



As a result, Germany-based solar system integrator and EPC provider Asantys Systems and its long-time partner HOPPECKE Batterien were contracted by Kenya-based PowerGen Renewable Energy and its InfraCo Africa-funded project company Off-Grid Power (SL) Ltd in Sierra Leone to supply 20 containerized solar systems.



The project company, Off-Grid Power (SL) Ltd (OGP) financed, developed, constructed, commissioned, and now owns and operates a portfolio of forty solar hybrid mini-grids serving over 99,000 people across the southern and eastern half of Sierra Leone.



PowerGen, through their Sierra Leone project company Off-Grid Power (SL) Ltd*, has tendered 20 containerized solar systems for implementation in Work Package 2 of the RREP. The German system integrator and EPC Asantys Systems ???

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The project provided around 5 MW of solar mini-grids, fostering social and economic growth, reducing greenhouse gas emissions, and stimulating productive use in mini-grid areas. PowerGen, through their Sierra Leone project company Off-Grid Power (SL) Ltd*, has tendered 20 containerized solar systems for implementation in Work Package 2 of the RREP.



The purpose of this study is to examine the relationship between solar off-grid electrification and socio-economic development of rural Sierra Leone through the lens of the Sustainable Livelihood approach. To this end, the study focuses on the level of household income, education, and fuel choices for cooking as three selected outcome variables.



Solar energy provider PowerGen Renewable Energy is commissioning mini-grids in four communities in Sierra Leone. With a total capacity of 150 kWp, the solar systems were installed in partnership with InfraCo Africa, a finance company of the ???

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Managed by the African Development Bank and ECOWAS, the project spans nineteen African countries, with Sierra Leone set to benefit significantly. The primary objective of the project is to enhance electricity access across the region by promoting solar off-grid solutions and creating an enabling environment for private sector growth.



Market Potential: ~77% of Sierra Leone's citizens lack electricity access. Ministry of Energy (MoE) aims to serve 37% of the population through off-grid RE based minigrids and stand-alone systems by 2030 ??? Sierra Leone's national electrification rate is ~23%, 48.7% in urban and 5.4% in rural areas (2017) ???



Sierra Power (SL) Limited is a leading off-grid solar company committed to providing clean and reliable energy solutions in Sierra Leone. With a focus on sustainability and innovation, Sierra Power aims to revolutionize the energy landscape by delivering affordable and accessible solar power to communities across the nation.

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We offer a comprehensive range of solutions tailored to meet the diverse energy needs of communities across Sierra Leone. From design and installation to operation and maintenance, we are committed to delivering reliable, affordable, and sustainable electricity access through our off-grid solar mini-grid systems.



PowerGen, through their Sierra Leone project company Off-Grid Power (SL) Ltd*, has tendered 20 containerized solar systems for implementation in Work Package 2 of the RREP. The German system integrator and EPC Asantys Systems GmbH was selected to supply the containerized solar power assets.