

## Feasibility Study for an Advanced Integrated Solid Waste Management System for Mangaung Local Municipality

### Project Description

Mangaung Local Municipality (MLM) is located in the Central Free State Province of South Africa and has about 650,000 inhabitants. MLM is one of the host cities of the FIFA World Championship 2010.

The main objective of this project is to achieve compliance with South African waste reduction targets and environmental legislation by applying innovative mechanical and biological treatment (MBT) technologies and / or an advanced disposal concept in MLM. The key tasks are as follows:

- Updating of existing Integrated Waste Management Plan with regard to modern and innovative SWM technologies
- Detailed site investigations for the new sanitary landfill
- Conceptual design of the landfill
- Assessment of the framework for preparation of CDM projects
- Costs estimates, expected revenues, and financial analyses
- Potential environmental and social impact assessment

### Results

A modern and innovative concept for solid waste treatment and disposal will be developed which shall be a model for other South African municipalities.

### Our Services

- Status-quo analysis of existing SWM system
- Investigation of technical options and variants for solid waste treatment
- Screening of options for public and private operation
- Assessment of potential CDM projects for SWM measures
- Assessment of environmental and socio-economic aspects.
- Conducting a Feasibility Workshop with all stakeholders of SWM in the region

### Contact

Alexandra Selz  
alexandra.selz@iu-info.de

**Sector:**

**Solid Waste Management**

**Countries:**

South Africa

**Location:**

Mangaung Local Municipality



**Client:**

Mangaung Local Municipality

**Financing:**

KfW Entwicklungsbank

**Duration:**

02/2010 – 06/2011