

Advanced Solid Waste Management for the City of Cape Town

Project Description

The City of Cape Town is the second-most populous city in South Africa (about 3 million inhabitants) and Africa's most popular tourist destination.

The Consulting Consortium IU – ERM – PDNA, with IU as Lead Partner, has been contracted to consult the city government in modernising its SWM system, focussing on the assessment and implementation of modern and innovative waste treatment systems. The emphasis of the project lies on material and energy recovery, in order to implement South Africa's "zero-waste-strategy" and to save rare landfill volume.

By implementing the project, Cape Town will become a model for other South African municipalities in terms of modern waste treatment technologies.

Results

- Modern and innovative waste treatment technologies will be introduced.
- Material and/ or energy recovery will be fostered.
- Landfill volume needed for final disposal will be reduced considerably.
- Climatic and environmental impacts of SWM will be reduced significantly.
- SWM services will be strengthened.

Our Services

- Status-quo analysis of the current SWM situation.
- Analysis of options for modern and innovative waste treatment.
- Assessment of potential CDM measures.
- Design of preferred solution and assessment of its feasibility.
- Stakeholder information and involvement, in order to establish the necessary acceptance for the new SWM system.

Contact

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Sector:

Solid Waste Management

Countries:

South Africa

Location:

City of Cape Town



Client:

City of Cape Town

Partners:

ERM GmbH; PDNA (Pty) Ltd

Financing:

KfW Entwicklungsbank

Duration:

07/2011 – 12/2012