

Solar power to provide access to clean water in Tanzania



Project duration: 6 months

In 2022, EKOenergy granted 20,000 € to the NGO Oikos East Africa (OEA) to provide access to clean water through solar-powered water pumps in two villages of northern Tanzania.

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Photo: Oikos East Africa

Clean and accessible water is crucial to human health, peace and security, a sustainable economy, and a healthy environment. However, in many developing countries, access to clean water is a luxury rural communities cannot afford.

That was the case in the Tanzanian villages of Ngabolo and Kimotorok, in the Manyara Region, where the locals had to walk to the nearby towns to buy clean water at high prices. Thanks to the grant from EKOenergy's Climate Fund, OEA's project managed to provide affordable clean water to these two rural communities.

In Ngabolo village, a solar-powered water supply system was built to transport water from the village of Mnambai, located 4 km away, where OEA had recently drilled a borehole.

The project included the installation of approximately 6,7 km of pipes, storage tanks, pumps and pump controllers. The pumping system is powered by an 8.64 kW solar installation (16 panels of 540 Wp each). Easier access to clean water was made possible by setting up six distribution points in various sites, including dispensaries and

schools, in Ngabolo and surrounding sub-villages.

In Kimotorok village, OEA built a well to allow water to be drawn from the free-surface aquifer through a 2.76 kW solar pumping system (6 panels of 460 Wp each).

In both sites, thanks to the solar systems, water is pumped during the 8/9 hours of daylight and then stored in the tanks for use during the night.

Villagers were involved in all stages of the implementation process, including the excavation of trenches for the pipelines.

Moreover, OEA selected and trained one technician per village who are now in charge of the daily operation and maintenance of the solar systems.

These installations improved the living conditions of more than 15,200 villagers.

Sufficient and affordable clean water is a right that no one should be deprived of. We thank EKOenergy users and sellers for joining forces and contributing to making projects such as this one possible.

Our Climate Fund



Focus on energy poverty and multiple Sustainable Development Goals



New projects annually in developing countries



Projects run and monitored by trusted NGOs



Selected by an independent jury



In 2022, the Fund granted 425,728 € for 15 new projects



All EKOenergy users contribute 0.10 € / MWh to the Climate Fund

EKOenergy - the global ecolabel for renewable energy

EKOenergy is [the global ecolabel](#) for energy (electricity, gas, heat and cold). We are a non-profit initiative working to fight climate change, protect biodiversity and realise the Sustainable Development Goals.

Energy with the EKOenergy ecolabel fulfils additional [sustainability criteria](#). Through our ecolabel we also raise money for our Climate Fund, which is used to finance [new renewable energy](#) projects in developing countries.

EKOenergy's network of authorised sellers makes EKOenergy-labelled energy easily [available in over 65 countries worldwide](#). Many consumers of EKOenergy-labelled energy choose to use our ecolabel on their website or products to demonstrate their commitment to a 100% renewable and sustainable world.

EKOenergy users include large international businesses such as SAP, VMware, Tetra Pak, Pampers, Workday, SCHOTT and the Iliad Group, as well as cities, public organisations and individual households.



Sustainability criteria: additional value for our planet

	EKOenergy	Other renewable energy	Grid mix
Recommended by environmental organisations	✓	?	-
Extra criteria to minimise the impact of energy production on nature. For example, hydropower installations with fish passes and wind turbines outside important bird areas	✓	?	-
Renewable energy tracked by EACs, such as GOs and I-RECs (In line with Greenhouse Gas Protocol Scope 2 Guidance)	✓	✓	-
Contributes to renewable energy projects in developing countries, advancing the realisation of multiple Sustainable Development Goals	✓	-	-
Available and recognised worldwide	✓	-	-
Supports the promotion of a transition to renewable energy worldwide	✓	-	-

Endorsed by global standards

EKOenergy is recommended by many international environmental standards such as CDP, the Greenhouse Gas Protocol, Greenkey for hotels and LEED-certification for buildings.

"A growing number of hotels in Europe have already switched to EKOenergy and include the EKOenergy logo in their communication with their guests. Follow their lead and go the extra mile."

"Ecolabels are a way for companies to do more with their purchases. EKOenergy, mentioned by the GHG Protocol Scope 2 Guidance, is such an option: it is a mark of quality which comes on top of tracking certificates."

"EKOenergy represents the best available option for the sustainable and additional consumption of renewable electricity within Europe."

