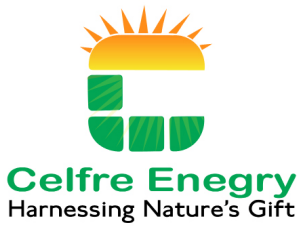




Project Developer
Celfre Energy

Celfre Energy is a locally-owned distributor of high-quality and affordable renewable energy solutions. It started operations in 2017.



Total Project Budget
EUR 300 000

EEP Africa Financing
EUR 210 000

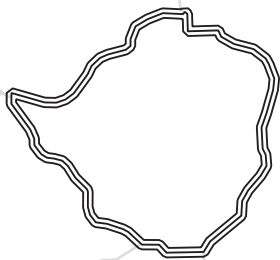
Type
Scale-up project
Stand-alone

Project Code
ZWE14513



Sector
Solar PV

Location
Zimbabwe



SOLAR PUMP DISTRIBUTION TO SMALLHOLDER FARMERS

This project will offer farmers a robust solar-powered surface water pump that will enable them to sustainably farm cash crops throughout the year. Electrification rates in rural areas of Zimbabwe are below 20%, leading most farmers to depend on rain-fed crop production using manual watering cans or polluting generators for irrigation. The Celfre unit is powered by clean energy and can pump one liter of water per second. It is also portable, easy to use and maintain, and has a USB port for phone charging. A PAYG model is being introduced to enhance accessibility, particularly for women and youth. EEP Africa financing will enable Celfre to test this new product in a difficult market and serve as a catalyst for other funders.



Outcome and Impact

The project aims to sell 570 solar water pump units to rural customers bringing enhanced energy access to over 2,500 people. This will increase economic opportunities for women and youth and directly create 46 new jobs. The project will result in total energy savings of EUR 500,000 per year and generate 0.5 MW renewable energy capacity.