Green Heat

Green Heat
Slurry Separation

Green **Energy & Waste** Innovations

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In Uganda, 50% of biogas digesters are abandoned within a year because owners cannot collect the water needed keep the system going*. Our proprietary Slurry Separation Technology separates water from the slurry, recycles it back into the system, and reduces freshwater inputs needed by 80%. Moreover, the slurry can be repurposed as dried, saleable fertilizer.

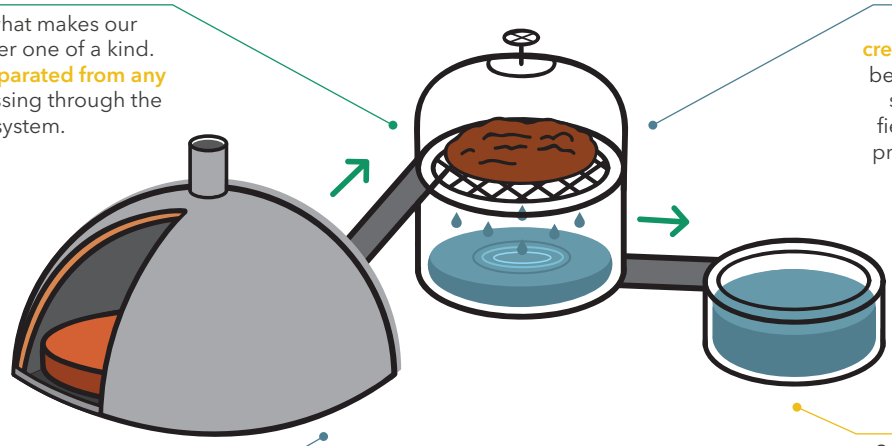
SLURRY SEPARATION TECHNOLOGY

Slurry Separation

This is what makes our biodigester one of a kind. **Slurry is separated from any liquids** passing through the system.

Dried Slurry

With SST, the slurry dries, **creating solid fertilizer** than can be packaged, transported and sold, or applied directly to fields. Our fertilizer has been proven to boost crop yield up to 270%.



Recycled Water

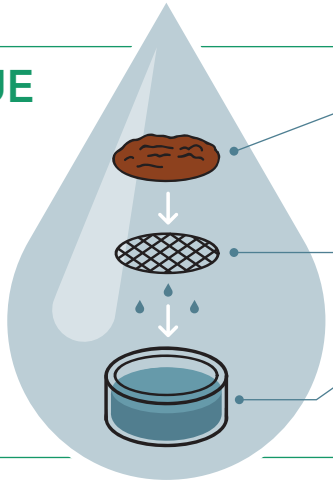
Separated liquids return to the system, being mixed with wastes entering the digester. This recycling of water **reduces demand for water by 80%** and nearly eliminates the need for constant collection of water.

Custom Solutions

SST or **Slurry Separation is an add-on feature**. Therefore, it can also be integrated into traditional pre-existing digesters or available with new biodigesters built by Green Heat.

Our ADDED VALUE

- **Water Independence.** Water access is no longer an issue. The innovation recycles any liquids in the system and minimizes water use - No longer do you need to keep your biodigester working with constant collection of freshwater.
- **Manageable Slurry.** With traditional digesters you get WET slurry. With SST in your digester, you get dried fertilizer.
- **A Solution That Fits Your Needs.** Our team will build a personalized system that fits your need and capabilities. SST is available with new digesters or integrated into existing digesters.



*** BIOFUEL FACT**

Conventional digesters require a kilogram of water to be mixed with each kilogram of waste. For the average digester, this equates to women and children fetching more than 80 litres of freshwater a day for the system to be maintained. **Green Heat's SST equipped digester recycles liquids already in the system AND it can be feed with wastewater, rainwater and even urine.**

Design by Double-0 Marketing