

## European Solar and Energy Storage Solutions

# Equatorial Guinea nighthawk energy storage



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### Equatorial Guinea: Solar microgrid for Annobon Island , African Energy

The microgrid will provide electricity for the island's 5,000 residents using GE's battery-based energy storage system, which is designed to withstand the high temperatures on the island. The project is being led by MAECI Solar, which is providing the solar modules and system integration.

### Panoro Energy Finalizes Terms for Equatorial Guinea Block EG-23

Panoro Energy CEO John Hamilton said, "The award of a PSC for Block EG-23, when finalized, will be a complementary expansion of our existing acreage portfolio in Equatorial Guinea. We look forward to partnering with GEPetrol to leverage our collective core subsurface skill sets, increasing our exposure to a broad range of play types



### Alen Gas Monetisation Project, Gulf of Guinea, Equatorial

The gas produced by the Alen field is processed by the existing infrastructure located at Punta Europa in Bioko Island, Equatorial Guinea. Location and reserves. The Alen gas and condensate field is mainly located in Block O and has an extension in Block I. The field is situated in the Douala Basin, Gulf of Guinea, Equatorial Guinea.

## Equatorial Guinea Intensifies E& P Activities in 2021

Equatorial Guinea will see three exploration wells drilled in Trident Energy-operated Block G in 2021, along with refurbishment and well intervention works across other assets, according to the Ministry of Mines and Hydrocarbons.



## Equatorial Guinea: Small-scale LNG terminal planned for mainland

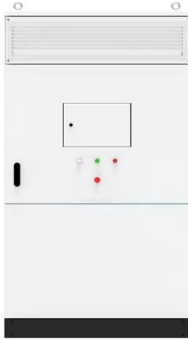
The government has announced plans for an LNG terminal on Equatorial Guinea's mainland. The new plant will be built at the port of Akonikien on the southern border by local contractor Elite Construcciones. It will have a storage capacity of 14,000m<sup>3</sup> in 12 bullet tanks as well as a truck loading station and 12km of gas and diesel pipelines, and will enable the ...

## About the Project - Nighthawk Energy Storage

The Nighthawk Energy Storage Project is located in Poway at the corner of Paine Street and Kirkham Way, allowing close access to an electrical substation and transmission system. The main project components are the battery storage containers, which include racks of batteries, control units, fire prevention and fire protection equipment; voltage



## Equatorial Guinea: Energy System Overview



GOAL: to promote an understanding, on a global scale, of the dynamics of change in energy systems, quantify emissions and their impacts, and accelerate the transition to carbon-neutral, environmentally benign energy systems while providing affordable energy to all.

## Oil On Gas Regulations Spotlight: Equatorial Guinea

Equatorial Guinea's energy requirements are currently being met by two main energy sources - hydrocarbon and hydropower, and interestingly, its combined capacity far exceeds current local requirements. Hydrocarbons account for about 61% of the total energy consumed in Equatorial Guinea. , processing or storage of natural gas; downstream



## Energy in Equatorial Guinea

Energy in Equatorial Guinea is an industry with plenty of potential, especially in the fields of oil and natural gas. However, production has been declining in recent years due to under-investment and lack of new discoveries. In 2022, the country produced less than 100,000 barrels of oil per day (bopd) according to OPEC [1] data.

## City of Carson, California, green lights Arevon 800MWh BESS

Under the terms of a 15-year energy storage services agreement (ESSA), SDCP will pay Arevon a fixed price for capacity--adjusted for availability and verified capacity--commencing

15 April 2026. It also includes a larger 300MW/1,200MWh BESS located in San Diego County known as the Nighthawk Storage facility, which is under ...



## energy storage status in equatorial guinea business parks

Trident Energy has secured an extension to its production sharing contract in Block G, in the Rio Muni Basin of Equatorial Guinea to 31 December 2040. The block currently produces around 35,000 b/d of oil.

## The Next Giant Leap for Electric System Reliability: PG& E Proposes

Projects Expected to Deliver Clean Energy to Customers by 2024. OAKLAND, Calif.--(BUSINESS WIRE)-- As part of its mission to build a stronger, more resilient energy grid for the hometowns it serves, Pacific Gas and Electric Company (PG& E) is proposing nine new battery energy storage projects totaling approximately 1,600 megawatts (MW), to further ...



## Equatorial Guinea: Solar microgrid for Annobon Island , African Energy

The government has contracted US company MAECI Solar, in collaboration with GE Power &



Water and Princeton Power Systems, to install a 5MW solar microgrid system on Annobon Island. The microgrid will provide electricity for the island's 5,000 residents using GE's battery-based energy storage system, which is designed to withstand the high temperatures ...

## Nighthawk utility-scale storage facility to use Tesla ...

The Nighthawk project is located within an existing industrial park. Construction is expected to begin in 2023 and take about a year to complete. At the peak of construction, approximately 100 workers will be on ...



## Equatorial Guinea: Small-scale LNG terminal planned for mainland

It will have a storage capacity of 14,000m<sup>3</sup> in 12 bullet tanks as well as a truck loading station and 12km of gas and diesel pipelines, and will enable the transportation and storage of LNG produced at the EGLNG plant at the Punta Europa Gas Complex on Bioko Island.

## A Solution to Global Warming, Air Pollution, and Energy ...

This infographic summarizes results from simulations that demonstrate the ability of Equatorial Guinea to match all-purpose energy demand with wind-water-solar (WWS) electricity and heat supply, storage, and demand response continuously every 30 seconds for three years

(2050-2052). All-purpose energy is for electricity, transportation,



## The "After Exxon" Begins New Oil and Gas Chapter for Equatorial Guinea

By Antonio Oburu Ondo, Minister of Hydrocarbons and Mineral Development, Equatorial Guinea ExxonMobil has concluded its operations in Equatorial Guinea after almost three decades, fulfilling its intention, stated in 2022, to leave when its licenses expired. The departure of the American giant marks the close of a significant chapter in our Country's ...

## The Next Giant Leap for Electric System Reliability: PG& E Proposes

Nighthawk Energy Storage, LLC (an affiliate of Arevon Energy) - The Nighthawk Storage project is comprised of a 300 MW stand-alone, transmission-connected battery energy storage resource



## Equatorial Guinea Adopts New Petroleum Regulation

Equatorial Guinea's Ministry of Mines and Hydrocarbons (MMH) has announced the adoption of the new Regulation of Petroleum



Operations Regulation, Regulation No 2/2020 of 15 June 2020. The new regulation modernises Equatorial Guinea's existing regulatory framework and is intended to maintain the country's attractiveness for foreign investors.

## Maximising Equatorial Guinea's hydrocarbon industry potential

How has Equatorial Guinea's energy sector become a more attractive destination for foreign investment? It is simple, the hydrocarbons sector contributes 90 percent of Equatorial Guinea's GDP and with that in mind, to drive economic growth, we have focused on creating an enabling environment for industry players. Through licensing rounds and



## Aptech Africa Lights Up Remote Equatorial Guinea

Aptech Africa implemented solar systems in 11 distinct villages, featuring capacities of 5kWp, 15kWp, and 20kWp, coupled with battery energy storage ranging from 12kWh to 36kWh. Among these, one system is hybrid, while the rest are standalone systems coexisting with generators and the existing grid.

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