

Project Developer
ENdep Limited

ENdep is a Tanzanian turnkey energy services company that provides customized end-to-end solutions aimed at mitigating energy costs and increasing efficiency.



SHARED SOLAR COLD ROOMS FOR SAFE FOOD STORAGE



Total Project Budget
EUR 466 047

EEP Africa Financing
EUR 312 251

Project Partners
Adelano Solar Cold Chain Solutions Inc.

Type
Demonstration project
Stand-alone

Project Code
TAN16294


Technology
Solar PV

Location
Tanzania

This project will provide solar-powered cold storage for fish traders at Lake Victoria. ENdep will install a prefabricated and insulated container with capacity to store 20 tonnes of fish in Mwanza, Tanzania. The 12 kW solar-powered cold space can reduce post-harvest loss by 60%. ENdep's innovative product-service system business model provides easy access and efficient logistics for local fish traders to rent space in the unit at an affordable price. The project will also promote a circular economy through recycling and wastewater treatment solutions. EEP Africa financing will enable ENdep to demonstrate the viability of shared cold rooms for smallholders to store fish, meat, poultry, dairy and horticultural crops.



Outcome and Impact

The project will provide access to refrigeration services and reduce post-harvest loss for over 240 fish traders in Tanzania. Priority for rental space will be given to women and youth, facilitating entry into the fish trade and improving their economic livelihood. The system will generate 105 MWh of clean energy per year and reduce greenhouse gas emissions by more than 7,230 tCO_{2e}.

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.