

# **Djibouti wind power generation system**





## Overview

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What is the source of Djibouti's energy?

Approximately 65 percent of Djibouti's electricity comes from external sources. The remaining energy comes from its own geothermal, solar, wind, and biomass sources. According to the International Renewable Energy Agency (IRENA), this reliance on imported energy can lead to price volatility that can hinder economic development plans.

Who is developing a wind farm in Djibouti?

The wind farm project is being developed by the Africa Finance Corporation, FMO (the Dutch Development Bank), Climate Fund Managers and Great Horn Investment Holdings through Red Sea Power, a company incorporated in Djibouti to develop, construct, own and operate the project.

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.

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."



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Djibouti is advancing its renewable energy initiatives with the inauguration of the Ghoubet wind farm, significantly increasing its energy capacity and reducing CO2 emissions.

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### [Djibouti unveils the first ever wind farm at ...](#)

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Sea Power (RSP), has a power ...

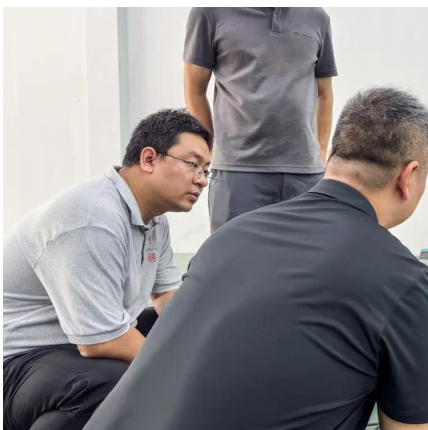
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### [Djibouti Inaugurates Debut Wind Farm, a Milestone in Quest ...](#)

It is owned by the Djibouti Ports and Free Zones Authority and Djibouti Sovereign Fund. GHIH develops and implements multi-modal transport systems in rail, aviation, road, ...

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The Red Sea Power Project involves the construction of a c.60MW Wind Farm in Ghoubet, Djibouti, 120km from the city. The Project also involves construction and operation of ...

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## [Djibouti Inaugurates Its First Wind Farm](#)

As the first significant international investment in the energy sector in Djibouti, the \$122m wind power project creates the country's first independent power producer (IPP) and ...

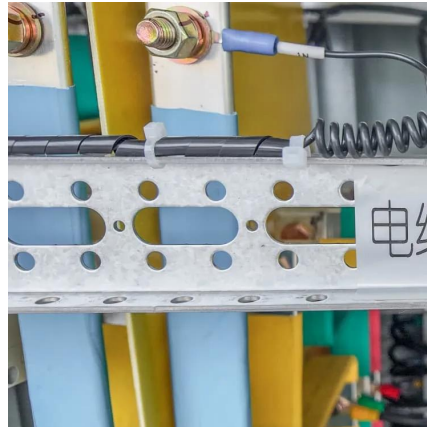
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### **Wind resource assessment and techno-economic analysis of wind ...**

The ever increasing energy demand of the Republic of Djibouti leads to the diversification of energy sources. While a few studies have explored the prospects of green ...

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