Waste Water Treatment Project

Expected project CAPEX: 7'630'880 €

Mandating Authority: Beaufort West Municipality

Project Type: Waste water treatment

Summary
Generate methane gas to generate electricity through Mesophylic anaerobic digestion. This has the added advantage of electricity generation, which would result in a significant savings in energy cost. This could be nearly enough to run the sludge treatment facility. The gas could be stored to run only on peak times.

Location and population
Beaufort West, South Africa
34,065 inh

Social and environmental impact
Positive on the environment;
Enables Municipality to create jobs

Main stakeholders
Aurecon;
Beaufort West Municipality;
CVW Mechanical & Electrical
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**STAGE 1: Concept Development, Site identification**

- **Expected capacity**: N/A
- **Land identified**: N/A
- **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**: N/A

**STAGE 3: Feasibility Studies**

- **Feasibility study**: N/A

**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**: N/A