## Solar thermal energy luanda



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Construction of the 26,906 MW Luena Solar Energy Park in Angola"s Moxico Province is due for completion by 2024, with the country"s Government having indicated that contractual deadlines will be met.

The project, which is 60% completed, is being developed by solar project developer Sun Africa and engineering and technology consulting company, MCA Group, and will cover an area of 0.5km2 in the Samalesso District, Luena City.

"The Luena Solar Energy Park will "contribute to improving electricity supply in the city, which in recent times has been marked by several electricity restrictions due to constant breakdowns of the thermal power plants," says deputy governor for the technical and infrastructure sector, Wilson Agnelo.

Boasting 42,560 solar panels, the solar park is poised to save approximately 19,515 liters of fuel consumed in thermal power plants upon completion in 2024.

Construction of the Luena Solar Energy Park comes as part of Angola"s program to build seven solar photovoltaic power plants in the Benguela, Moxico, Luanda Sul, Luanda Norte, Bi?, Huambo, and Namibe Provinces.

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Energy is very much dependent on the regulatory environment and that is getting better year by year.

Tell us about your partnership with Total Eren on the solar farm in Lubango in Huila province. This project will install 35 MWp in the first phase. It will be one of the first projects to inject solar PV electricity and reduce diesel consumption. The aim is to generate clean electricity in the south region and achieve immediate economic and financial impact for the State of Angola, and in the broader perspective, support that goal of exporting.

What are the challenges in injecting solar PV electricity into the grid? We need to start with what we call the "grid impact study," as we might generate some vulnerabilities and impacts on the grid. We can inject different amounts in different areas, and this will depend in part on the presence of power plants in the area.



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For example, right now, the most suitable place to inject solar PV electricity is in Lubango. Another factor is the coming interconnection of the country"s south and centre grids, which will take place over the coming two to three years. That will allow us to inject a much greater volume.

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