**Umuziwabantu LED Street Light Project**

**Expected project CAPEX**: 914'336 €

**Mandating Authority**: Umuziwabantu Local Municipality

**Summary**
Umuziwabantu Local Municipality aims to reduce energy consumption by retrofitting all HPS and other old technology lights to new and more efficient LED technology and make use of Renewable Energy where possible.

**Location and population**
Umuziwabantu Municipality, South Africa
96,556 inh.

**Social and environmental impact**
This project will assist us in reducing energy demand and become a greener city with lower GHG emissions. The project will make the city greener, cleaner and safer for all to use. Poor lighting is making some parts of our community unsafe for road users and pedestrians.

**Main stakeholders**
Umuziwabantu Local Municipality
Project maturity (IFC / World Bank Categories)
STAGE 1 : Concept Development, Site identification
STAGE 2 : Pre-Feasibility Studies
STAGE 3 : Feasibility Studies
STAGE 4 : Permitting / Financing / Contracts
STAGE 5 : Engineering/Construction/Commercial Operation

STAGE 1 : Concept Development, Site identification

Number of Lighting points :
6 Points, with 3000 lights

Mapping of the street lighting system :
Yes, mapping of the street lights in town

Current installation

Expected energy / expenses savings
1227.6kWh

Source of electricity :
Currently using grid connection to power all the street lights

STAGE 2 : Pre-Feasibility Studies

Pre-feasibility study

We are currently in the process of procuring services of a qualified contractor that will be able to do this pre-feasibility study. We have only done an estimated pre-feasibility desktop study which could be made available upon request.

STAGE 3 : Feasibility Studies

Feasibility study

We are currently in the process of procuring services of a qualified contractor that will be able to do this feasibility study. We have only done an estimated pre-feasibility desktop study which could be made available upon request.

STAGE 4 : Permitting / Financing / Contracts

Contract with municipality
NO

Building permits signed
N/A

Environmental impact study
Studies will be conducted by appointed contractor, if deemed necessary.

Identified sources of fundings
Will be determined after baseline studies are complete.

STAGE 5 : Engineering/Construction/Commercial Operation

Engineering, Procurement and Construction Contractor
EPC will be appointed through an open tender process.

Operation and Maintenance Contractor
O&M will be appointed through an open tender process (Private)

Comments