

Case Uganda

Scherjon Dairy Equipment exploits a medium scale cheese factory and is faced with a shortage of electrical power.

This problem became a challenge....



- **Can we implement the fermentor knowledge and experience in Uganda?**
- **Can de-centralised medium scale power units feed-in to the national grid?**
- **Is there enough non food biomass available?**

- **Strategy:**

High ambition – step by step approach

1. **Design, finance, build and operate a full scale pilot unit .**
 2. **Expand as a supplier of bio gas power units**
- or**

Expand as an operator of local small scale power plants

Case Uganda

- **Approach**

**A strong consortium of two Dutch partners
and one Ugandan partner**

Financial support from Dutch export funds

**Feasibility study in own hands + external
consultant**

Biomass options:

**Waste: banana peels, fish industry waste,
slaughterhouse waste.**

Crops: maize, sorghum



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pilot: 1 digester, 1 MWe, biomass throughput 25.000 ton p.a.



- Investment approx.: E 2 million
- Annual turnover:
7 million Kwh a E 0.10 = E 700.000
Input and operation max. E 500.000
ROI = 10%
- Local benefits:

Reliable and flexible electricity supply;
Use of waste;
Incentive for agriculture
Local investments, local labour

Case Uganda

Flexible technology
Based on local biomass
Based on proven technology
Sustainable and green
Large units (5 Mw) or small units (50 kW)

