

Could gas-to-power help Equatorial Guinea develop a regional power economy?

For Equatorial Guinea, which enjoys a strategic position in the Gulf of Guinea, gas-to-power offers the potential to anchor the development of a regional power economy. Given its current energy output and relatively small population of 1.4 million, the country has been able to meet domestic energy demand with self-produced power to date.

Who regulates electricity in Equatorial Guinea?

The primary lawmaking body for national electricity policy in Equatorial Guinea is the Ministry of Industry and Energy. The Ministry is responsible for regulation and compliance in the sector. Specific laws that deal with power sector management, tariffs and operations were passed in 2002 and 2005.

Is biomass a source of electricity in Equatorial Guinea?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important source in lower-income settings. Equatorial Guinea: How much of the country's electricity comes from nuclear power? Nuclear power - alongside renewables - is a low-carbon source of electricity.

Is gas-fired power generation a viable solution for Equatorial Guinea?

As Equatorial Guinea emerges as a leader in regional gas monetization, gas-fired power generation represents an attractive solution to fulfilling national electrification objectives, while meeting global decarbonization demands.

Why is natural gas important in Equatorial Guinea?

In Equatorial Guinea, natural gas is set to play a major role in not only supporting the country's drive to increase electricity access, but also fast-tracking industrialization and a transition to cleaner energy sources.

Does Equatorial Guinea have a gas-to-power plant?

While the Turbogas plant has been Equatorial Guinea's largest power plant for over a decade, the Ministry of Mines and Hydrocarbons has been pushing to further develop the use of natural gas for local consumption through gas-to-power construction projects.

Mr. Abdul Razak Adam, Chief Executive Officer, Electrochem Ghana, says the Outgrower Scheme launched by his outfit for local miners within Ada and its environs would generate \$200m every year. Mr. Adam disclosed this to the Ghana News Agency (GNA) in a phone interview.

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The power grid in Equatorial Guinea is divided in two parts: the island grid (Malabo, Bioko Island) and the

continental grid (Bata, Rio Muni). The high voltage power grid in the Rio Muni region has allowed the government to invest in interconnection points with Gabon and Cameroon.

Health Sector Occupational Pension Scheme (HSOPS) has launched a new mobile application to enhance services to its tier-two pension scheme beneficiaries. The mobile application will allow beneficiaries to access and update their information, follow up on their contributions as they are provided with in-dept analysis of their investments.

Hence, a protection scheme that features very low power loss is required. Another feature of this scheme is that, if battery polarity is reversed, body diodes in each MOSFET become forward biased. If the reverse polarity voltage is greater than approximately 2 V, this condition leads to current rise limited only by the diode characteristics.

The governments of Equatorial Guinea (EG) and Cameroon signed a memorandum of understanding (MoU) on 10 July paving the way for joint development of Noble Energy's Yolanda discovery in EG Block I and Yoyo discovery offshore Cameroon. The company told African Energy the MoU stated that the two discoveries were in a contiguous reservoir that ...

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The Japanese government has published the list of battery aggregators that successfully applied to a scheme to promote energy storage systems. The scheme aims to increase the uptake of residential and ...

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Despite logistics challenges, Aptech Africa has installed 11 solar systems in Equatorial Guinea 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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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.

The South Australia Home Battery Scheme, launched by the state government, offers a maximum of AU\$6,000 assistance per household for the purchase of battery energy storage. Home storage systems are typically, but not always, paired with solar PV, and homeowners can get back between AU\$500 and AU\$600 per kilowatt hour of battery storage ...

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The selection of projects for the scheme will be carried out by Poland through a competitive call for proposals. Margrethe Vestager, executive vice-president of competition policy, said: "With this EUR1.2bn scheme Poland can deploy additional electricity storage capacity.

Web: <https://www.gennergyps.co.za>