

Project Developer
OneLamp

OneLamp is a locally-owned Ugandan company focusing on last mile clean energy distribution.



Total Project Budget
EUR 586 012

EEP Africa Financing
EUR 350 000

Project Partners
Tongbo, Omnivoltaic,
Solaris

Type
Pilot project
Stand-alone

Project Code
UGA16434


Technology
Solar PV

Location
Uganda



PRODUCTIVE SOLAR ENERGY FOR DAIRY FARMERS

This project will pilot a solar-powered refrigeration and milk storage solution for dairy farmers in Western Uganda. Of the country's 2.5 million small dairy farmers, 85% lack access to affordable cold storage, resulting in spoilage and significant losses in earning potential. OneLamp's system consists of a 650W solar home system with lithium battery, bundled with LED lights, a television and a 402 litre milk cooler. Each unit provides capacity for up to 10 cows. Dairy farmers can purchase the system through an affordable, mobile-enabled lease-to-own model. EEP Africa financing will enable OneLamp to expand market coverage and broaden its product and service offering.



Outcome and Impact

OneLamp aims to distribute 200 units, with at least 50% sold to women-led dairy farms as early adopters. The systems directly contribute to increasing income earning opportunities and improving productivity through value-added dairy products such as yoghurt and butter. The annual savings on energy-related expenditure are expected to be EUR 9,170 per dairy farm. The project has significant potential for scale-up.

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.