



Pacific Centre for Renewable Energy and Energy Efficiency

SE4ALL Centre of Excellence to Promote Sustainable Energy Markets, Industries and Innovation

Renewable Energy and Outer Islands Electrification in Kiribati

KIRIBATI SOLAR ENERGY COMPANY LIMITED

PRESENTER MR. TOKITEBWA TAWITA

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BRIEF BACKGROUND



- **KSEC was set up under the rules of the companies' ordinance Cap 10A - 100% SOE "STATE OWN ENTERPRISE"**
- **The Kiribati Solar Energy Company Limited was originally formed as a private, limited liability company on 15 November, 1984 (registered No. 14) under the supports of the Foundation for the People's of the South Pacific (FSP) based in Kiribati.**
- **Following the withdrawal of FSP in 1987, the company was restructured into a Government owned Liability Company with the majority shareholding being held by the Minister of Public Works and Utilities.**

OBJECTIVES



- The overall objective is to address the current socio-economic imbalance between the urban and rural areas by achieving a more equitable distribution of resources to the outer islands.
- Through expanding the use of renewable energy through the application of solar photovoltaic on outer islands and in urban districts.
- To comply with the government policy to provide rural electrification on the outer islands, and in line with KDP 2016 – 2019.

VISION, & MISSION

VISION

- To be the leading company in Kiribati in providing, installing and maintaining high quality, reliable, and sustainable solar energy systems.

MISSION

- To enhance social and economic development throughout Kiribati through the use of solar energy that is affordable, sustainable and environmentally safe.

“The core functions of the Company as set out in its Articles of Association”

- Purchase/import Kiribati requirements on solar energy systems and components; i.e:- Solar Panel, DC Appliances...etc
- Resell the products above to government and to the public
- Design, Install & Maintenance of Solar Energy System
- Assist the government in achieving its energy goals by contributing to the fulfillment of stated government energy and development policy objectives (KDP 2016-2019)



Outer Islands Project with power and energy ratings							
YEAR	Project	Type of system CONFIGURATION	Wp per Solar System	PV Rated Power (Watt)	Number of Solar Module per System	Number of system exists on outer islands	Total Wp Contribution
1992	JICA	SHS	100	100	1	55	5500
		Maneaba	600	100	6	1	600
1994	EDF Expansion	SHS	100	100	1	250	25000
		Maneaba	600	100	6	1	600
2004	EDF8	SHS	100	100	1	1700	170000
		Maneaba	300	100	3	100	30000
2014	EDF10	Solar kit	35	35	1	2010	70350
		Small Business	200	100	2	100	20000
		Maneaba	200	100	2	30	6000
		Teachers System	200	100	2	140	28000
		School Mini Grid	16000	240	69	3	48000
		School Mini Grid	25000	240	105	2	50000
		School Mini Grid	29000	240	123	1	29000
		School Mini Grid	42000	240	180	1	42000
		Poland Mini Grid	16000	240	69	1	16000
		workshop system	200	100	2	18	3600
Ongoing	Taiwan	Solar lighting kit	35	35	1	10000	350000
Total						14413	894650

OTHER RE PROJECTS

In December 2014, the company successfully performs the installation of a 4kW solar power system for the fish center on Butaritari Island...leading to expansion of solar power for fish center to other islands

In May 2015, KSEC secured a subcontract for the installation of the 500kW Solar PV-Grid project funded by MASDAR or UAE. Given 8 Weeks to complete the project was a success through the determination and aptitude of its technical and administrative support team.

TYPICAL SOLAR ENERGY SYSTEM



JICA Solar Home System



EDF8 Maneaba Solar System

TYPICAL SOLAR ENERGY SYSTEM



EDF10 School Mini Grid



EDF10 School Mini Grid

ANY QUESTIONS

THANK YOU!

FURTHER QUERIES:- KSEC CONTACT DETAILS

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