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Djibouti wind power energy storage configuration requirements



Overview

What is the energy potential of Djibouti?

Renewable energy potential a) Solar energy • The level of sunshine at Djibouti is very high. • It remains high throughout the country (5-6.5 kWh/m²). b) Wind energy • Several sites with strong winds throughout the year, with a potential of 4,000 hours.

Will Djibouti be self-sufficient in energy production in 2035?

In December 2023, the Republic of Djibouti signed up to the African Green Hydrogen Alliance. The country's formidable prospects in terms of renewable energy means that Slim Feriani can look to the future with confidence. "The objective for 2035 is to be self-sufficient in energy production," he says. "We should get there before then."

What is the current state of electricity in Djibouti?

Electricity sector: Current state □ Djibouti's electricity supply is based on : □ Thermal generation (diesel and heavy fuel oil): 20-40%. □ Hydroelectric imports from Ethiopia (since 2011): 60-80%. o The country's current energy production is 220 MW, broken down as follows □ Public generation of 120 MW by EdD.

How will the Ghoubet wind farm impact Djibouti?

In ecological terms, the Ghoubet wind farm will enable Djibouti to reduce its CO₂ emissions by around 250,000 tonnes a year. At the same time, it will enable the country to reduce its energy dependence on Ethiopia, from which it currently imports around 50% of its electricity consumption via a high-voltage line.

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NKOSITHANDILEB SOLAR

Phone: +27-11-934-5771

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