PAYGO SOLAR EGG INCUBATORS FOR SMALLHOLDER FARMERS

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 tCO₂e/year. OVO will focus on women-to-women sales and 70% of direct jobs created will be targeted for women.