Battery research and development chad

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In Ati (Chad), John Cockerill has just commissioned a NAS(R) battery system for ZIZ Energie, a company from Chad involved in decentralized energy infrastructure projects for secondary towns. Another milestone showcasing our expertise in off-grid, remote energy systems, with renewable production and long duration energy storage!

As EPC contractor, John Cockerill developed the project and ensured careful execution and integration. This project highlights our commitment to facilitate access to green energy and our contribution to Sustainable Development Goals.

The authorities in Chad have launched a tender for solar-diesel hybrid projects with battery storage, featuring a combined 4 MW of solar capacity and 2 MWh of daily storage.

The plants will be built in the towns of Bongor and Bol in the west of the country and Biltine in the east. The African Development Bank is funding the the Chad Electric Power Sector Support Project (PASET).

According to online guidance, the plant in Bongor will feature a 2 MW solar plant alongside daily storage of 1 MWh and two generators with a combined 1,000 kVA. The Bol and Bilitine plants will each consist of a 1 MW solar plant with 0.5 MWh daily storage and one 1,000 kVA generator.

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WASHINGTON, March 24, 2022 - The World Bank today approved a $295 million grant from the International Development Association (IDA)* to help Chad expand its access to energy.

"The Bank"s support strategy for access to energy in Chad is based on a two-pronged approach: off-grid electrification led by the private sector to rapidly boost access and national grid-based electrification by SNE, which is strategically important," said Clara de Sousa, Country Director for Burkina Faso, Chad, Mali, and Niger.

"With private sector participation, this project aims to increase electricity access from the current rate from

about 6% to 30% by 2027 for approximately one million households," addedRasit Pertev, World Bank Country Manager for Chad.

As a result of the PAAET, more than six million people will benefit from electricity services, including 400,000 refugees and about 740,000 people from host communities. The project will also provide access to electricity for approximately 850 medical centers and 700 schools, mainly in rural areas, including 150 medical centers and 200 schools for refugees and host communities.

Despite significant fossil fuel resources and abundant sunshine, Chad has one of the lowest electricity access rates in the world at 6.4%, compared to the average of 48% in Sub-Saharan Africa. In July 2020, the government implemented a National Emergency Electricity Plan (NEEP) with a view to achieving a 53% access rate by 2030. The PAAET, the Cameroon-Chad Power Interconnection Project (CCPIP) currently being implemented, and the World Bank-financed energy sector reforms are expected to help Chad achieve the objectives of the NEEP.