

PT. Tasik Raja Palm Oil Mill

PROJECT SUMMARY

Project Type: MWM Gas Genset
Commissioning Date: March 2019

Company Overview:
 Palm Oil Mill

Location: South Labuhan Batu, North Sumatera,
 Indonesia

Gas Gensets details:

MWM 1 X TCG2020V12 unit.
 Total capacity of the plant is 5000 KWe.

Captive Power Plant:

The commissioning of the plant electrical & mechanical installation was completed in 5 days with 100% load trial.

TECHNICAL SUMMARY



MWM TCG 2020V12 Biogas Genset



Gas Genset Auxiliary Piping

Brief of Implemented Project:

Installation of 1 unit of MWM biogas genset (1xTCG2020V12). The client produced biogas from their POME & running engine & Boiler from this biogas to supply power for the mill production. Currently, client is converting this biogas into bio-CNG & selling to others.

Effect of this implementation:

Client uses this biogas to generate electricity or run boilers, greatly reducing reliance on fossil fuels. Also, converting POME into biogas turns an expensive waste management problem into a profitable compliance tool.

Savings by Biogas Engine:

Capacity of Biogas Plant	22,000-30,000 Nm3
Power Generation Capacity	500-600 KW
Unit Cost (USD/KWh) for NG	~ \$0.088
Total savings/day, in USD	~ \$1056-1268
Yearly Savings, in USD	~ \$385,440-462,820

CONTACT US

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