Waste Water Treatment Project

Expected project CAPEX: 22’516’000 €
Mandating Authority: Drakenstein Municipality
Project Type: Waste water treatment

Summary
This project aims to generate methane gas to generate electricity through Mesophylic anaerobic digestion.

Location and population
Paarl, South Africa
160’000 inh.

Social and environmental impact
Electricity generation that would result in a significant saving in energy costs. This energy could be nearly enough to run the sludge treatment facility. The gas could then be stored to run only on peak times.

Main stakeholders
Aurecon;
Drakenstein Municipality;
CVW
**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

**Expected capacity**

N/A

**Land identified**

Yes

**Site access:**

- ✔ Adequate road
- ■ Rail access
- ■ Port facilities

**Technology:** N/A

**Waste water stream data**

N/A

### STAGE 2: Pre-Feasibility Studies

**Pre-feasibility study:** Yes

### STAGE 3: Feasibility Studies

**Feasibility study:** Yes

### STAGE 4: Permitting / Financing / Contracts

- Land concession signed
  - N/A

- Building permits signed
  - N/A

- Environmental impact study
  - N/A

- Identified sources of fundings
  - N/A

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

- Engineering, Procurement and Construction Contractor
  - N/A

- Operation and Maintenance Contractor
  - N/A

**Comments**

All Projects are in the Feasibility Stage