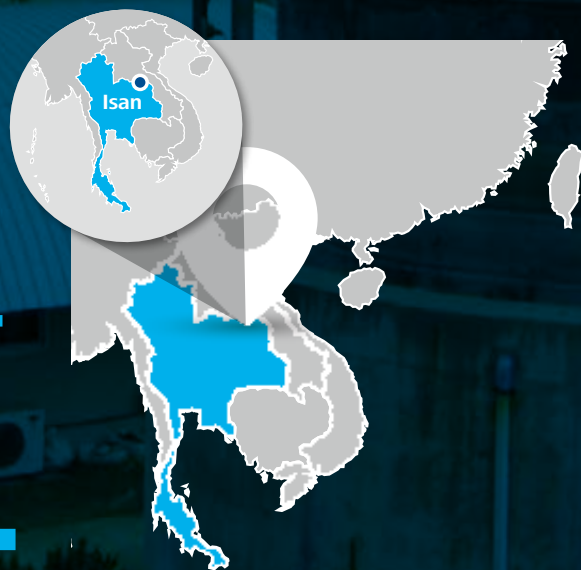


BIOSUPPLY WASTEWATER TREATMENT PROJECT THAILAND



Sustainable Energy for Northeastern Thailand

This project captures methane at a Thai starch plant using two closed anaerobic wastewater treatment facilities and converts the gas into energy, partially replacing the need for fossil fuel consumption. The project has a twofold effect: it prevents methane from harming the climate and avoids thousands of tonnes of fossil fuel being burnt per year.



Improving energy efficiency and reducing air pollution.

Just a few years ago, the starch plant treated its wastewater through cascading open lagoons with a retention time of more than a year. The combination of atmospheric and water temperature led to methane generation from the organic content in the wastewater. The methane was then released into the atmosphere, emitting greenhouse gases that are 20 times more powerful than CO₂.

With this project, not only has the local air and water quality improved, the starch plant has also reduced its fossil fuel consumption significantly. In addition, the project and revenues from carbon credits have generated jobs for locals and supported social and educational activities in the community.



275,458

m³ of water treated/year



JOBS

permanent positions created



18,423

GHG emissions reduced in relevant year (tCO₂e)

PROJECT HIGHLIGHTS

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