efficiency through innovation
Developed and Manufactured in South Africa

2007 - 2008
Bio-gas power generation plants

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Bio-gas power generation plants

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Peaking power generation plant

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Peaking power generation

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Peaking power generation plant
Waste Water Bio-Digesters and Power Generation Plants

Cape Advanced Engineering (Pty) Ltd

IDC SABIA CONFERENCE 2015
6 March 2015
Waste Water Bio-Digester Plants
Waste Water Bio-Digester Plants
Waste Water Bio-Digester Plants
Dairy Bio-Gas Project 2013-2014
cattle barns with manure scrapers
Dairy bio-gas plant design

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South African hybrid plug-flow
The bio-gas & fertiliser plant

- Effluent treatment – environmental compliance
- Reduced Green House Gas Emissions
- Power generation – self-sufficient
- Bio-fertiliser
The bio-gas & fertiliser plant
The bio-gas plant heating
The bio-gas plant gas systems

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Fri 17 Oct 6 pm to Mon 20 Oct 4 pm – 1 generator running
NB: min. set to 20 kW, peak hourly demand = 406 kW (briefly 455 kW)
bio-gas plant electrical systems

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bio-fertiliser – solid & liquid