



Project Profile

Taranaki By-products – New Zealand



Client	Capacity	Location	Operational
SBT Group	1,063 kWe & 135°C Hot Water	Taranaki, New Zealand	Nov. 2009

Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy (Aust) Pty Ltd	1 x 1,063KWe JMC 320 GS-N.L	Natural Gas

Scope of Work

Clarke Energy were contracted to supply, install and commission a containerised GE Jenbacher gas engine for SBT Group at their Taranaki By-products plant in New Zealand.

Cogeneration Capacity

1,063 KW electrical power and 1,247kW of thermal energy fuelled by natural gas

Principal Equipment

GE Jenbacher JMC 320 GS-N.L. combined, heat and power containerised module set rated at 1,063kWe, 50Hz

General Description

The cogeneration plant is synchronising with the grid while generating electricity at 415 Volts on site and supplying hot water at 135°C to the plant processing by utilising an Exhaust Gas Heat Exchanger operating at 12bar pressure. The high efficiency and reliability of the GE Jenbacher engine will enable Taranaki By-products to save on their energy costs and reduce their carbon footprint.



Authorised Distributor
GE Energy