



SEED Initiative

supporting entrepreneurs for sustainable development

Founding Partners



LOW CARBON WINNER 2013

Awamu Biomass Energy Ltd. produces and distributes micro-gasifier improved cookstoves that use renewable energy from readily available dry organic waste. The enterprise is also increasing agricultural profitability and sustainability through environmentally responsible production of fuel for the stoves.



Awamu Biomass Energy Ltd, Uganda

BUSINESS MODEL

Awamu Biomass Energy Ltd. designs, manufactures and sells highly efficient cookstoves that turn dry biomass fuel into charcoal through pyrolysis technology. The innovative cookstoves consume less fuel, reduce deforestation and make use of agricultural biomass, which improves waste management in the area.


The enterprise sensitises community members to the impact of climate change. Through training it encourages customers to use biomass instead of charcoal for cooking, which reduces indoor air pollution and carbon monoxide emissions.


ENTERPRISE FAST FACTS

Location	Kampala
Year founded	2012
Sector	Energy / renewables
Product/Service	Micro-gasifier stoves

CONTACT

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Social impacts:

- Improving the health of community members by reducing smoke from cooking.
- Providing women with new or alternative sources of income and reducing the time spent collecting firewood and cooking.
- Educating rural communities on climate change, technological processes and income generation.

Environmental impacts:

- Improving management of agricultural waste and land use.
- Reducing CO₂ emissions through the innovative technology used in the stoves.
- Promoting tree planting and sustainable resource management in the region.

Economic impacts:

- Improving livelihoods, as community members spend less money on fuel and fertilisers.
- Contributing to business development in rural areas by organising the fuel supply chains.
- Providing business management skills to staff and promoting entrepreneurship.

” Gasifier stoves cook faster, save firewood, produce no smoke and make charcoal that can later be used in the fields.

Scaling up activities:

- Increase production capacity to 50 stoves a day and establish additional manufacturing sites that will create up to 25 jobs in manufacturing, sales and monitoring for women and young people.
- Reduce the total cost of a stove to under USD 10 through subsidies on materials and transport.
- Organise additional monitoring and support teams for rural areas to provide assistance and training on using the stoves and producing biomass fuel.
- Manufacture institutional gasifier stoves for small and medium-size enterprises.



Partnership

- **Centre for Research in Energy and Energy Conservation (CREEC)** provides the enterprise with technical support on testing and improving the stoves.
- **Biomass Energy Efficient Technologies Association (BEETA)** promotes the use of improved stoves and other advanced biomass energy technologies.
- **The Giving Hope Foundation (GHF)** creates awareness about the improved cookstoves and shares working space for the training sessions.



Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

The 2013 SEED Low Carbon Awards are supported by the International Climate Initiative (ICI) of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU).

About the SEED Initiative

The SEED Initiative identifies and supports promising small scale social and environmental entrepreneurs around the globe, entrepreneurs who while working towards a greener economy also tackle poverty, marginalisation and social exclusion. SEED provides these entrepreneurs with know-how and networks, taking the lessons learnt at local level up to decision-makers to promote evidence-based policy making. For more information please write to info@seedinit.org or visit:

www.seedinit.org

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