



Ministry of the Environment



Global Environment Centre Foundation

Joint Crediting Mechanism (JCM) Model Projects



<https://gec.jp/jcm/>

JCM Model Projects by Technology

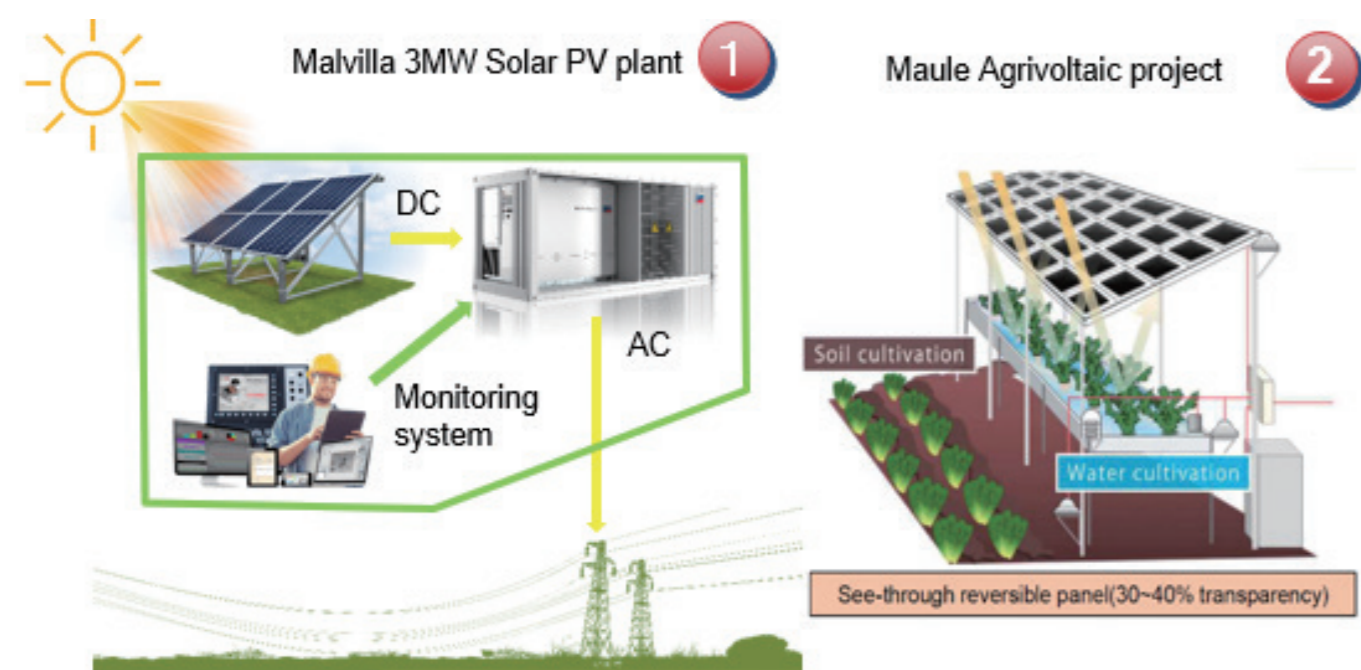
Renewable Energy



3MW Solar Power Project Utilizing Farmland in Valparaiso Region

Country Chile

Expected GHG Emission Reductions 2,395 tCO₂-eq./year



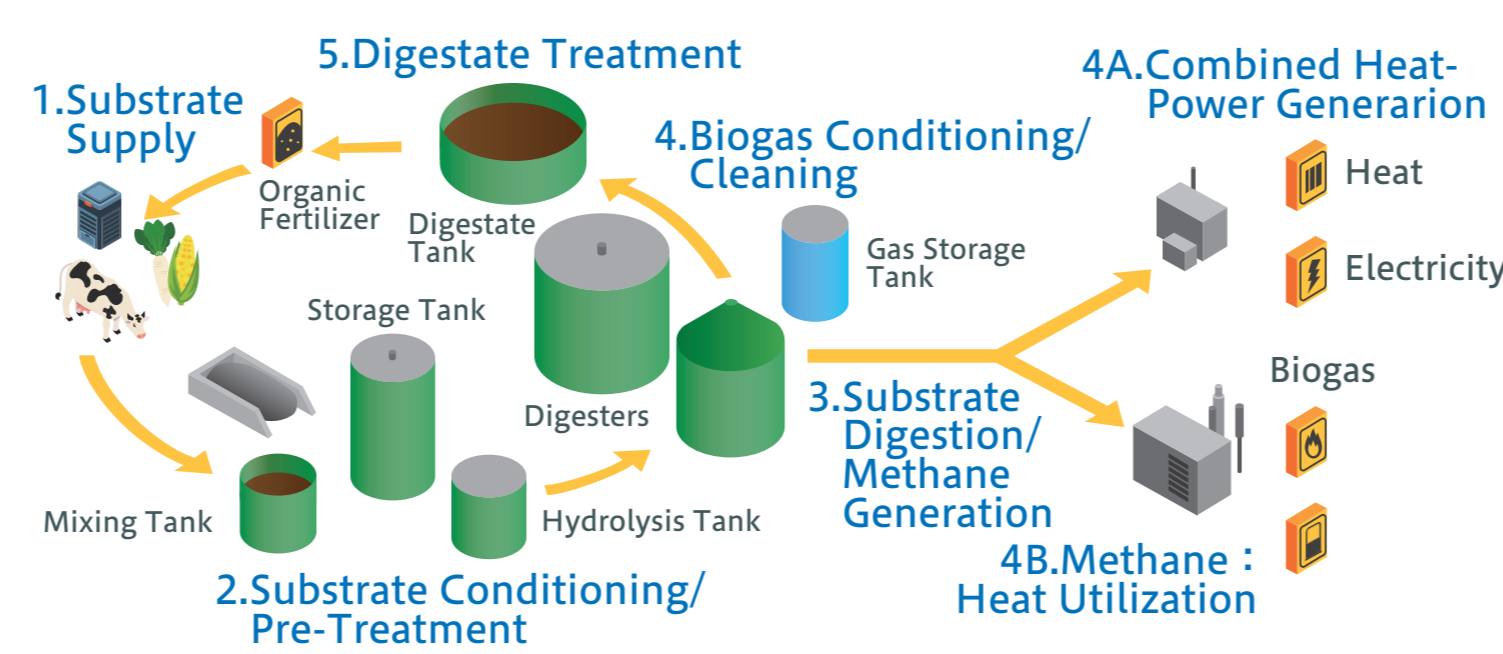
