

## Solar Energy South Africa

# Gabon mainstream energy solutions



## Overview

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Is biomass a source of electricity in Gabon?

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. Gabon: How much of the country's electricity comes from nuclear power?

Nuclear power – alongside renewables – is a low-carbon source of electricity.

How is Gabon approaching energy planning?

To achieve climate agreements, and meet its growing energy demands, Gabon is approaching energy planning through a different process. News & Commentary Features/Analysis News Industry Sectors Generation Transmission and Distribution Metering Finance and Policy Climate Change Renewable energy Bio-energy Geothermal Hydropower Solar Wind.

What are the main sources of energy in Gabon?

(October 2009) Energy in Gabon comes from two main sources, fossil-fuels and hydroelectricity. Gabon also relies heavily on oil for its export revenues, exporting both crude oil and petroleum. In terms its oil reserves, the country is one of the richest in sub-Saharan Africa, ranking 5th after Nigeria, Angola, Sudan, South Sudan, and Uganda.

What challenges does Gabon face?

As a would-be emerging nation looking at diversifying and sustainably growing its economy, Gabon faces the challenge of simultaneously meeting increasing energy demand to improve socioeconomic conditions and protecting biodiversity and resilient ecosystem services into the future.

What type of electricity does Gabon use?

Renewable electricity here is the sum of hydropower, wind, solar, geothermal,

modern biomass and wave and tidal power. 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. Gabon: How much of the country's electricity comes from nuclear power?

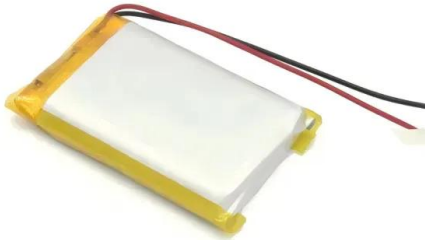
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What are the opportunities in Gabon?

The opportunities are immense, but so are the demands. Gabon's urban population is growing at 3.3% annually, and we have committed to increasing the energy access for rural populations, whose current 38% electrification rate is meagre compared to urban areas, which have a rate of above 80%.

## Gabon mainstream energy solutions

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### Management Team - Mainstream Energy Solutions Limited

Management Team Meet the Leaders Shaping Mainstream's Future Col. Sani Bello (RTD) Col. Sani Bello (RTD) Col. Sani Bello was born in Kontagora on 27th November 1942. He attended Kontagora Central Primary School from 1950 to 1956 and Bida Government...

### Lamu Audu

Engineer's degree at University of Maiduguri · Experience: Mainstream Energy Solutions Limited · Education: University of Maiduguri · Location: Nigeria · 41 connections on LinkedIn. View Lamu Audu's profile on LinkedIn, a professional community of 1 billion members.



### Habib Jimoh

Hydropower plant maintenance engineer. at Mainstream Energy Solutions Limited · Plant Manager Jebba Hydro Power Plant with over 26 years of experience in Hydro Power Plant Management, Maintenance and Operation. · Experience: Mainstream Energy Solutions Limited · Education: Fed University of Technology Akure. Kwara State Polytechnic Ilorin · Location: ...

[Mainstream Energy Solution Salary](#)

The average salaries for Mainstream Energy Solution is 156,187 Naira. This data is collated by 3 employees from Mainstream Energy Solution. The roles include Teacher, Entry Level Graduate, Plant Engineer. The gender distribution at Mainstream Energy Solution based on salary submitted is male(25%), female(75%), unspecified(0%).



## [Renewable Energy in Gabon](#)

Gabon, a small country in Africa, has had limited electricity access for its citizens, particularly in rural areas. Conventional sources of energy have proven unsustainable in the past and thus the country of Gabon has sought a better alternative. With 98.6% of Gabon's urban population having access to clean electricity by 2021, here is how the government ...

## Directors

He later became a director at Mainstream Energy Solutions Limited from 2013-2018. He is currently a board member of numerous companies such as Jos Electricity Distribution Company, Highland Integrated Electricity Services Limited, Sanbell Investment Limited to mention but few. He holds a Bachelor's Degree in Law from the University of



## Mainstream Energy Solutions Limited , LinkedIn

Mainstream Energy Solutions Limited , 3,125 ??  
 ?????????? ??? LinkedIn. Africa's Largest Renewable Energy Company. Operators of Kainji / Jebba Hydropower Plants. , Mainstream Energy Solutions Limited (MESL) is the concessionaire of Kainji and Jebba Hydro Power Plants (HPP) with

an installed capacity of 760MW and 578.4MW respectively and a total installed capacity of ...



