



Cleantech energy solutions Angola

Will Angola build a solar power plant in Quilemba?

TotalEnergies, the French multinational energy company, has secured a concession by the Angolan authorities for the construction of the Quilemba solar power plant. The 35 MWp solar PV plant is Angola's first solar power project and will be developed in the town of Quilemba in Huíla Province.

Does Angola need solar energy?

Angola already boasts an impressive renewable energy component in its energy matrix, primarily derived from water resources. However, we recognise the potential for solar energy to complement this matrix and provide essential energy security.

What is a solar PV project in Angola?

The 35 MWp solar PV plant is Angola's first solar power project and will be developed in the town of Quilemba in Huíla Province. The Quilemba photovoltaic project will be implemented under a joint venture by TotalEnergies, Greentech - Angola Environment Technology, and affiliates of Angolan oil company Sonangol EP.

How will the Quilemba PV plant impact Angola?

The Quilemba PV plant will increase the percentage of renewable energy in Angola's energy mix and contribute to raising the electrification rate in the country where only 47% of the population has access to electricity.

Does Angola need water management?

While Angola is rich in water resources, changing climate patterns necessitate comprehensive water management. Our vision extends to associating the energy supply with the water supply. This is a commitment we are already pursuing.

How will MCA contribute to Angola's solar generation capacity?

MCA aims to contribute significantly to the country's solar generation capacity, leveraging the expertise gained from our ongoing solar projects. This project will be closely intertwined with efficient water resource management. While Angola is rich in water resources, changing climate patterns necessitate comprehensive water management.

What is Aker Solutions' approach to training and human capital development in Angola's oil and gas sector?

The first key element related to investment in training and ...

Last week, the National Petroleum Company of Angola (Sonangol) and Chinese firm Qinghai Lihao Clean Energy signed a memorandum of understanding to build a ...

To what extent could Covid-19 intensify the urgency around promoting and expanding sustainable energy solutions in Angola? For those not intending to abide by certain principles, the Covid-19 situation can easily be used as a scapegoat. However, Angola is part of a bigger community, which is the world.

Unitel is exploring technical and business solutions to advance plans for sustainable development, especially regarding low-carbon energy. Working with Huawei allows Unitel to establish green networks with minimal operational expenditure (OPEX), consequently driving Angola's socio-economic development.

What is Aker Solutions' approach to training and human capital development in Angola's oil and gas sector? The first key element related to investment in training and infrastructure is performance and operational sustainability.

Jorge Salvador Nunes, executive director and co-founder of Greentech, talks to The Energy Year about the evolution of the company's business model, the segments it is targeting and its involvement with the Quilemba project. Greentech is an Angolan company developing projects in energy and in environmental technologies.

With these measures and their focus on renewable energy, Sonangol contributes even more to the promising clean energy sector in Angola, which already had a high production of non-polluting energy, placing its energy mix by the end of 2021 at 68 percent hydropower, 31.3 percent other fossil fuels and 0.7 percent hybrid (solar/fossil fuel), but ...

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Companies like Chevron and Azule Energy are leading the charge, with Chevron signing a 2023 MOU with the government to explore low-carbon projects. During AOG 2024, a panel on Service Sector Solutions will discuss innovations in emissions reduction for oil and gas operations, alongside a workshop on Low Carbon Solutions.

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A new rural solar project in Angola will provide sustainable electrification to 1 million people across the provinces of Moxico, Lunda Norte, Lunda Sul Bié and Malanje (source: MCA Group), and who were not previously connected to the national grid.

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