Renewable Energy



Biogas Power Generation and Fuel Conversion Project in Pineapple Canneries

Country Philippines

Expected GHG Emission Reductions 54,167 tCO₂-eq./year



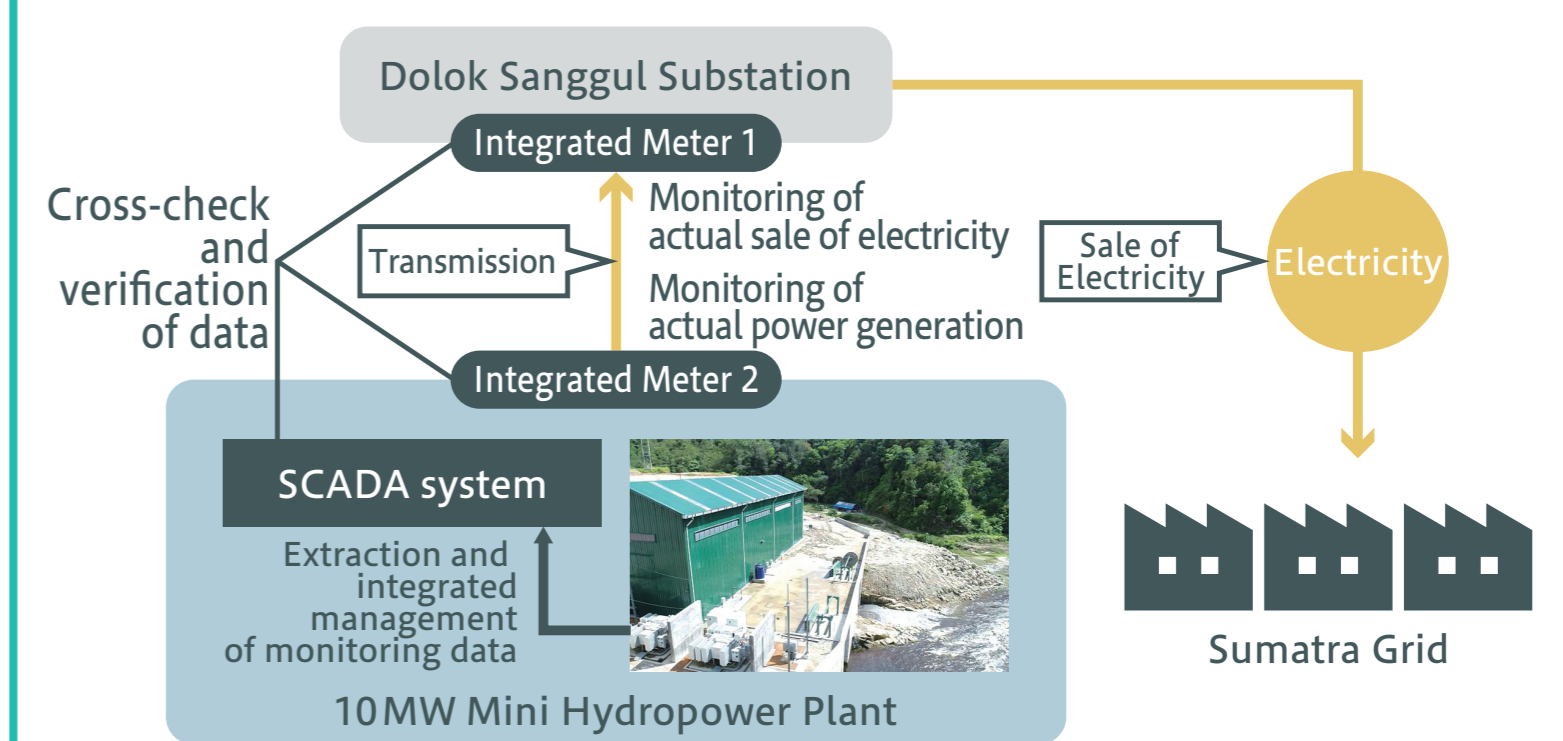
Renewable Energy



10MW Mini Hydro Power Plant Project in North Sumatra

Country Indonesia

Expected GHG Emission Reductions 32,807 tCO₂-eq./year



Energy Efficiency



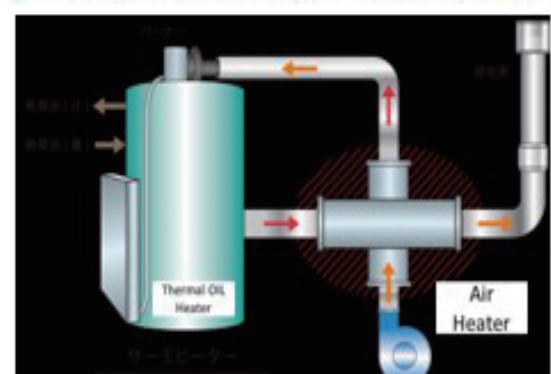
