



GermanSolarZA

# Solar energy use in Yaounde





## Overview

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Could Yaounde City Council invest in solar energy?

The investment indicators for this project are quite bankable that the Yaounde City Council, with the recent decentralization of municipalities, could source partnership agreement with the Rural Electrification Agency in lobbying solar energy investors to set up this project which could be used as an additional source of income for the council.

How much solar radiation does Yaounde have?

Yaounde has an annual solar radiation of 4.69 kWh/m<sup>2</sup> /d where the month of July had the least average solar radiation and January has the highest solar radiation. Table 2. Average monthly solar PV electricity exported to the grid 3.1. Electricity generation.

Can a solar PV power plant be built in Cameroon?

In line with this goal, the study assesses the feasibility of a 211.75 MW solar PV power plant in Yaounde, Cameroon using RETScreen Expert. The simulation showed an annual electricity production of 304,668.191 MWh with arrays mounted on a fixed axis.

What is the economic viability of solar PV project in Cameroon?

Economic viability of the solar PV project show the economic viability of the solar PV project with a cost of energy (COE) of \$75.43/MWh or \$0.075/kWh which is equivalent to 48.75 FCFA (far less than the 82 FCFA tariff for commercial users in Cameroon).



## Solar energy use in Yaounde



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A first investigation was done in order to find out the potential of wind energy, but the wind speeds are not sufficient to provide enough electrical energy due to the location of ...

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## [Yaounde Solar System Project Price Costs Trends and](#)

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## **(PDF) Economic viability and environmental sustainability of ...**

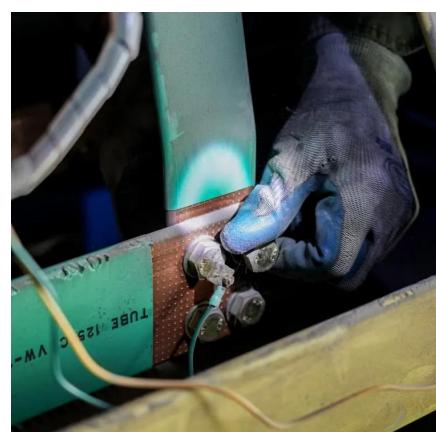
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### Solar PV Analysis of Yaoundé, Cameroon

Ideally tilt fixed solar panels 4° South in Yaoundé, Cameroon To maximize your solar PV system's energy output in Yaoundé, Cameroon (Lat/Long 3.8661, 11.5154) throughout the year, you ...

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