Midlands Biogas Project
Path to a Sustainable Biogas facility
Midlands Biogas Project

1. How did we get here

2. How we chose our technology — the ... IBRTainer

3. Make it Sustainable?
1. How did we get here

- Primary interest in dairy and intensive farming
- 2007 Extensive research to establish suitable, available and adaptable Anaerobic digestion technologies
- Analysis of 5 suitable technologies primarily HRT / footprint /scalability /high level technology
- Visits to Germany, France, Italy, USA, Australia
- Collation of the designs and adaptability for the African environment – Focus on Micronisation
- 2010 We engaged with the EEP to attempt Bankability of a green field project – the IBRTainer
1. How we chose our technology – the **IBRTainer**

- 500m³/d - gas
- 5-7 days HRT
- 65+% CH4
- 2000kg/day DS
- VS > 50% red.

- 600k USD
- No Agents
- No History
1. How we did it?
1. Make it Sustainable?
1. Make it Sustainable?

- Choose your site carefully to....
- Maximise your revenue
  - Naked flame return first
  - Go for Electrical power last
  - Analyse and process your fertiliser for maximum return
  - Liquid and Fibre
  - Ensure you have stable off take agreements
  - Ensure you have multiple resource options
  - Build to expand
Lowest Cost per kW Capex
Smallest footprint
Scalability to 1MW
Diverse substrate ability

Solar thermal integrated
1. Make it Sustainable!!

• Thank you