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Tunisia Wind Solar and Storage Project Costs



Overview

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Since the 2000s, Tunisia has been facing a growing energy deficit. In 2024, the energy dependency rate stood at 59%. Natural gas currently accounts for 94.5% of electricity production. In 2023, the production cost of a kWh of electricity was 472 millimes (0.145€), compared with a selling price set.

The International Renewable Energy Agency (IRENA) is an intergovernmental organisation that supports countries in their transition to a sustainable energy future and serves as the principal platform for international co-operation, a centre of excellence and a repository of policy, technology.

Although Tunisia is positioned as a pioneer in renewable energy in North Africa, this green transition poses complex challenges for rural communities, especially women farmers facing migration and economic insecurity. The Tunisian experience reveals that if social impacts are not carefully.

The Institute for Sustainable Futures (ISF) was established by the University of Technology Sydney in 1996 to work with industry, government, and the community to develop sustainable futures through research and consultancy. Our mission is to create change toward sustainable futures that protect.

Tunisia relies on imported natural gas to meet the majority of its growing electricity needs, even though the country has a vast potential to generate renewable energy. Despite limited economic growth over the last decade, peak demand for electricity has continued to grow at a high rate, around 5%.

Tunisia, a country with immense solar and wind potential, stands at a pivotal point in its energy sector. Renewable energy in Tunisia can address not only

its energy poverty but also broader economic and social issues, creating a sustainable path for development. However, the push for renewable. How many solar and wind power projects are in Tunisia?

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Is Tunisia a good place to invest in wind energy?

Financing Wind Energy Development: Tunisia has a good reputation with international finance institutions and coupled with a robust renewable energy framework the environment is favorable for private sector and foreign direct investments in wind energy.

How many solar jobs are created in Tunisia?

Tunisian Solar Plan Jobs created: Approximately 10 000. Tunisia is endowed with abundant renewable energy resources, particularly solar and wind energy; however, renewable energy currently plays a minor role in the country's energy supply.

What is wind energy in Tunisia?

Wind energy forms an important component of the Tunisian renewable energy program and targets (Ministère de l'Énergie, des Mines et des Énergies Renouvelables de Tunisie, 2020). (1) Large-scale projects, subject to concession (tender process): covering projects over 10 MW for solar and over 30 MW for wind, awarded via competitive concessions.

Can offshore wind power be used in Tunisia?

Offshore wind power has the potential to play a key role in achieving the future renewable energy targets due to the country favorable geographic location and coastline. However, there are currently no offshore wind farm projects nor experiences in Tunisia.

Does Tunisia have a solar plan?

In this regard, a Tunisian solar plan was adopted in 2015, which aims to reduce primary energy demand by 30% and increase the share of renewables in the electricity production mix to 30% by 2030.

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