



AfricaGreenEnergy Technologies

(www.africagreenenergy.co.za)

AfricaGreenEnergy Technologies is a private BEE company based in Cape Town, South Africa specializing in the development, sales and realisation of biogas as well as other forms of renewable energy installations.

AfricaGreenEnergy (AGE) Technologies has been constructing biogas clusters to provide energy to households in impoverished regions in South Africa (Western and Eastern Cape). We have run some pilot projects through funding from the Department of Energy in South Africa and the results are very positive. There are many areas throughout South Africa where people have no access to electricity, heat and cooking gas. In our pilots beneficiaries have replaced their source of energy (paraffin, wood and coal) with biogas as a safer, economically viable and environmentally friendly source of energy.

Biogas is nothing new, it has been around for thousands of years. To build biogas digesters made out of certain fabrics has also been done. However, we have developed a system we believe is unique to South Africa and perhaps even Africa, whereby we build digesters in rural settlements, close to disenfranchised communities (**step 1**). The community uses its organic waste, manure to fill the digester (**step 2**). The biogas (which is created through a chemical process) from the digesters will then be carried by means of the **BIOBAG** to their homes in the rural settlements (**step 3**). In their homes (walking distance) people connect their biobag to a stove (hotplate), heater and lamp (**step 4**).

AfricaGreenEnergy Technologies have now been able to develop and locally manufacture a lightweight BIOBAG (see website) which is used by beneficiaries to carry the biogas from the digester to their homes. The indirect applications are endless, but we have direct applicators in the form of biogas lamps, heaters and stoves (see website under applicators). We are looking to also locally produce the appliances (hotplate/lamps etc), these are currently imported. They will need to be adapted to fit the Biobag and be able to work on Biogas.

We believe we have a great concept and are looking for donors and partners to implement and expand this project throughout South Africa as well as other African countries.

South Africa has only now started with solar and wind energy and we believe **AfricaGreenEnergy Technologies** is at the forefront with its Portable Biogas System (digesters/biobag/appliances) which in essence can benefit many, many households.

More information and/or contact details can be found on www.africagreenenergy.co.za

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