

## Solar-powered irrigation in Ratanakiri province, Cambodia



**Project duration: 12 months**

Photo: ICC

In 2023, EKOenergy granted €21 284 to the NGO Integral Cooperation Cambodia - ICC to install solar-powered water pump systems to support local agriculture in five villages of Ratanakiri province.

In the province of Ratanakiri, Cambodia, rural and indigenous populations rely on traditional subsistence farming. Families raise livestock and grow rice, cassava, cashew nuts, and rubber. However, the effects of climate change, soil depletion, and forest degradation are impacting the harvests of these families, who are already affected by social challenges.

Against that background, ICC, a Cambodian NGO aimed at empowering marginalised communities, and the Finnish development organisation FELM initiated a long-term project to support farmers in these villages. The project focuses on sustainable livelihoods and education, and human rights play a central role in the project design by considering tensions because of historical reasons, ethnicity, struggles for power, unemployment, and more.

Energy and irrigation are crucial for increasing productivity and food security. That's why the project partners developed a sub-project to bring solar-powered water pumps to several of the villages. They applied for EKOenergy's support during our annual call for projects and were selected as one of the most promising projects. Later, they may also use solar energy to improve other aspects of life

in the villages, e.g. by using solar energy to power lights and small electronic devices.

As part of this project, solar-powered water pump systems were installed in the villages of Kangmis, Saleav, Saomtrak, Kamplenh, and Lang-aw, benefiting nearly 2,700 people. Each village now benefits from a solar-powered water pump comprising an automatic 680-watt pump motor and a 450-watt dual AC/DC pump motor, capable of automatically pumping water using solar energy, with an average capacity of 12 cubic meters per day.

To ensure the longevity of the installations, ICC involved local communities and authorities at various stages of the implementation and provided technical training to the vegetable farming teams.

Additionally, community members, now responsible for the projects, develop and share their knowledge, including organising group meetings to create internal guidelines and strategies for vegetable cultivation and marketing.

Thank you to all sellers and users of EKOenergy-labelled energy for making this project possible. Together, we contribute to a more sustainable and fair future.

### Our Climate Fund



Focus on energy poverty and multiple Sustainable Development Goals



New projects annually in lower-income countries



Projects run and monitored by trusted NGOs



Selected through a transparent process



In 2023, EKOenergy approved grants for 20 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 low- and middle-income countries.

EKOenergy's network of authorised sellers makes EKOenergy-labelled energy easily [available in over 80 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 Microsoft, SAP, Pampers, Mercedes-Benz, 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."*