Introduction of High-Efficiency Thermal Oil Heater System in Chemical Factory

Country Indonesia

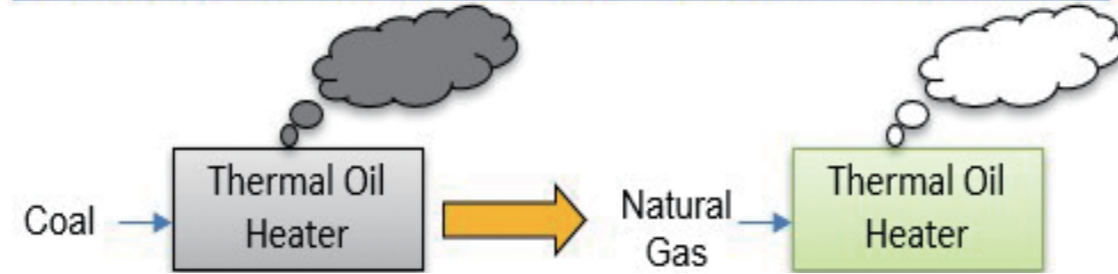
Expected GHG Emission Reductions 1,809 tCO₂-eq./year

1) Efficiency improvement by installing pre air heater

2) More eco-friendly by conversion to pipeline natural gas



Heater efficiency is expected to be improved by 12% by installing pre air heater and to reduce more GHG emissions.



