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Tunisia communication base station wind power equipment installation 6



Overview

In its contribution towards fighting climate change, Tunisia aims at reducing greenhouse gas emissions across all sectors through reducing carbon intensity in the country by 41 per cent in 2030, relative to t.

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.

What is wind energy research in Tunisia?

Wind energy research in Tunisia has focused on two main areas: First, the onshore wind potential assessment and second, the onshore utility-scale wind farms operation and power contribution to the mix. 6.1.1. Wind potential assessment High wind energy potential are found in the northern part of Tunisia, but also in the central and southern regions.

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.

Why is Tunisia a key driver for wind energy deployment?

The strategic location of the Tunisia can be considered a key driver for the wind energy deployment in the country. Tunisia has a coastline of 1148 kilometers (713 mi) long with 16 ports from the north to the south (Anon, 2018b).

Is Tunisia a viable wind energy source?

Furthermore, Tunisia has the potential to implement viable wind energy

projects that satisfy fundamental economical profitability (Georgiou et al., 2008). Moreover, the Tunisian authorities committed to expediting the development of wind energy sources since 2000 by finding instruments to encourage this expansion.

Where is wind energy potential found in Tunisia?

High wind energy potential are found in the northern part of Tunisia, but also in the central and southern regions. In northern and north-eastern areas, wind measurements revealed wind potential is significant for utility-scale wind farms implementation.

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