

CASE STUDY

MPMC Large Power Generator Sets



More Power More Confidence

Application - Power Plant 15MW

UAE

Prime Power: Twins 3000kva / 6KV, 3*3000kva / 6KV
Config. **MTU 20V4000 G63LF** + **Leroy-Somer LSA 53.2 XL13**
For 2 Factories



Application - Power Plant 3.9MW



Kenya

Prime Power: 650 kVA, 6 units

Config. **Cummins** KT38-GA + **Stamford** S5L1D-F4



Application - Power Plant 18MW

Indonesia

Config. **Cummins** KTA50-GS8 + **Leroy-Somer** LSA 50.2 L8

Fuel: **Biofuel B35**



Application – Rental 10MW

Brazil

Config. **Cummins KTA50-G12** + **Stamford S6L1D-H4**



Application – Rental 4MW



Iraq

Prime Power: 2000kVA, 2 units

Config. **Perkins** 4016TAG2A + **Leroy-Somer** LSA 52.3 S6 312

50Hz & 400V

50°C Copper Radiator

DSE7320 + ABB Breaker, with interphase insulating barrier: PB 2pz E2.2-E6.2 F 3



Application – Expo 7.5MW

China

Prime Power: 1250kVA, 6 units

Config. **Cummins** QSK38-G5+ **Stamford** PI734C

50/60Hz, 400/230V

With Droop CT, SEI 3, RTD x 6, oil refilling bearing, manual potentiometer

Protection treatment for air inlet and rotating mechanism



Application – Building 3MW

New Zealand

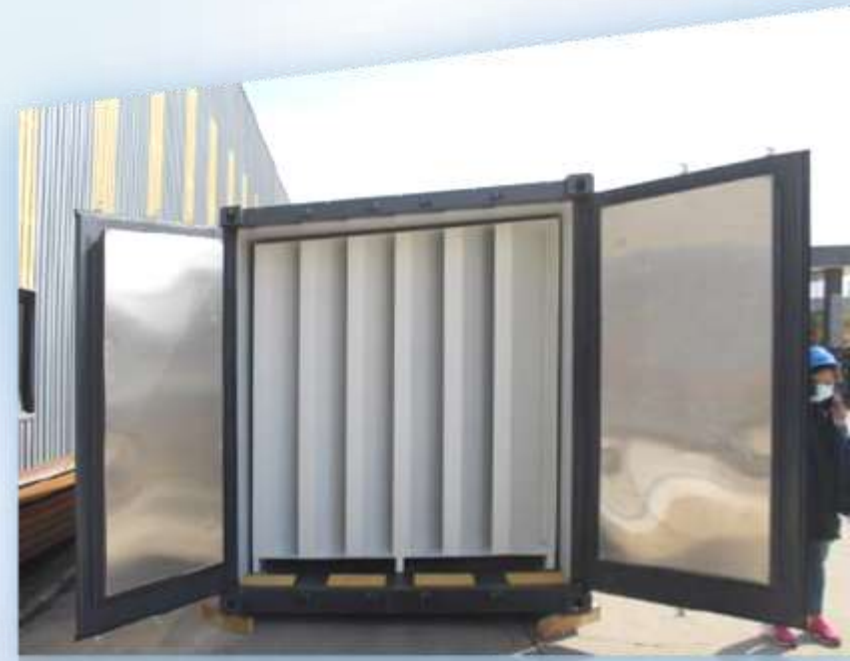
Prime Power: 750 kVA, 4 units

Config. **Doosan DP222LC+ Stamford S5L1D-H4**

20HC **Super Silent, 75 dB(A)** @7m@100 % load

Parallel & load sharing (DSE8610+ABB 1250A 3P motorized MCCB)

9kW engine block preheater with circuit pump



Applications – Healthcare 4MW

New Zealand

Prime Power: 2000 kVA, 2 units

Config. **Perkins** 4016-61TRG3+ **Stanford** S71D G41 40HC **Super silent**, 85 dB(A) @1m@100% load

Parallel & load sharing (DSE8610 + ABB 3200A 3P ACB)

2 x 3kW engine block preheater with circuit pump

Internal 500L fuel tank with automatic fuel filling device



Application - Peak Shaving 4.2MW

Middle East

Prime Power: 2100 kVA, 2 units

Config. **MTU** 16V4000G63 + **Stamford** PI734G

50°C radiator driven by electric motor

Parallel with mains (DSE8620 + ABB 3200A 3P ACB)



Application - Typical Standby

Middle East

Prime Power: 2000 kVA

Config. **Perkins** 4016TAG2A+ **Stamford** PI734F

40°C belt driven radiator

Auto mains failure (DSE7320 + ABB 3200A 3P ACB)

IP54 control box & alternator terminal box



Application - Mining

Philippines

Prime Power: 1575 kVA

Config. **Cummins** KTA50-G9+ **Stamford** S6L1D-H4 312,
480V & 60Hz

KTA50-G9-P-50, adapt to 1800rpm KTA50-G9 engine, 50°C Copper Radiator
DSE8610MKI Controller+ CHINT Breaker



Application - Oilfield

Australia

Prime Power: 1500 kVA

Config. **Perkins** 4012-46TAG2A + **Leroy-Somer** LSA 50.2L8 312
4012-46TAG2A-P (50°Ccopper)
DSE7320MKII + ABB Breaker



Application - Hospital 3MW

China

Prime Power: 1500kVA, 2 units

Config. **Perkins** 4012-46TAG2A + **Leroy-Somer** LSA 50.2 L8 312

50Hz & 400V

AREP, AVR

R450TDSE7320+ ABB air circuit breaker



Application - Data Center

United Arab Emirates

Prime Power: 3000kVA

Config. **MTU** 20V4000 G63LF + **Leroy-Somer** LSA 53.2 XL13

50Hz & 6KV

With space heater/anti-condensation heater, RTD

Multi-rad Radiator



Application - Stadium 6.9MW

Mexico

Prime Power: 1375kVA ,5 units

Config. **Cummins** KTA50-G3+ **Leroy-Somer** LSA 50.2 M6

Multi-rad 50°C Copper Radiator, split type alternator 60Hz/440V

C-5 painting

Equipped with container-type special ATS cabinet



THANKS

Power Generation

Diesel / Gas / Methanol / Biofuel Genset
Diesel Lighting Tower

Hybrid Solution

Hybrid Power Station
Hybrid Lighting Tower
Solar Lighting Tower
Micro Grid Solution

Battery Energy Storage System

HBD-E Series
HBD-A Series
HBD-R Series

Mobile BESS Charger

BCH-80-70
BCH-275-200
BCH-500-1000

