From producing clean renewable fuel to creating a clean energy sector in Cambodia with Biomass.

Biogas is a clean energy source produced from livestock and agricultural waste. The program aims to disseminate fixed dome digesters and establish a thriving domestic biodigester sector based on a market driven approach for sustainable energy in Cambodia.

The biodigester converts animal manure into clean biogas and organic fertilizer, providing a way for individual households to reduce their dependence on polluting fuels for cooking and lighting. This clean energy generates time and money savings for users while reducing deforestation and greenhouse gas emissions. It also creates a smoke-free cooking environment, producing positive impact on respiratory health, especially for women and children.

The organic fertilizer generated from the system also reduces how much farmers spend on chemical fertilizer while improving crop yield leading to greater produce income.

Benefits of the Biogas Program in Cambodia 2017 - 2025

- 600,000 Tonnes of CO$_2$e saved
- 300,000 Tonnes of wood saved
- 200,000 Tonnes of organic fertilizer produced
Sustainable livestock production

Using biodigesters on farms promotes the sustainable production of livestock without affecting the environment. Animal waste is collected in the digester, which processes it and turns it into biogas. The remaining bio-slurry serves as an organic fertilizer.

NBP programme operates in 14 provinces

The National Biodigester Programme (NBP) is a joint development of the Ministry of Agriculture, Forestry and Fisheries (MAFF) and the Dutch Development Organization (SNV).

The potential for biogas households is estimated to 1 million households.

Support this project

By purchasing carbon credits, you can provide the Biogas Program in Cambodia with critical funding to allow more people to be trained on the construction and maintenance of biodigesters, enabling the technology to benefit additional farm families.

Quality assurance

This project is certified and third-party audited under the Gold Standard, the most rigorous global standard for carbon offset projects. It is also listed on the Gold Standard Impact Registry. Read more about Nexus’ quality assurance.

More information

For more information on this project, contact Nexus: contact@nexusfordevelopment.org.