

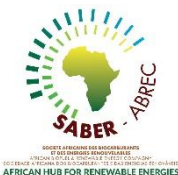


**SOCIÉTÉ AFRICAINE DES BIOCARBURANTS
ET DES ÉNERGIES RENOUVELABLES**
AFRICAN BIOFUEL & RENEWABLE ENERGY COMPANY
SOCIEDADE AFRICANA DOS BIOCARBURANTES E DAS ENERGIAS RENOVÁVEIS

USING THE CDM AND CLIMATE FUNDS TO ATTRACT FINANCE FROM THE CAPITAL MARKET FOR THE AFRICAN ENERGY SECTOR

Bonn, May 16, 2016

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Vision and mission

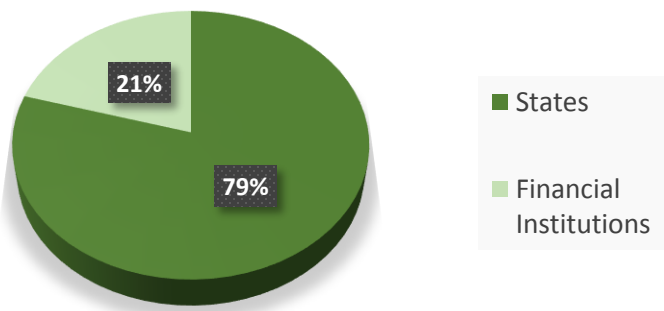
ABREC
An international organisation backed by African states and financial institutions headquartered in Lome (TOGO)
16 states
06 financial institutions

Vision

- Universal access to energy for African population through renewable energies

Mission

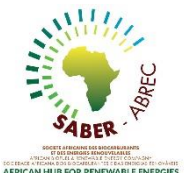
- Fostering of a Green Economy in Africa through the conception, funding and sponsoring of high impact public sector and private sector renewable energy initiatives in Africa
- Funding sponsoring and managing further high impact strategic initiatives that promote the green economy across the African continent.



FINANCIAL INSTITUTIONS

- ECOWAS BANK FOR INVESTMENT AND DEVELOPMENT (EBID)
- INTERNATIONAL ENERGY INSURANCE (IEI) OF NIGERIA
- ECOBANK DEVELOPMENT CORPORATION (EDC)
- FONDS AFRICAIN DE GARANTIE ET DE COOPERATION ECONOMIQUE (FAGACE)
- NEXIM BANK (NIGERIA EXIMBANK)

20,5 % OF SHARES



Selected key milestones

OPERATIONAL ACTIVITIES (2010 – 2015)	
PRODERE	<ul style="list-style-type: none"> 2.15 MW installed 3 million people access to energy Reducing CO2 emissions : 2,500 tonnes/year
PREE	<ul style="list-style-type: none"> Energy savings: 20 GWh ; Reducing CO2 emissions : 70,750 tonnes / year.
PROVES BENIN	<ul style="list-style-type: none"> 105 solar mini grids; 15,000 solar street lights Reducing CO2 emissions : 4,300.8 tonnes / year
13,000 Solar street lights in Togo	<ul style="list-style-type: none"> 02 million people benefit from public lighting Reducing CO2 emissions : 2,900 tons /year
FRAED	<ul style="list-style-type: none"> Grid Connexion 200 MW Reducing CO2 emissions : 187,000 tons /year

Economic model for rural electrification

Solar Power plant sized to accommodate 05 levels of rural services for powers from 50 to 500 kWc:

✓ Water – Electricity – Health – Education - Communication

COUNTRY	NUMBER OF POWER PLANTS	TOTAL INSTALLED POWER (MW)	GENERATED ENERGY (MWH/YEAR)	POPULATION (000)	ESTIMATED PROJECT COSTS (MILLIONS €)	AVOIDED CO2 EMISSIONS (TONS PER YEAR)	COMMENTS
Togo	293	17	10,220	250	137,20	8176	100% solar
Mali	250	16	19,162.5	325	156,22	6132	hybride
Niger	200	9	5,320	155	90,00	1702,4	hybride
GB	39	3,3	1,970	85	32,00	1576	100% solar
Benin	105	4,3	5,376	115	38,11	4300,8	100% solar
TOTAL	887	49,6	42,048.5	930	453,52	21887,2	

https://cdm.unfccc.int/Projects/PriorCDM/notifications/index_html.

Sustainability of the equipments

Managed by Private sector: Built Operate and Develop

The private sector involvement faces to the following milestones :

- ✓ The tenor of the financing (interest rate 7.5% for a the repayment period 7 years including 02 of grace period);
- ✓ The levelized cost of energy in the rural areas is not enough attractive for private sector.

What solutions?

- ✓ Seek assistance of GCF (guarantee and/or facilitate the access to the capital market for better conditions of loans);
- ✓ Direct access to the capital market (equity , loan , green bonds, soft loan, mezzanine).



THANK YOU

