

Residential energy storage n djamena

The African Development Bank has provided an EUR18 million loan and a partial risk guarantee for the first, 32 MW phase of a 60 MW solar power project under development in Chad.

British power plant developer Aldwich International Limited and independent power producer Smart Energies will develop the projects under a private-public partnership with the utility and the Chadian government.

The interconnection infrastructure includes a 33 kV overhead transmission line, two 33/90 kV transformers at a local substation and a 4 MWh battery system for network stabilization, the African Development Bank added.

The European Union - through its EU-Africa Investment Trust Fund - approved a EUR6.35 million loan for construction of the transmission line, substation and other electrical works required for grid connection. The EU previously announced the project was intended to be fully financed in 2017 and operational last year.

The solar-plus-storage project is part of the African nation's efforts to address a power deficit which means only 1.4 million people from a population of 14.4 million have access to electricity.

UAE-based developer Amea Power has proposed a 120 MW solar project near N'Djamena and compatriot Almaden Emirates Fortune Power LLC is planning a 200-400 MW facility in the central African nation.

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A contracted 32MW solar-plus-storage project just north of Chad's capital N'Djamena is one step closer to fruition after the African Development Bank (AfDB) provided it with an €18 million (US\$19.6 million) loan with a partial risk guarantee.

The loan is part of the development financier's US\$20 billion 'Desert to Power' initiative to install 10GW of solar across the Sahel by 2025. It will cover interconnection infrastructure including a double-circuit 33kV overhead transmission line, two 33 / 90kV transformers at a substation and a 4MWh battery system, according to an AfDB release.



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The Djermaya solar project is being billed as among the first utility-scale solar ventures in the central African state and its first electricity sector private-public-partnership. The plant's backers estimate that it will increase the country's electricity capacity by 10%.

Currently, the entirety of Chad's 125MW power generation comes from diesel and more than 13 million people nation-wide lack access to power, according to USAID statistics. In rural communities, access rates are as low as one percent.

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