



Greencycle Systems

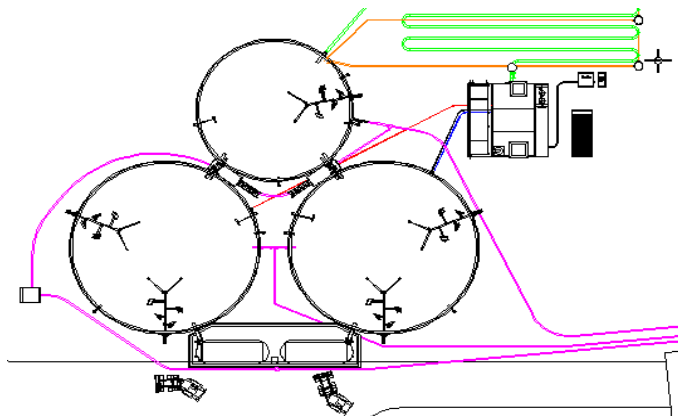
Anaerobic Digestion Solutions

Greencycle Systems Ltd specialise in Anaerobic Digestion project execution. As facilitators at the start of projects to ensure financing and cost effective procurement to optimizing outputs and return on capital from the operating plant. EA, CDM and ABPR compliance.

- Feasibility Studies
- Project Management
- Project Engineering
- CDM Coordination
- EA & ABPR Compliance
- Pasteurisation Plant
- SCADA systems
- Efficiency Optimisation



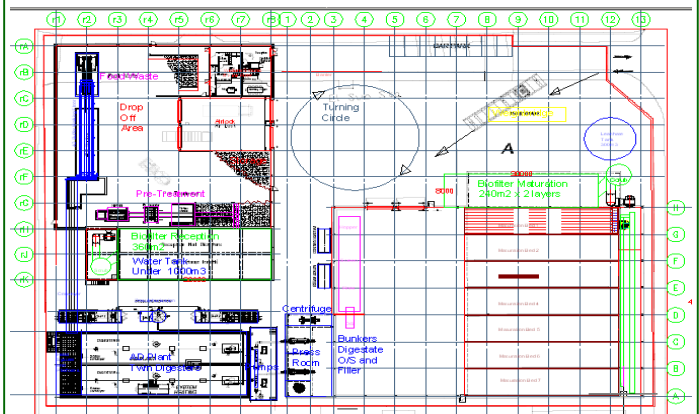
On-Farm Anaerobic Digestion Plants



Procurement to Project Execution:

- 35kTpa 1.5MW Farm AD plant
- 3 Vendor procurement analysis
- Bank lending due diligence
- Financial planning
- Project management and CDM

Combined AD and Maturation Plant



Industrial site location design phase

- 32kTpa Food Waste input
- De-packaging and sorting
- Twin Dry AD plants and CHP
- Optimised maturation PAS110
- Air/odour management design

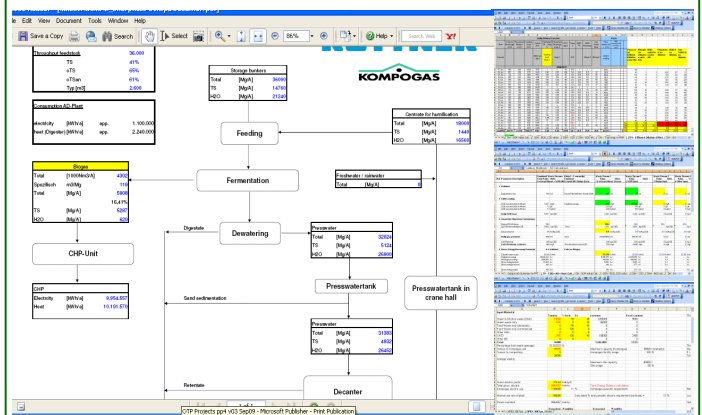
Liquid Anaerobic Digestion Plant



Commissioning Phase and Startup:

- Up to 125m³/h throughput
- 400m³/h Gas for steam boilers
- Water in process re-use
- Heat recovery
- Scada integration to ETP

Anaerobic Digestion Feasibility Studies



Project Scope and Analysis:

- 36kTpa 1.2MW Solid AD Study
- 300,000m³pa Liquid AD Study
- Mass / Energy Balances
- Planning drawings
- CAPEX, OPEX, Ops. models

Front-end Process & Control Systems



Project scope included:

- Project management
- Tollemache shredder
- Process design and sourcing
- Depackaging and sorting
- SCADA system integration

Back-end Sorting & Pasteurisation



Industrial Scale Project including:

- Sorting plant optioneering
- Pasteuriser, boiler sourcing
- Integrated GA layout design
- Hydraulic & mechanical design
- Integrated SCADA control

