

## Kongres Container

# Basic introduction of Chad independent energy storage project



## Overview

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Supported by RelyEZ Energy Storage, the Chad solar energy storage project features a 2MW photovoltaic power generation system, a 500kW diesel generator, and a 6.4MWh lithium battery storage system to create an off-grid power supply system. How a hybrid energy system can improve electricity access rate in Chad?

The renewable energy implementation with hybrid system design can significantly reduce greenhouse gas emissions and increase electricity access rate in Chad. The National Electricity Company generates electricity using only the diesel generators.

What is Chad energy access scale up project?

The proposed Chad Energy Access Scale Up Project will complement the ongoing activities and accelerate access in secondary cities via mini-grids and in rural areas - via SSS.

What is the Chad Power Sector?

The Chad power sector institutional, legal and regulatory framework is being developed. The Ministry of Energy (MoE) oversees the energy sector, including planning, policy formulation and implementation, and sector monitoring and evaluation.

How can Chad solve the energy crisis?

For the Chadian government to solve the energy crisis, it can attract investors by exploring such type of feasibility study of options to electrify the isolated areas. The renewable energy implementation with hybrid system design can significantly reduce greenhouse gas emissions and increase electricity access rate in Chad.

How does Chad generate electricity?

Chad currently generates electricity by consuming oil. With the declining cost

of new solar generation plants, the Government of Chad and development partners have prioritized solar power throughout the country. Machinery and parts for electricity transmission and distribution are also in demand. Opportunities.

Can solar/wind/diesel/batteries provide electricity in 25 sites of Chad?

assessed the Grid/PV/Wind hybrid energy system viability to provide electricity in 25 sites of Chad . designed a solar/wind/diesel/batteries for three climatic zones of Chad . investigated the feasibility of solar/wind/diesel/batteries for the supply of energy needs of Amjarass (a town in Chad).

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