

Project Developer
OVO Solar Technologies

OVO is a Canadian start-up that aims to empower smallholder farmers by providing affordable, income-generating products that will help break the cycle of poverty.



PAYGO SOLAR EGG INCUBATORS FOR SMALLHOLDER FARMERS



Total Project Budget
EUR 368 210

EEP Africa Financing
EUR 257 502

Project Partners
Mwezi
Eggpreneur

Type
Pilot project
Stand-alone

Project Code
KEN16509


Technology
Solar PV

Location
Kenya

This project aims to improve the efficiency and productivity of the poultry value chain in Kenya. OVO will leverage local PAYGO distribution networks to bring solar-powered egg incubators to off-grid smallholder farms, with a focus on women farmers. The affordable solar incubators enable farmers to raise more chickens, which improves food security and increases income for rural families. This technology is innovative in the local market and has potential to be a driver of economic growth. The project will also provide training and facilitate access to markets. EEP Africa financing will enable OVO to test the technology at sufficient scale to assess the impact on farmer welfare and further develop the business model.



Outcome and Impact

The project aims to distribute 1,000 products to help farmers diversify their income and improve climate resilience. Each OVO solar egg incubator is equipped with a 30W solar panel and consumes just 120 Wh/day. At target sales the project will result in energy savings of 219 MWh/year and reduce greenhouse gas emissions by 62 tCO_{2e}/year. OVO will focus on women-to-women sales and 70% of direct jobs created will be targeted for women.

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.