



# IMPLEMENTATION OF BIOGAS POWER PLANT PROJECTS IN THAILAND

**CASE STUDY/INSIGHT**

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Thailand was extremely successful in promoting and implementing biogas power plant projects from 1997 onwards due to Kyoto Protocol. Our team was involved in the implementation of biogas projects in Thailand in the following industries:

- Swine farms
- Municipal solid waste
- Palm oil mills
- Starch plants
- Tapioca processing plants
- Ethanol plants
- Other industrial waste water treatment plants

Extensive site visits were conducted to all those project sites and stakeholder consultations were carried out involving project owners, equipment suppliers, international donors, local governments, NGOs, CSOs, local communities, etc. The size of power plants range from as low as 600 kW to 4.2 MW. The projects demonstrated the financial viability of power generation from waste water treatment. It also boosted confidence of the neighbouring countries to go for more and more biogas power plants. Several other industries followed the same path and switched to power generation from waste water treatment. These projects reduce CO<sub>2</sub> emissions significantly and thus help in the reduction of global carbon footprints. In addition, these projects give optimum solutions to prevent water pollution. Job creations, renewable energy based power generations, etc. are the other advantages.

