Solar Energy

Expected project CAPEX: 1'791'000 €

Mandating Authority: Quelimane Municipality

Summary
The project will open a way so that electricity being used to light the street lights is channelled to industry.

Location and population
Quelimane Municipality, Mozambique
250'000 inh.

Social and environmental impact
This is a pro-environmental management and it will promote the use of clean energy as well as reduce the use of electric generators. During windy and rainy seasons, electric wires tend to loosen up and are a threat to humans when this occurs alongside pedestrian walk-ways. Having solar LED street lights will not bring this danger to human life, thus promoting human life in line with the 1st P (People) from the 5Ps of the UN 2030 Agenda.

Main stakeholders
1. FUNAE (Fund for National Energy) - authorizes all projects related to energy / 2. EDM (Electricity of Mozambique) - will disconnect old electricity line for the new solar LED Street Lights / 3. Quelimane Municipality (will coordinate and monitor / 4. LUXTELLA (will supply and mount LED solar street lights) / 5. Provincial Directorate of Land, Environment and Rural Development (will monitor aspects related to environmental management).
Project maturity (IFC / World Bank Categories)

**STAGE 1 : Concept Development, Site identification**

- **Number of Lighting points:** 10
- **Mapping of the street lighting system:** NO
- **Current installation:** Wire grids alongside and crossing the streets in Poles
- **Expected energy / expenses savings:** 5000kW will be saved
- **Source of electricity:** Solar and Grid connected

**STAGE 2 : Pre-Feasibility Studies**

- **Pre-feasibility study:** NO

**STAGE 3 : Feasibility Studies**

- **Feasibility study:** NO

**STAGE 4 : Permitting / Financing / Contracts**

- **Contract with municipality:** NO
- **Building permits signed:** NO
- **Environmental impact study:** NO
- ** Identified sources of fundings:**

**STAGE 5 : Engineering / Construction / Commercial Operation**

- **Engineering, Procurement and Construction Contractor**
  - **Operation and Maintenance Contractor**

**Comments**

To be the first Mozambican Municipality walking and working towards climate change adaptation and promoting Peoples’ lives by providing low cost street lights for safety.