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

Mouhamed DIOP
Director of projects
SABER-ABREC
**WHO ARE WE?**

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

- 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**

![Map of founding states](image)

- Lomé: Head Office
- Offices
- Founding States

**FOUNDING INSTITUTIONS**

![List of founding institutions](image)
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**

**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
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
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
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.
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
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
## Prospects

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