## Mainstream energy solutions receives carbon credits from ...

3 ??? Mainstream Energy Solutions Limited (MESL) has secured carbon credits from Netzence Sustainability Limited (Netzence). The Founder/CEO of Netzence, Dr Sadiq Sani made this known yesterday stating



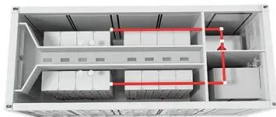
## [Mainstream Energy Solutions - NERP](#)

Mainstream Energy Solutions Limited (MESL) is the concessionaire of Kainji and Jebba Hydro Power Plants (HPP) with an installed capacity of 760MW and 576.8MW respectively and a total installed capacity of 1338.4MW. The two hydro plants are 100km apart with Kainji dam being on the upstream of Jebba both drawing water from the same source, Niger

## [Mainstream Energy Solutions Limited](#)

The Directors present their annual report on the affairs of Mainstream Energy Solutions Limited ("the Company") and its subsidiaries (collectively referred to as "the Group") together with the consolidated and separate audited financial statements and auditor's report for the year

ended 31 December 2022.



## Tackling Gabon's future energy needs scientifically

As a would-be emerging nation looking at diversifying and sustainably growing its economy, Gabon faces the challenge of simultaneously meeting increasing energy demand to improve socioeconomic conditions and ...

## Tackling Gabon's future energy needs scientifically

Think of the resources available in Gabon to drive its economic development and what most likely comes to mind is oil, and timber. There is no doubt both have helped the country to become one of Africa's wealthiest nations, with a GDP per capita of around \$7,667 in 2019 as per the World Bank.



## [Mainstream Energy Solutions](#)

TBY talks to Lamu Audu, CEO of Mainstream Energy Solutions Limited, on the Gas & Power sector. Since investing in Kainji and Jebba in 2013, what have been your master achievements? We are expected to recover the storage capacity of both plants within five years, a total storage capacity of 1,338MW. When we

took over Kainji in November 2013



## [Mainstream Energy Solutions Limited](#)

Mainstream Energy Solutions Limited (MESL) was incorporated and licensed as a power generating company in 2011. The Kainji and Jebba Hydro Plants (HPP) with a total installed capacity of 1338.4 MW were acquired through a concession agreement with the Federal Government of Nigeria in November 2013. The two hydro plants are cascaded 100km apart



## **Aker Horizons closes transaction to acquire Mainstream**

Aker Horizons ASA ("Aker Horizons") has finalized and closed the transaction to acquire Mainstream Renewable Power Ltd. ("Mainstream"), a global pure-play renewable energy company. We aim to be the hybridization frontrunner, accelerating the Power-to-X market as well as pioneering smart energy solutions by leveraging on partnerships

## [Mainstream Energy Solutions Limited](#)

Mainstream Energy Solutions Limited , LinkedIn

?? 3,172? , Africa's Largest Renewable Energy Company. Operators of Kainji / Jebba Hydropower Plants. , Mainstream Energy Solutions Limited (MESL) is the concessionaire of Kainji and Jebba Hydro Power Plants (HPP) with an installed capacity of 760MW and 578.4MW respectively and a total installed capacity of ...



## Mainstream Energy Solutions Ltd. receives Afrisafe Merit Award ...

"Mainstream Energy Solutions Achieves Milestone with Over 7.5 million man-hours without lost time injury"- Dr. Iwunze. Oredola Adeola. Mainstream Energy Solutions Limited (MESL), the operator of the Kainji, Jebba, and Zungeru hydropower plants, has been honoured with the Afrisafe Merit Award for outstanding commitment to safety standards in

### [Usman Muhammad Umar, FIMC](#)

Executive Director at Mainstream Energy Board Member ·

Usman Muhammad Umar is the ED Corporate Services at Mainstream Energy Solutions Limited, operator of Kainji, Jebba, and Zungeru Hydro Power Plants. In this role, he manages Administration, Human Resources, Civil Projects, Security, and Corporate Social Responsibility With over 30 years of experience, ...



## Contact Us

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