

Guinea rooftop photovoltaic panel power generation project





Overview

The Koumaguele Solar project will be Guinea's first grid-connected solar photovoltaic plant. The project is designed to complement power generation at the nearby 75-MW Garafiri hydroelectric plant. What is the first grid-connected solar PV array in Guinea?

The solar energy facility will be the first grid-connected solar photovoltaic (PV) array in Guinea. The project is being developed by InfraCo Africa with the support of Aldwych Africa Developments Ltd, in partnership with experienced French solar PV developer, Solvéo Energie S.A.S, a subsidiary of Solvéo Développement.

Why do we need solar power in Guinea?

to exploit Guinea's solar power potential in order to diversify the country's energy mix and increase the availability and reliability of power.

What is EPC & how does it work in Guinea?

It combines photovoltaic solar energy with hydroelectricity produced in Guinea, reduces the need for thermal energy and reduces the cost of electricity," said Jean-Marc Mateos, president of the Solveo Group. EPC procurement is at a mature stage, and initial discussions with lenders have begun.

What is the electricity rate in Guinea?

Guinea has a national electrification rate of 35.4%. Guinea's electricity supply is largely derived from hydropower, which can be susceptible to seasonal fluctuations in rainfall: 84% of businesses report power outages causing financial losses equivalent to about 4.7% of annual sales.

Does Guinea have an electrification rate?

Guinea's has a national electrification rate of 35.4%. The West African country is looking to increase its electrification rate to meet its developmental goals,



as well as diversify its energy mix. Guinea's existing electricity supply is largely derived from hydro power which can be susceptible to seasonal fluctuations in rainfall.



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