

Conakry solar thermal energy

Conakry, Republic of Guinea: InfraCo Africa, part of the Private Infrastructure Development Group (PIDG) and Solveo Energie, Solv?o Energie, a subsidiary of Solv?o Company, have signed a 25-year Power Purchase Agreement (PPA) with Electricit? de Guin?e (EDG); marking a significant milestone for the pioneering Khoumagu?li Solar IPP project. The PPA follows on from the signing of a Concession Agreement in February 2019.

The 40MWac Khoumagu?li Solar project will be Guinea's first grid-connected solar photovoltaic plant and is designed to complement power generation at the nearby 75 MW Garafiri hydroelectric plant. The facilities will combine to maximise delivery of renewable energy to the national grid, with Khoumagu?li Solar expected to mitigate against the impact of fluctuating rainfall on hydro power generation at the Garafiri plant.

The project is being developed by InfraCo Africa with the support of Aldwych Africa Developments Ltd, in partnership with experienced French solar PV developer, Solv?o Energie S.A.S, a subsidiary of Solv?o Developpement. The companies bring complementary skills and knowledge to the project. A Special Purpose Vehicle (SPV), named Khoumagu?li Solar S.A (the Project Company), has been established under Guinean law, with the purpose of developing and constructing the power plant.

Jean-Marc Mateos, President of the Solveo Group said, "The Khoumagu?li Solar project contributes to the energy transition on the African continent. It combines photovoltaic solar energy with hydroelectricity produced in Guinea, reduces the need for thermal energy and reduces the cost of electricity." And he adds, "In coordination with its partners, Solv?o Energie works internationally to ensure the sustainability of economic, social and environmental development so that future plants benefit infrastructure users, national and regional stakeholders. InfraCo Africa aims to alleviate poverty by mobilising private sector funds and expertise to develop high-quality infrastructure projects in sub-Saharan Africa."

The GoG has prioritised development of the energy sector as part of the country's National Development Plan Economic and Social Council (2016-2020). The government is specifically seeking to exploit Guinea's solar power potential in order to diversify the country's energy mix and increase the availability and reliability of power.

As one of Guinea's earliest renewable IPP initiatives, Khoumagu?li has used grant funding secured from PIDG's Technical Assistance (TA) and from ADEME (Agence De l'Environnement et de la Maitrise de l'Energie) to support work to build government capacity to undertake renewable energy projects with the private sector.

EPC procurement is at a mature stage, and initial discussions with lenders have begun.

Behind the scenes: Expecting t... »

As the first grid-connected solar plant in Guinea, the Khoumagueli project will diversify Guinea's national energy mix and increase installed capacity by 40MW. Khoumagueli's power will complement that provided by a nearby hydro facility, compensating for reductions in daytime output when water levels fall or whilst the plant is being refurbished.

This page lists the main power stations in Guinea contributing to the public power supply.

There are also a number of private power plants supplying specific industrial users such as mines and refineries.

Guinea is considered to have considerable renewable energy potential. Schemes at an advanced state of development are included.

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Web: <https://www.kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

