Bioenergy Consulting

AGAMA Energy's Bioenergy division provides consulting services in the areas energy from organic waste (residential developments, commercial, industrial and agricultural) utilising biogas digestion (wet and dry) or gasification technologies and systems.

Specific services include technical advise & due diligence, digester design & implementation monitoring, feasibility studies, techno-economic analysis and business case, digestate end-use and management guidance development for bioenergy projects.

Projects

Examples of projects completed in the last five years include:

- Appointed by PD Naidoo & Associates (and funded by KfW (German Development Bank)) to contribute as local technical energy-from-waste expert for a feasibility for advanced waste management and beneficiation for the City of Cape Town (2012)
- Funded by EEP-S&EA to conduct a pre-feasibility to install a full-scale demonstration biogas and water treatment plant at Goodwood prison (2012)
- Appointed, as part of a team, by Jeffares and Green to conduct a Section 78(3) Assessment for Alternate Service Delivery contributing to the technical component of energy from Municipal Solid Waste (2010)
- Appointed by South African Cities Network to develop a toolkit for municipalities for assessing energy from waste potential (2009)
- Appointed by Jabenzi to contribute to a South African Forestry Company Ltd study on the utilisation of and energy production from woody waste produced at their sawmills (2009)
- Appointed by Working for Water programme to conduct a study on biomass to energy options for harvested alien woody waste (2009)
- Feasibility study for biogas to energy systems at pig farms, Premier Pork Producers (2008)
- Implementation training for the Fiji National Biogas Programme for Dept of Energy, Government of Fiji (2008)
- Feasibility assessment and design of the Fiji National Biogas Programme for Dept of Energy, Government of Fiji (2007)
- Appointed by the Dutch Government to conduct a feasibility study for a national rural household biogas programme for South Africa (2007)
- Biofuels research for the City of Cape Town: integration of technologies with a view to implementation of pilot projects leading to full scale, including Biogas Energy-from-Waste, Biodiesel & Bioethanol Gelfuel (2007)
- Appointed to conduct a prefeasibility study for the Department of Science and Technology to establish a framework for assessing energy from waste opportunities for six municipalities and present the opportunities in terms of a techno-economic analysis with case studies (2006)

Technical team

- Mr Greg Austin, Pr Eng (MSc Eng), Director;
- Mr Mike Munnik, Pr Eng (BSc Eng, MBA), Director; and
- Mr Alastair Gets, Pr Eng (BSc Eng), CEM, Senior Sustainability Engineer
- The team is supported by Ms Ann-Mari Malan (Administrative and Accounts Manager) and Ms Faeeda Kafaar (Receptionist).

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