

COGENERATION PLANT

Project Overview:

The design is for a single generator power station utilising a Jenbacher engine powered by methane gas produced from the Waste Water Treatment Plant. The generator module is designed to run in parallel with the Energex system, however when required, the module can be operated in island mode to supply essential loads at the Waste Water Treatment Plant.



LANDFILL MANAGEMENT SERVICES

Details:

The main functions of the Generator Module PLC are:

- Starting and stopping of the generator
- Generator kW load control set-point
- Fuel gas monitoring
- Alarm annunciation
- Control and sequencing of generator module ancillaries:
 - Radiator fans
 - Module ventilation fans
 - Gas delivery blower
 - Gas conditioning system
 - Fire protection system
- Control of generator module auxiliaries:
 - Condensate knockout vessel pump

