



Optimera energy Sierra Leone

Who is Optimera energy?

Optimera Energy is a consortium made up of Falcon Corporation Limited, FHN Gas Limited, and ND Western Midstream Limited (the "Consortium"). The Consortium has been formed in 2022 to play major part in Nigeria's energy transition with particular focus by developing and executing gas distribution.

What is Optimera Energy Consortium?

The Optimera Energy Consortium has been set up to take on this challenge in Nigeria and close the energy gap by developing and executing energy projects utilizing low-carbon resources such as Natural Gas. As environmental stewards, we are strongly committed to strict adherence to our Environment, Social and Governance policies.

Does Sierra Leone have access to electricity?

Approximately 89% of the population in Sierra Leone lacks access to electricity or gas. Firewood and charcoal are commonly used for light and heat, but they are also known to be sources of air and water pollution, as well as respiratory issues.

Why is street lighting important in Sierra Leone?

Street lighting is important in Sierra Leone because it makes the area safer and allows businesses to stay open later. The 20-year-old start-up, Thoronka, also aims to educate people in Sierra Leone about the environmental impacts of energy use, so that they can use their power efficiently and conservatively.

Why does Sierra Leone need a new electricity system?

The electricity infrastructure in Sierra Leone is outdated and needs to be updated, as even those connected to the grid can't rely on the power due to frequent power cuts.

Does Sierra Leone have a high energy demand?

Sierra Leone's energy consumption has risen by 65% since the early 2000s (Awoko, 2017) but the existing energy systems in the country are still underdeveloped and unable to meet the high energy demand.

Although Sierra Leone has various forms of energy potential, including biomass from agricultural wastes, hydro, and solar power, it remains underutilized. Energy consumption is dominated mainly by that generated by fuelwood biomass, accounting for around 80 percent of the energy used. Imported petroleum products, the next most significant ...

So, when he was 17, Thoronka founded Optim Energy, a startup that harnesses the kinetic energy of objects in motion and converts it into emissions-free electricity. The device he developed can be installed ...

The Solution - Solar Microgrids Powering Hospitals & Clinics Across Sierra Leone. In early 2023,



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SEforALL, working closely with the Ministry of Health and Sanitation (MoHS) in Sierra Leone, introduced the Sierra Leone Hospital Electrification Project.. The initiative highlighted the integration of renewable and dependable energy solutions in hospitals to ...

The United States welcomes today's signing of a landmark \$480 million Millennium Challenge Corporation (MCC) grant to the Government of Sierra Leone to boost access to electricity, to foster sustainable economic growth, and to improve the quality of life of its citizens. This grant, coupled with a voluntary contribution of \$14.2 million from the Government ...

Sierra Leone's energy needs are under resourced and the scarcity of a reliable energy supply is one of the key impediments to Sierra Leone's economic and social development. The country's installed power capacity per capita is among the lowest in the world with approximately 105 MW available for a population of over 7 million in 2018 ...

Sierra Leone's energy journey is about more than just power, it is a story of resilience, ambition, and the quest for a brighter future. By harnessing its vast natural ...

Sierra Leone's green energy sector presents vast investment opportunities, from solar and wind energy projects to large hydroelectric facilities and biomass energy.

At the age of 17, while studying at the African Leadership University in Rwanda, Thoronka founded Optim Energy, a start-up that utilizes kinetic energy (the energy objects have when in motion), to produce clean ...

The Renewable Energy Association of Sierra Leone (REASL) is a trade association that is focused on the development of an efficient and thriving renewable energy market in Sierra Leone. REASL was formed in 2016 as a direct response to the Energy Africa Compact, a UK aid initiative that partners with government and donors to accelerate energy ...

During Sierra Leone's lockdown, energy demand skyrocketed as people returned to their family homes, overloading the national grid, adds Thoronka. He hopes that as the country recovers from the ...

The Energising Development Programme Sierra Leone (EnDev) is an energy programme with the objective of increasing access to affordable modern energy services. It is a global initiative in more than 20 countries that GIZ is implementing on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ). Donor countries are ...

