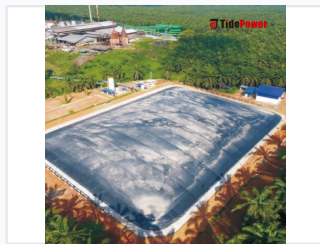


1 MW Biogas Power Plant

This 1 MW biogas power plant converts biogas into electricity. It provides a sustainable energy solution by utilizing organic waste.



ADDITIONAL IMAGES



Overview

Sustainable 1 MW Biogas Energy Solution

This 1 MW biogas power plant offers a tailor-made renewable energy solution designed to convert organic waste, such as palm oil effluent, into reliable electricity. By utilizing biogas as fuel, the system significantly reduces fuel costs while providing opportunities to generate revenue through grid sales. The solution is ideal for industrial applications, agriculture, and waste management facilities looking for high-efficiency green energy.

Project Details

Power Rating

1 MW

Power Rating

Fuel Source

Biogas • Palm Oil Effluent

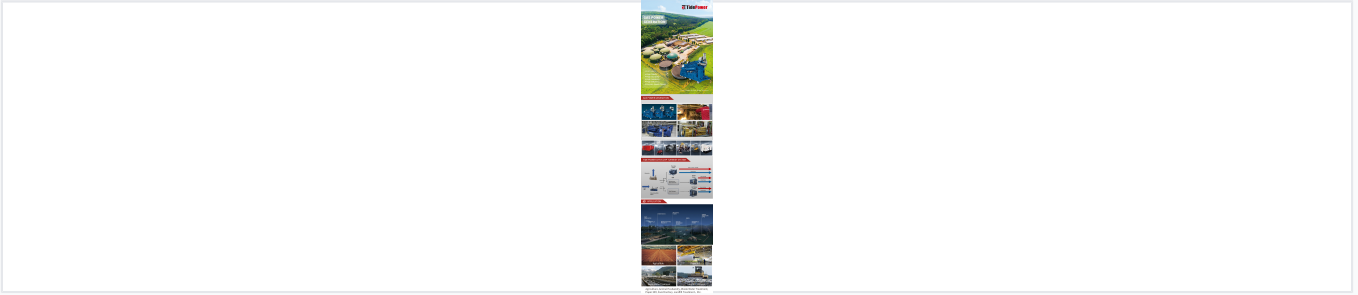
Installation Location

Malaysia

Project Timeline

September 2017

System Features



Technical workflow showing how biogas fuel is converted into electricity, steam, and chilled water through integrated heat recovery systems.

Available Configurations

- CHP (Combined Heat and Power) Turnkey System
- CCHP (Combined Cooling, Heat, and Power) Turnkey System

Core System Advantages

High Safety, High Durability, High Reliability, High Efficiency, Human-based Design

Applications

Target Industries

- Palm Oil Mills
- Sewage Treatment Plants
- Landfill Treatment
- Agriculture & Animal Husbandry
- Paper Mills & Food Factories
- Industrial Plants
- Independent Power Producers (IPPs)

Technical Capabilities

Recovery Components

- Exhaust Gas Heat Recovery
- Steam Generator
- Jacket Water Heat Exchanger
- Absorption Chiller

Energy Recovery Outputs

Electricity, Hot Water, Steam, Chilled Water, Space Heating