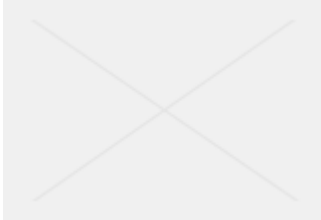


## **Mandulis Energy**

[www.mandulisenergy.com](http://www.mandulisenergy.com)



Based in: **United Kingdom**

### **Type of Organization**

Small business

### **Operating In**

Europe, West Africa, Central Africa, East Africa

### **Countries of Operation**

Uganda, Rwanda, Cote D'Ivoire, United Kingdom

### **Types of Work**

- Directly to end Users
- Project Development
- Planning Energy Programs
- Manage Energy Programs
- Integrate Install or Maintain Energy Systems
- Analytical Services
- Business Consulting

### **Energy Products or Services Offered**

- Solar PV Thermal small less than 2mw
- Mini-Micro Grids
- Combined Heat and Power CHP
- Energy Storage
- Biogas or other Biomass
- Waste to Energy
- Solar Biomass Hybrid

## Company Profile

- **Years in Business** 2
- **Full Time Employers** 10
- **Woman Leadership** Yes
- **Active Financing Round** Yes

## Funding needs over the next 12-24 months

- Project equity US\$ 25.000.000
- Concessional debt (**for project finance**) US\$ 90.000.000
- Project development grant (**e.g for feasibility study, piloting etc**) US\$ 5.000.000
- Capital grant or subsidy US\$ 1.000.000
- Company equity US\$ 20.000.000
- Company debt US\$ 4.000.000

## Further details about funding needs

Through our SPV Earth Energy, we are developing a 20MW biogas power project to feed the grid in Gulu Uganda. Target Feed-in tariff of \$0.115 per kWh over 20 years. Development permit has been issued, Lahmeyer International GmbH is undertaking prefeasibility studies, with funding from UGANDA Energy Credit Capitalisation Company (UECCC ) and KfW. We are looking to identify investors for current USD \$5M project development phase. Total project investment value is \$130M. Divided as: \$80M for 20MWe Power Station \$50M for 30,000 acre Feedstock Security Agro-Forestry Project. Project equity IRR is 15%. Project Debt to Equity Ratio is 70:30

## Involved in Mini-Grids

Yes

## Role in relation to mini-/micro-grids

- Ownership
- Investor
- Project Development
- Consulting Human Resources
- Design or Engineering Systems
- Procurement or Import of Materials
- Construction Installation or Commissioning
- Operation and Maintenance

## Structure of ownership used in commercial mini-/micro-grid operation

- Holding Company
- Development Company

- Project Ownership

### **Mini-grids: Projected Funding Needs**

- Project equity US\$ 5.000.000
- Concessional debt (**for project finance**) US\$ 17.000.000
- Project development grant (**e.g for feasibility study, piloting etc**) US\$ 1.000.000
- Capital grant or subsidy US\$ 1.000.000

### **Generation technologies implemented in mini-grids**

- Solar PV lanterns
- Biomass or Biogas