

Project Developer
Talbot

Talbot is a privately owned, pan-African company specialising in anaerobic digestion, water and wastewater treatment solutions.

TALBOT
The Art of Water 

Total Project Budget
EUR 364 295

EEP Africa Financing
EUR 239 524

Type
Feasibility study

Project Code
SA14201



Sector
Biogas
Waste to Energy

Location
South Africa

WASTEWATER-TO-ENERGY PROJECT

This project is a feasibility study that aims to bring stand-alone, off-grid wastewater-to-energy plants to financial close at two sites of a fast-moving consumer goods (FMCG) manufacturer. The host company will supply the wastewater and be the off-taker under a build-own-operate-transfer (BOOT) model. The combination of proposed technologies (anaerobic digestion, membrane bioreactor and reverse osmosis) is highly innovative in the FMCG sector and offers the opportunity to generate biogas energy and recover water. With EEP Africa financing, Talbot will conduct a bankable feasibility study and development process to reach financial close for two wastewater treatment and energy generation plants.



Outcome and Impact

The project is expected to lead the way for energy and water recovery in the fast-moving consumer goods (FMCG) sector in Africa. Once implemented, the two plants will add 3.3 MW renewable energy generation capacity, resulting in 4,186 tonnes in avoided CO₂e emissions and over 850 million litres of recovered water per year. During construction and implementation, the full project will also have a substantial impact in terms of job creation. The completed project will strengthen the reliability and security of water and energy supply at the host company's facilities.