

## SolarTech Power Solutions

# Djibouti solar inverter research and development



## Overview

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Why is Djibouti constructing a solar farm?

Djibouti's \$390 million solar farm is under construction in southern Djibouti as a result of a public-private partnership between Djibouti's Ministry of Energy and Natural Resources and Green Enesys, a German renewable energy firm. Construction began in 2018 after \$50 million in funding was secured by the World Bank and other financiers.

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.

Will Djibouti be the first country to produce 100% green energy?

In its bid to become the first country on the continent to produce 100% green energy by 2035, Djibouti can also draw on other ambitious projects. These include the solar power project in the Grand Bara desert, for which work began in 2020.

Why did Djibouti open up electricity production to independent operators?

For the government, the aim was to open up electricity production to independent operators so as to achieve energy independence as soon as possible. It should be noted that the state-owned company Électricité de Djibouti retains a monopoly on the transmission and distribution of electricity. The project was developed by Red Sea Power (RSP).

Does Djibouti have geothermal energy?

Because of its geographical position, at the meeting point of three major rifts – the Red Sea, the Gulf of Aden and the East African Rift – Djibouti also has a

rich resource buried in its subsoil: Geothermal energy. President Ismaïl Omar Guelleh has been quick to make this a priority.

Can Djibouti reduce the cost of electricity?

Lowering the cost of electricity is a major challenge for Djibouti, but the benefits would be substantial. According to the World Bank, reducing the cost of electricity and telecommunications could increase real GDP by 39.1% by 2030, generate 23,000 jobs and considerably boost household incomes, while reducing poverty.

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