**Overstrand Municipal LED Street Lighting Project**

**Expected project CAPEX**: 897'000 €

**Mandating Authority**: Overstrand Municipality

**Summary**
Replacement of 5,258 inefficient Mercury Vapour and High Pressure Sodium street lights with energy saving, efficient LED street lights. The Overstrand Municipality started the process of replacing street lights but lacks the financial resources to complete the project.

**Location and population**
Overstrand Municipality, South Africa

**Social and environmental impact**
The replacement of the old technology, low efficient street lights with energy saving efficient LED street lights will lead to energy savings and cost savings (energy and maintenance cost).
The LED street lights provide more illumination on streets, sidewalks and pedestrian areas for less energy, thereby also providing a safer environment for citizens.

**Main stakeholders**
Overstrand Municipality, the local Government structure responsible for street lighting in the area.
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: 5258

Mapping of the street lighting system: Yes

Current installation

Expected energy / expenses savings
875,000,000 kWh per annum

Source of electricity: Grid connected energy saving LED

**STAGE 2: Pre-Feasibility Studies**

Pre-feasibility study
Yes

**STAGE 3: Feasibility Studies**

Feasibility study
Yes

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

Contract with municipality
Yes

Building permits signed
Not required (building control authority)

Environmental impact study
Not required

Identified sources of fundings
None

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

Engineering, Procurement and Construction Contractor
TBD

Operation and Maintenance Contractor
Overstrand Municipality. We operate and maintain all the street light installations in our area.

Comments
We have started the project of converting to LED street lights, but we do not have the financial resources to continue at a reasonable pace. If we have to rely only on our own funding sources to complete the project, it will take many years (more than 30) to complete the project.