

GREAT GIANT PINEAPPLE BIOGAS INDONESIA



**Promoting sustainability in the Indonesian
agricultural sector**

Great Giant Pineapple (GGP), one of the largest pineapple processing companies in the world, is situated on the southern part of the Indonesian Sumatra Island. Under this project, a closed loop wastewater treatment system has been installed at the factory. Captured methane emissions from wastewater can now be used as biogas for sustainable energy generation.



*Replacing fossil fuels
with biogas in a
pineapple processing
factory.*

The Great Giant Pineapple Project is considered the first one in the world to establish a joint wastewater treatment system for a pineapple and tapioca starch factory. By using an anaerobic covered lagoons system, it generates heat and electricity to meet the energy requirements of the processing plants and provides a good example of an effective waste to energy project.

This project prevents harmful greenhouse gases from entering the atmosphere while at the same time using biogas as a more sustainable alternative to the previously used heavy fuel oil. Each year, it can prevent carbon dioxide emissions amounting to around 40,000 tonnes.

The 14,234 employees at the factory can participate in social development activities and surrounding communities are provided with clean water and funding for education facilities.



197

Villages provided with clean water



15

New jobs created through the project



40,813

tCO₂e mitigated per year

PROJECT HIGHLIGHTS

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