsidiaries. This move

came after Tende Energy purchased an additional 90% equity interest in ATOG. This strategic acquisition was a part of Tende's ...



## Tunisia pins its hopes on green energy export schemes

Its domestic renewable energy industry may just be getting back on track after years of delay, but Tunisia has already launched one of the most ambitious green hydrogen development programmes in Africa, which it is promoting together with longstanding electric power export schemes.



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## Clarke Energy , Tunisie , Production Distribuée Efficace

This premier event brings together professionals passionate about energy-efficiency strategies, implementing cutting-edge technologies, and developing net-zero leadership within their organisations. [tunisia@clarke-energy](mailto:tunisia@clarke-energy) . ...



## Edge Energy Consulting LLC

Edge Energy has proven methods that enable high and precise flow rates at a significantly reduced cost compared to the expenses incurred during periods of inactivity, which lead to the loss of valuable cash flow. Call Us Today! "There are no secrets to success. It is the result of preparation, hard work, and learning from failure".



## Towards a gradual transition to renewable energies in Tunisia: Do

This research examined the influences of ICT, TFP, TR, and FDI on clean energy consumption in Tunisia, using the ARDL model with structural break based on the period 1984-2019. In addition, we have tried to determine the causality links within variables by using the frequency causality test of Breitung and Candelon [37] .



## HDF Energy plans green hydrogen project in Tunisia

HDF Energy, a French hydrogen developer, has signed an MoU with Tunisia's Ministry of Industry, Mines, and Energy to develop a large-scale green

hydrogen project. The project aims to serve both the European market and domestic needs, with an initial investment of about EUR 3 billion.



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