

## Solar energy policy n djamena

The Sustainable Energy Fund for Africa (SEFA) has just approved a USD 780,000 preparation grant for the development of a first phase 40 MW of Starsol\* Solar PV Plant near N'Djamena in Chad as the first Independent Power Producer (IPP) scheme to be connected to the national grid. Specifically, the SEFA grant will finance the costs related to technical assistance for the completion of the plant design and grid study, as well as advisors for legal and financial structuring of a bankable IPP.

The project aligns with the Chad Government's focus on the development of renewable energies as a national energy policy priority, in a country with less than 2% of the population has access to electricity and the electricity generation costs are high (FCFA 345/KWh, USD 0.65/KWh) as most of it is provided by private diesel generators. The project is also aligned with the African Development Bank Climate Change Action Plan 2011-2015 and Energy Policy, as well as the Bank's Strategy 2013-2022 which focuses on the twin objectives of inclusive and green growth in the continent.

\* Starsol Chad project is promoted by a consortium including NewSolar Invest, a solar energy project developer, CIEC Monaco, an engineering company, and Arborescence Capital, an infrastructure and renewable energy project financing arranger.

The N'Djamena Amea Solar Power Station is a planned 120MW (160,000hp) solar power plant in Chad. This renewable energy infrastructure project will be developed by Amea Power, an independent power producer (IPP), based in Dubai, United Arab Emirates. The solar farm will be built in phases.

The solar farm will be located near N'Djamena, the largest city and capital of Chad.

According to the United States Agency for International Development (USAID), as of May 2021, Chad's national generation capacity was 314 megawatts, nearly all of it derived from expensive "fossil fuels". At that time, the national electrification rate was 9 percent (38 percent Urban and less than 5 percent Rural).

The N'Djamena Amea Solar Power Station represents one of the first grid-ready renewable energy sources in the country. The electricity generated at this power station will be sold to Soci?t? Nationale d'?lectricit? du Tchad (SNE) (Chad National Electricity Company), under a long-term power purchase agreement (PPA).

This power station is under development and is owned by Amea Power, an independent power producer, active in Asia, Middle East and Africa. The Amea Power Group is headquartered in Dubai, United Arab



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To access additional data, including an interactive map of global solar farms, a downloadable dataset, and summary data, please visit the Global Solar Power Tracker on the Global Energy Monitor website.

The Djermaya Solar project, represented by InfraCo Africa its majority shareholder, today signed a 25-year PPA with the Ministry of Energy and the national utility, La Soci?t? Nationale d'Electricit? (SNE). The PPA marks a key milestone in the development of Djermaya Solar, enabling the project to raise construction financing and demonstrating the joint commitment of all parties to developing renewable energy in Chad.

Chad relies upon expensive heavy fuel oil and diesel for electricity, making the country vulnerable to supply failures and global price fluctuations. Djermaya Solar is one of the first solar IPP projects in Chad. This pioneering project will be delivered in two phases of 32MWp and 28MWp, gradually integrating renewable power into Chad's national grid. Development of the project is being led on the ground by Aldwych Africa Development Limited (AADL, on behalf of InfraCo Africa) and Smart Energies.

"We are excited to be working with our partners at the forefront of renewable energy in Chad. InfraCo Africa is uniquely able to fund high-risk projects in the earliest stages of their development so that they can complete activities, such as negotiating bankable PPAs, which are necessary to mobilise private sector investment. Working with our sister PIDG companies, Djermaya Solar demonstrates our commitment to investing into challenging markets, both here and across West Africa."

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