

Uganda

Access to Sustainable Cooking Energy



Project	Energising Development (EnDev) Uganda
Political partner	Ministry of Energy and Mineral Development (MEMD)
Achievement	Improved cooking for 908,825 people, and 2,227 MSMEs for PUE

Background

More than 88% of the Ugandan population heavily relies on biomass energy for primary cooking energy consumption. This contributes to severe forest degradation, leading to fuel scarcity and high fuel prices in both rural areas and cities. Additionally, inefficient cooking methods emit harmful fumes and present health and fire injury hazards to those using them. The Government of Uganda has put renewed focus across various key policy frameworks and interventions towards transitioning to modern cooking technologies and services to meet the growing demand.

Our Approach

Market Development for Clean Cooking Solutions

EnDev Uganda's objective in the cooking energy sector is to facilitate access to high quality, affordable, cleaner, improved and modern cooking technologies for households, productive use, and small and medium-sized enterprises (SMEs): mainly food vending businesses in Uganda. The interventions are implemented in close cooperation with MEMD to ensure alignment with government sector objectives and targets. In addition, the project aims to be a catalyst for generating market intelligence on improved cooking standards (improved cookstoves, electric cooking and biogas), supporting improved sector coordination, innovative higher tier cooking and biodigester projects, advancing more users to higher

levels of energy access, identify scalable business models, and improve framework conditions in the clean cooking and biodigester sector.

The approaches are based on market mechanisms that ensure the private sector is the key driver in growing Uganda's market for clean cooking, avoid market distortion and enable sustainability post project interventions. These include:

- ✓ Promoting access to clean cooking technologies through joint market activations with UNACC e.g regional exhibitions.
- ✓ Decentralised awareness campaigns with relevant stakeholders to enhance consumer education on the available clean cooking solutions and benefits.
- ✓ Promoting adoption of modern technologies through innovation challenges, private sector collaborations for grant implementation, and incorporating the Leave No one Behind (LNOB) principles.



Food vendor with an efficient baking oven (productive use ICS)
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EnDev furthermore, uses results-based financing (RBF) frameworks to facilitate the sale and distribution of modern cooking technologies to different market segments within Uganda. Resulting sales are independently verified, and

partners are paid a top-up per product sold to help fill marketing and distribution gaps (i.e. no full funding of activities). A reverse auction RBF technique is employed to allow flexible strategic approaches, ensure scale up and sustainability of the private sector post project intervention.

Enabling Environment

The COVID-19 pandemic greatly impacted the energy sector and continuous efforts are needed to build resilience within the sector.



International Lifeline Fund (ILF) Lira Stove Production site: New liner shelter constructed with EnDev Uganda support. © GIZ

In collaboration with (MEMD) and key stakeholders, EnDev provides policy recommendations, supports the development of cooking energy standards and cooking technology testing, strengthens sector coordination, advocacy and governance under the Uganda National Alliance on Clean Cooking (UNACC), and offers business development support to increase investment readiness and upscale potential of SMEs.

Monitoring, Evaluation, and Upscaling

EnDev Uganda closely observes the performance of its private sector partners through an elaborate and robust monitoring and evaluation system. Through this conservative counting method, products that are not operational anymore

are deducted from its achievements. EnDev conducts regular monitoring field visits to gather customer and partner feedback as well as market insights for future adjustments to the project approach.

Innovation Pilot and Upscale Initiatives: The Case of eCooking



EnDev Uganda piloted an eCooking project under the *Demonstration and Market Introduction Window* in 2022-23. This pilot aimed to build on existing market studies to gather key usage and satisfaction data on the use of Electric Pressure Cookers (EPCs) for grid-connected households in 3 regions in Uganda, test product fit, and establish a supplier network. The project facilitated the sale of over 1000 EPCs, reaching over 5000 people with cooking energy access. The EUR 250,000 project was implemented by a consortium led by EnDev, in collaboration with the Modern Energy Cooking Services (MECS) Programme. Through lessons from the pilot, EnDev Uganda was able to secure additional co-financing under the [RVO-led SEE-Clean Cooking Programme](#) to scale up the supply chain and enabling environment for higher tier cooking solutions in collaboration with CLASP, and Ministry of Energy and Mineral Development (2023-25). © GIZGarage Group

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Registered offices Bonn and Eschborn, Germany
Dag-Hammarskjöld-Weg 1-5
65760 Eschborn, Germany
E info@giz.de
I www.giz.de

Contact:

Energising Development

E Un-Young.yong@giz.de
I www.endev.info

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Photos:

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Authors:

Victoria Butegwa, Jackie Nandawula, Eve Mashoo

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