



Workshop de Investimento

Energia Sustentável  
na Guiné-Bissau

Guinea Bissau Sustainable  
Energy Investment Workshop



# Apresentação do Mini Grid Market Opportunity Assessment: (SEforALL)

Presentation of Mini Grid Market Opportunity  
Assessment:

- Bissora Mini-grid
- Bôr PV Plant & Mini-grids of Canchungo & Gabu



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Director of projects

SABER-ABREC

# SABER/ABREC

## WHO ARE WE?

An institution dedicated to the promotion of Renewable Energies and Energy Efficiency in sub-Saharan Africa,



Société Africaine des Biocarburants et des Energies Renouvelables  
African Biofuel & Renewable Energy Company  
Sociedade Africana dos Biocarburantes e das Energias Renováveis

- ✓ Founded in 2009 by an alliance of states and major West African Financial Institutions
- VISION: Universal access to energy for African population through renewable energies

Independent advice to the public and private sectors

## FOUNDING STATES



## FOUNDING INSTITUTIONS



# SABER/ABREC

## CORE SKILLS



### CONCEPTION

- Advice to States and Institutions in the conception of public programs,
- Elaboration of public programs
- Realization of feasibility studies



### DEVELOPPEMENT

- Relationship Management with state authorities
- Management of administrative authorizations
- Validation of the different stages of project development



### MOD

- Elaboration of public tender documents
- Selection of companies
- Follow-up on the execution of works
- Technical reception of installations



### STRUCTURED FINANCE

- Investment advice
- Private equity
- Capital allocation
- Structuring and Mobilization of Debt
- Asset Management

# SABER/ABREC

## SABER/ABREC EXPERTISE



Société Africaine des Biocarburants et des Energies Renouvelables  
African Biofuel & Renewable Energy Company  
Sociedade Africana dos Biocarburantes e das Energias Renováveis

## PROJECT DEVELOPMENT, DELEGATED PROJECT MANAGEMENT, STRUCTURED FINANCE FOR RENEWABLE ENERGY PROJECTS IN SUB-SAHARAN AFRICA

### SABER-ABREC

As a pan-African institution, SABER-ABREC has a leading exposure to decision makers from all over West Africa and beyond. This concerns both government entities and regional funders.

Indeed, the Institution **is in direct contact with its founders** who are also working partners.



- A team of 20 people dedicated to the promotion and realization of renewable energy projects in Africa.
- Current projects in 8 countries, **€ 400 million committed**



# BISSORA MINI-GRID

## Previous Situation



Diesel Power Plant stop working since 2003.

Any energy operator available

Many small diesel generators supplying electricity to users

ORGANIZAÇÃO:



APOIO:





# BISSORA MINI-GRID

## Capacity

- PV plant: 500 kWp
- DG: 110 kVA
- Storage: kWh
- MV grid: 30kV – 1,2 kms
- LV grid: 0,4kV – 5 kms
- 3 H61 – 160kVA



ORGANIZAÇÃO:



APOIO:





# BISSORA MINI-GRID

## Partners & ABREC rôle

- Finances: WAEMU (donation: 3,1 M eur)
- Delegated project mg: ABREC
- Owner: Ministry of energy
- UNIDO
- Completion date: March 18
- Sign-off: May 18



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



ORGANIZAÇÃO:



APOIO:





# BÖR ON-GRID POWER PLANT

## Capacity

- PV plant: 20 MWp
- 16 units of 1250kWp
- 224 DC junction panels
- 32 Inverters 630kW
- 16 transf 1250kVA
- 1 connexion station 30kV
- Optional: 12MW/20MWH batteries with 4 transf 4000 kVA.



ORGANIZAÇÃO:



APOIO:

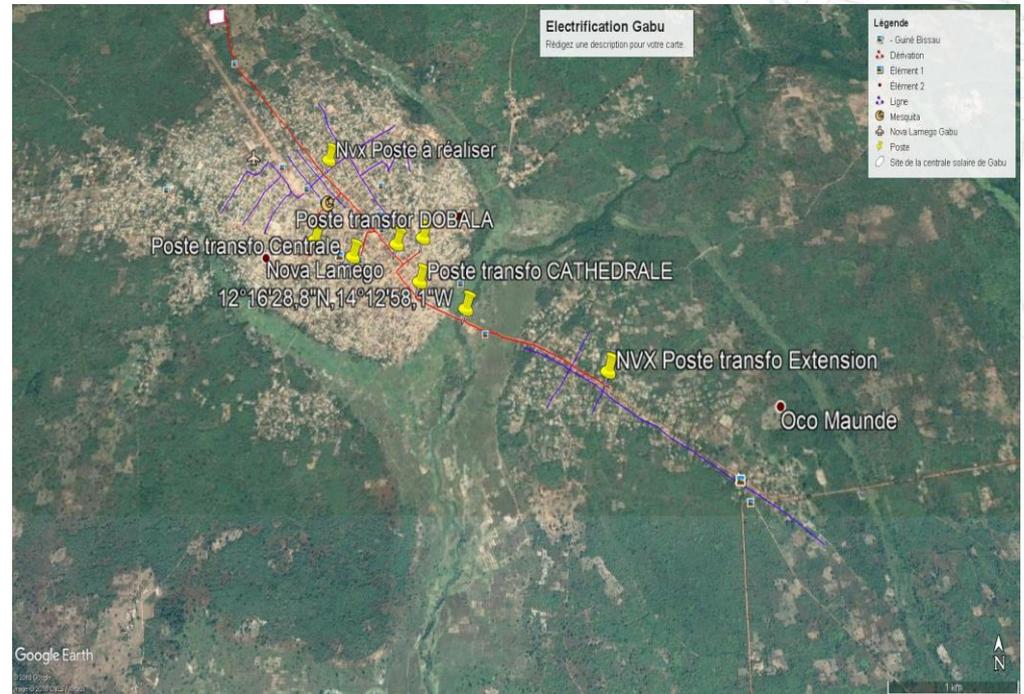




# MINI-GRIDS OF CANCHUNGO & GABU

## Capacity

- PV plant: 1 MWp
- 2DG: 500 kW
- Storage: 6MWH
- Inverters 15 à 25kVA
- 1 transf 1000kVA
- 6 H61- 50 / 160kVA
- 4,7kms MV grid
- 19kms LV grid



ORGANIZAÇÃO:



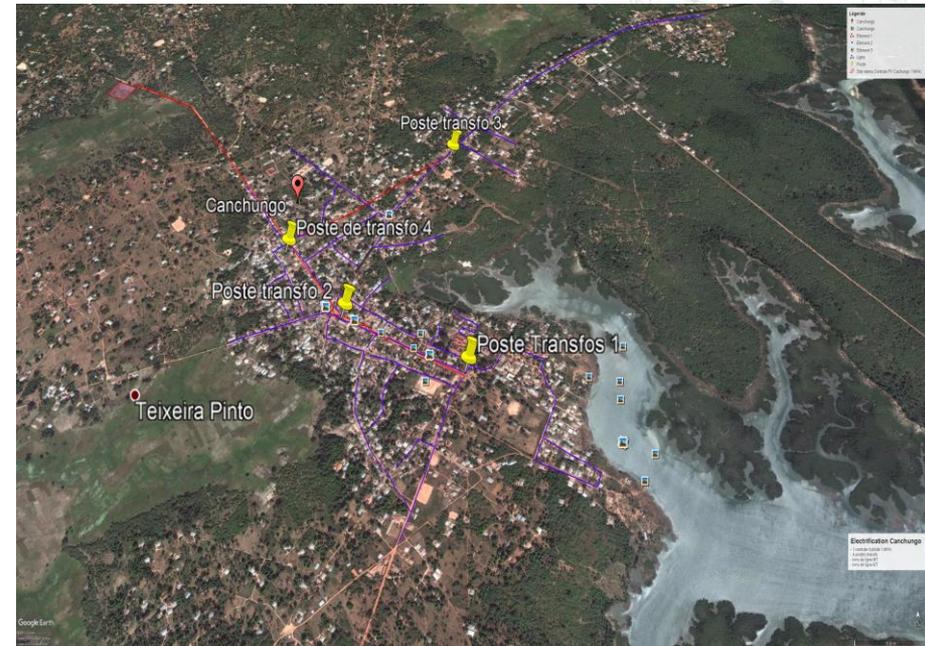
APOIO:



# BÔR PLANT & 2 MINI-GRIDS OF CANCHUNGO & GABU

## Partners & timeline

- Finances: BOAD (41M eur)
- Delegated project mg: ABREC
- Owner: Ministry of energy
- Call for tender (EPC): May – July 18
- Kick-off: Sept 18
- Completion: March 20



ORGANIZAÇÃO:



APOIO:





# Prospects

Tombali	Catió
Bafata	Bafata
Bolama	Bolama
Cachéu	Cacheu
Quinara	Buba
Gabu	Pitche
Oio	Farim
Bolama	Bubaque
Tombali	Quebo
Cacheu	Calequisse
Gabu	Sonaco
Oio	Mansoa
Cacheu	São Domingos
Cacheu	Ingore
Bafata	Cuntuboel



ORGANIZAÇÃO:



APOIO:

