Mandulis Energy

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