In Uganda, 50% of biogas digesters are abandoned within a year because owners cannot collect the water needed to 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 fed with wastewater, rainwater and even urine.