Renováveis na electrificação de Moçambique

Conferência ALER – 26 de Outubro 2017
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Neoen in a few words
Key figures

1,281 MW
Installed and forthcoming capacity

€187 million
Forecast revenue per annum

N°1 independent energy specialist
in France

Worldwide operations
On four continents

€1.5 billion
Already invested

3,000 MW
The goal for 2020
Installed and forthcoming capacity

1,281 MW
Installed and forthcoming capacity

672 MW solar
488 MW wind
106 MW storage
15 MW biomass
Financial elements

- **€84 million**
  Revenue 2016

- **€53.7 million**
  2016 EBITDA

- **€1.5 billion**
  Invested since 2008

- **Another €2 billion**
  to be invested by 2020
What we do
Development

The technical, economical and environmental feasibility of each project is determined during the development stage via surveys of potential, soil and environmental impact. A designated project manager liaises with the parties concerned, including local residents and authorities.

Finance

We finance our projects with a combination of capital and long-term borrowing. Our policy is to involve local financial institutions in our projects. Our own capital increases regularly and constitutes a solid foundation enabling us to make long-term investments.

Construction

As a responsible construction project manager, we are directly involved in the construction work for the power plants we operate. We ensure that each plant is a sustainable asset, with a life span of several decades. As far as possible, we use the services of local businesses.

Operations

We take the utmost care of our power plants and ensure they are always in excellent working order. Our specialists supervise operations and undertake maintenance whenever necessary. In some markets, we also supply electricity.
Our sectors
Our sectors

Solar power
We develop solar photovoltaic plants all over the world and are proud to play a part in the growth of solar power as a source of energy. Having initiated and managed the project, we now operate the most powerful solar park in Europe.

Wind
We are pursuing growth in this field in France and in Australia where we are setting new benchmarks in terms of competitive pricing. We have a number of assets in this sector and a large array of ongoing projects.

Storage
Storage is a vital element in smoothing the intermittence of natural energy sources and in balancing the power supply to grids. We are leading the way in storage development. Recent projects include the largest storage system in the world (in Hornsdale, Australia) developed in partnership with Tesla.

Biomass
We operate a biomass cogeneration plant in France, combining 15 MW of electrical power with 50 MW of heat. The resulting steam is used in industrial processes and helps keep manufacturing costs under control.
Where we operate
International operations
Neoen’s Mozambican experience
A project under development since 2013

138ha land indicated by the local authorities, located next to EDM’s Metoro substation

A licensing at an advanced stage (DUAT obtained, Environmental impact study approved etc.)

Co-investment between EDM and Neoen

Key Technical Parameters
- Capacity: 41 MWDC (30 MWAC of injection)
- Fixed Tilt Structure
- Polycrystalline PV modules
- Yield: 1675 kWh/kWp/year
- Annual production: 68 GWh
- Total investment of approx. USD 51,1 m

Financing process ongoing with AFD/Proparco

FC expected S1 2018 – COD S1 2019
Indicative preliminary design
Some key findings

• Main barriers / difficulties:
  – Political context and uncertainties… how to give comfort to the investors and lenders?
  – New project = new challenges (connection to the grid & grid code, tax regime applicable? applicable law?)
  – Time is money…

• Recommendations for actions:
  – Closing of the first projects
  – Clarification of the applicable laws & tax regime
  – More comfort on the management of the currency risk
  – Continuation of the current EDM’s dynamic/strategy to comfort the lenders on EDM’s health for the coming years
Cyril Perrin
Regional Director – Southern Africa

Av. Julius Nyerere, nº 140, 5º andar, Maputo
+ 258 840 553 729
cyril.perrin@neoen.com
Obrigado