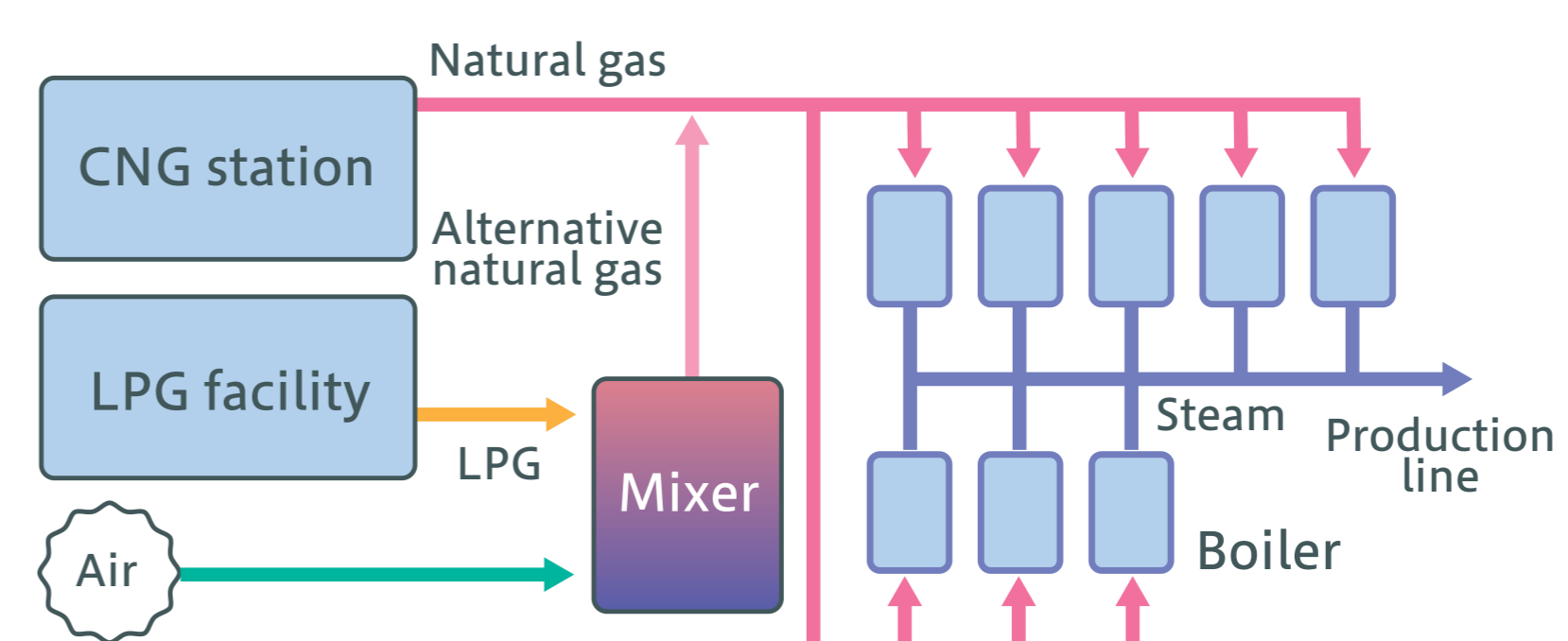
Energy Efficiency



Introduction of High Efficiency Boiler System to Food Factory

Country Vietnam

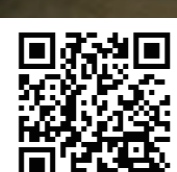
Expected GHG Emission Reductions 7,631 tCO₂-eq./year



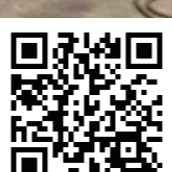
Energy Efficiency



Once Through Boiler (Thailand)



Air Cooled Chiller (Vietnam)



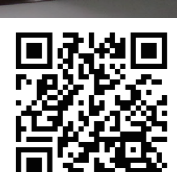
Autoclave (Indonesia)



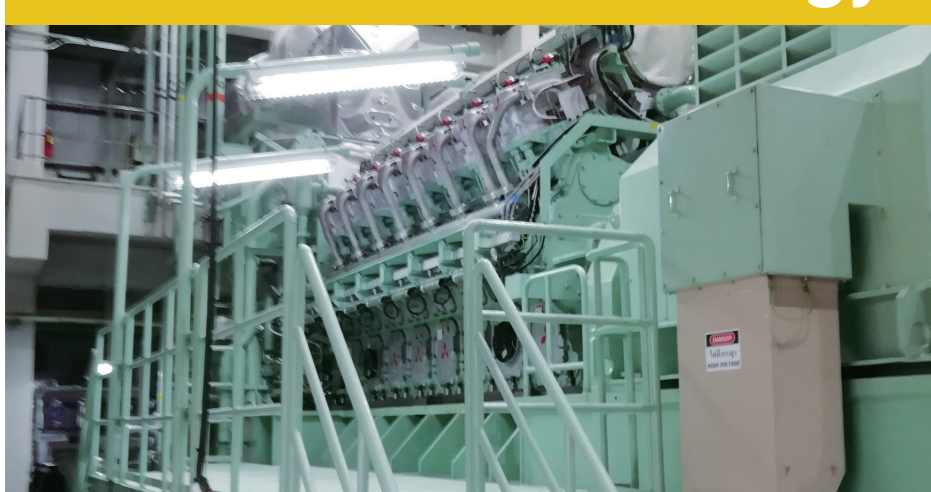
Boiler (Thailand)



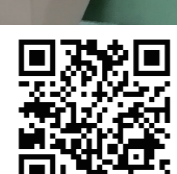
LED Lighting (Vietnam)



Effective Use of Energy



Gas Co-generation System & Chiller (Thailand)



Biomass Boiler (Vietnam)



Solar Power (Indonesia)



Waste to Energy Plant (Myanmar)



CNG-Diesel Hybrid Public Bus (Indonesia)

