Energy Retrofitting of Municipal Buildings

Expected project CAPEX: €8’958’000
Mandating Authority: KwaDukuza Municipality

Summary

The KwaDukuza Municipality has committed itself to the path of Low Emission Development (LED) with the aim of meeting the development needs of the municipality while minimising its contribution to climate change, and helping it prepare for its impacts. A key component of this is the creation of an enabling and educational framework to assist players in the urban environment in the development and management of ‘green’ buildings. The project aim is to retrofit all municipal buildings including 30 community halls and municipal libraries through the installation of new systems to significantly increase the building efficiency. This project will focus on energy conservation but also promote environmentally sustainable management practices within the workplace and the community at large.

Location and population
KwaDukuza, South Africa
231’189 inh.

Social and environmental impact
Social: Protecting occupants’ health and improving employee productivity / Environmental: Reduce waste pollution, reduced energy consumption, energy savings, and water savings, improve indoor environmental quality.

Main stakeholders
KwaDukuza Municipality – Coordination/ Implementing Agency / Economic Development & Planning / Environmental Management / Economic Development & Planning – GIS / Electrical Engineering Services / Civil Engineering Services / Community of KwaDukuza / Communities – beneficiaries / Other relevant sector departments such as the Department of Energy
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**STAGE 1: Concept Development, Site identification**

**Target population**

**Surfaces**

30 community halls and 8 municipal libraries

**Climate**

Humid Subtropical

**STAGE 2: Pre-Feasibility Studies**

**Pre-feasibility study:** No

**STAGE 3: Feasibility Studies**

**Feasibility study:** No

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

**Land concession signed:** Yes

**Environmental impact study:** No

**Identified sources of fundings**

No

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

**Engineering, Procurement and Construction Contractor:** tbd

**Operation and Maintenance Contractor:** tbd

**Comments**