

Project Developer
The Waste Transformers

The Waste Transformers is a Dutch company that develops containerised anaerobic digesters to enable businesses and communities to transform their own food waste into green energy and organic fertiliser on-site.



ENERGY AND WATER FOR SUSTAINABLE AND CIRCULAR FOOD SYSTEMS



This project will demonstrate an innovative food waste-to-energy solution for powering water pumps and food processing in rural Uganda. The Waste Transformers' small-scale, containerised anaerobic biodigester will convert agricultural and fish waste into clean energy at a local fishery. The biogas produced will power pumps to transport water from local sources to fish farming ponds and then pump the wastewater from the ponds to irrigation systems for smallholder farmers. The digester will also generate heat for fish processing and produce organic fertiliser to increase crop yield and long-term soil health. EEP Africa financing will enable testing and validation of the system and open the path for a commercial roll-out.

Total Project Budget
EUR 1 078 831

EEP Africa Financing
EUR 500 000

Project Partners
SkyFox Ltd, Uganda
Cooperative Alliance,
Just Clean It Ltd

Type
Demonstration project
Stand-alone

Project Code
UGA16859



Technology
Waste-to-Energy,
Biogas

Location
Uganda



Outcome and Impact

The project provides a circular solution to turn farm waste into productive energy that supports irrigation and food preservation. The system will generate 0.3 MW of energy and enhance access to water for over 500 crop and fish-pond farmers. By diverting food waste from landfills, the biodigester will reduce 635 tCO_{2e} emissions per year. The project has high potential for scale up in Uganda and other countries.

EEP Africa is a financing facility for early-stage clean energy projects in Southern and East Africa. It is hosted and managed by the Nordic Development Fund (NDF) with funding from Austria, Finland and NDF.