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the Ministry of Energy. The Sierra Leone Petroleum Directorate, set up to manage and regulate petroleum



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operations by oil and gas companies, was established in 2011. Source: GlobalShift Ministry of Energy Stronge Tower, 3 & 3A Pademba Road Freetown Sierra Leone Tel: +232 76 362654 / +232 76 369538 Email: info@energy.gov.sl In ...

Power Leone Power Leone, founded in 2018, is Energicity's Sierra Leonean subsidiary Power Leone stands as the cornerstone of Energicity's operations. With solar mini grids established in 30 communities, we bring reliable and sustainable power to over 7,000 customers. Sierra Leone Rural Renewable Energy Project The RREP, supported by the UK's Foreign, Commonwealth, ...

In rural parts of the country, only 6% of people have electricity access, with most turning to solar lanterns and dry-cell batteries. As a result, it's led to the destruction of forests as people chop down trees for firewood, which leaves ...

Sierra Leone Figure 1: Energy profile of Sierra Leone Figure 2: Total energy production, (ktoe) Figure 3: Total energy consumption, (ktoe) Table 1: Sierra Leone's key indicators Source: (World Bank, 2015) Source: (AFREC, 2015) Source: (AFREC, 2015) Energy Consumption and Production In 2013, Sierra Leone had a population of 6.17 million as ...

In a bold and coordinated push to improve energy access across Sierra Leone, multiple diplomatic and strategic initiatives are being spearheaded by key government figures, showcasing the administration's commitment to achieving universal, affordable, and sustainable energy for all. At the forefront of these efforts is Vice President Dr. Mohamed Juldeh Jalloh, ...

DAKAR: The Millennium Challenge Corporation, a U.S. state development fund, has extended a \$480-million five-year grant to Sierra Leone to provide reliable and affordable electricity to 4.6 million people, the fund said. Only about 30 Percent of the West African country's population has access to electricity, dropping to less than 5 Percent of people in rural areas.

Optimera Energy | 257 followers on LinkedIn. Operating across the natural gas value chain from upstream production in the Niger-Delta to downstream distribution. | Optimera Energy LFZE, is ...

Although Sierra Leone is favorably endowed with energy resources, particularly forestry and hydro-power, over the past few years it has experienced severe shortages of . Sierra Leone - Issues and options in the energy sector

FREETOWN, Sierra Leone, 20 September - Sustainable Energy for All (SEforALL) has now extended the Sierra Leone Healthcare Electrification Project to provide solar power electrification of 0.308 Megawatt peak (MWp) to an additional government hospital in Kailahun and 25 Community Health Centres (CHCs) across the country.. Currently, 18 of these CHCs have no ...

ENERGY PROFILE Total Energy Supply (TES) 2016 2021 Non-renewable (TJ) 16 411 17 973 Renewable



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(TJ) 54 431 56 690 Total (TJ) 70 842 74 663 ... Sierra Leone COUNTRY INDICATORS AND SDGS
TOTAL ENERGY SUPPLY (TES) Total energy supply in 2021 Renewable energy supply in 2021 24% 76%
Oil Gas Nuclear Coal + others Renewables

The current state of Sierra Leone's energy sector is in acute need of improvement: 80% of Sierra Leoneans do not have access to electricity [1]. Of those that have access, 17% are connected to the grid and another 2-3% are connected to solar, mini-grid or ...

Right now, only around 28% of people in Sierra Leone have access to electricity, but the country is aiming for 85% renewable energy by 2030. This wind farm will help bring clean energy to more people and support Sierra Leone's ambitious renewable energy goals. It's a huge step forward in the country's energy transition.

Sierra Leone private sector, while Government will provide the framework and the financial guarantee for implementing the framework. The Sierra Leone energy policy and the Agenda for Prosperity (AfP) (i.e. Poverty Reduction Strategic Paper III) highlighted the need for a renewable energy policy which would deal with issues like

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