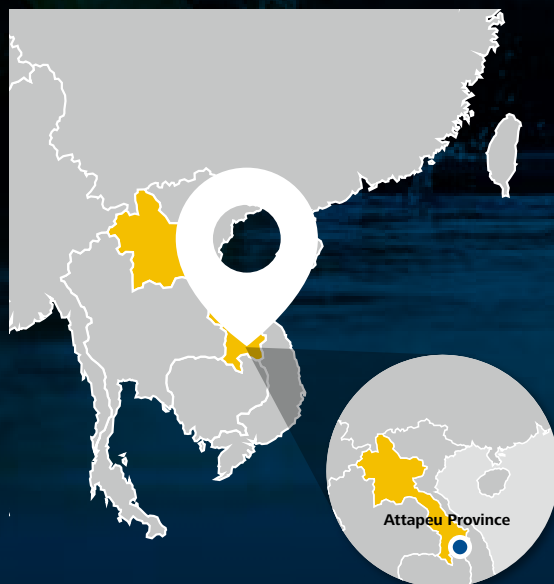


XENAMNOY 1 HYDROPOWER LAOS

Utilising natural water resources in
Laos for sustainable development



Laos has significant potential to generate hydropower, yet the country currently lacks the economic resources necessary to make electricity services available to rural communities. This hydropower power project helps solve this issue by generating sustainable electricity for rural communities and reducing the need for firewood.

The Context

Unsustainable firewood use comprises the bulk of primary energy consumption in Laos, contributing to shrinking tropical forests. As the demand for electricity supply is steadily increasing, Laos must turn to sustainable energy options in order to save its forests and limit greenhouse gas emissions.

The Project

This project capitalises on Laos' enormous hydropower potential to supply the region, and particularly its rural communities, with a sustainable source of clean energy. This run-of-the-river hydropower station has a total installed capacity of 14.8 MW, and harnesses flowing water to provide clean hydro electricity to the Lao Power grid.

The Benefits

Thanks to less need for firewood, forests and vegetation are able to recover and carbon emissions are reducing every year. The project also contributes to local sustainable development by providing job opportunities, improving the local infrastructure, and implementing a water supply programme for the villagers. In addition to this, a new temple has been built for the local community, respecting the religion of local residents.

By reducing the burning of firewood for electricity generation, this project is helping regenerate local vegetation.



Gold Standard



**85,000
MWh**

of clean energy provided to the Lao Power Grid, promoting the renewable energy industry



**23
jobs**

created for local residents, boosting local economies



**47,558
tCO₂e**

reduced on average annually, by a decreased reliance on fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Xenamnoy 1 Hydropower Project | **UNFCCC/markit/VCS link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=1030000000006010
UNFCCC/markit/VCS ID: 1030000000006010 | **GS ID:** 2766

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