



Lithium-ion batteries benin

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The Dohou? MySol Grid, powered by 135 kWp of solar panels and supported by 130 kWh of Lithium-ion batteries, connects over 1,500 residents and businesses to sustainable energy solutions. In partnership with the Beninese Agency for Rural Electrification and Energy Management (ABERME), ENGIE Energy Access has secured a 20-year license agreement, underlining its commitment to long-term, impactful development. This electrification milestone promises enhanced economic prospects for the local community, providing access to income-generating activities and fostering financial inclusion.

Gillian-Alexandre Huart, CEO of ENGIE Energy Access commented: "Our comprehensive offering across solar home systems and mini-grids in Benin enables a cost-effective and adaptable multi-technological approach. Therefore, we can meet the various urgent needs of residential, communal, and productive users living outside the national grid." He added. "We are committed to making clean energy technologies accessible to low-income households, promoting inclusivity and empowerment within each member of the communities we serve."

This project will accelerate energy access solutions in Benin where ENGIE Energy Access is bringing light and sustainable electricity to already more than 1,500,000 people

ENGIE Energy Access BENIN currently has over 200 employees, 1000 independent sales agents, and more than 100 points of presence across the country, dedicated to providing exceptional customer experience with high-quality products and services.

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Cegasa was founded in 1934. From the start, the company has always worked in the area of electrochemical energy storage. Cegasa is a manufacturer of industrial batteries, lithium-ion batteries and solutions for energy storage.

Specialised in the design and manufacture of lithium-ion products and solutions for renewable applications such as off-grid installations, self-consumption solutions, microgrids, distributed rural electrification, grid quality, peak shaving, load shifting and electric vehicle recharge.

The project consisted in the construction of a photovoltaic solar power plant coupled to the private low voltage grid of the Benin & Niger border post in Malenville, with the aim of powering the Juxtaposed Control Stations of the border post, and having an energy backup provided by the Cegasa's High Energy Storage solution.

The project deploys a power of 450 kWp / PV installed on roofs, with Cegasa lithium LFP batteries backup providing 484 kWh (672 Vdc) storage capacity to guarantee the power supply (self-consumption) of the Juxtaposed Control Stations in Malenville (Benin) border post.

The investment in photovoltaic solar power plants with energy storage systems can be the solution for the access to the energy in most of the rural communities all around the world, thus making them easier their development and life conditions.

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