



INTERNATIONAL AIRPORT STANDBY POWER & PARALLELING WITH UTILITY

Enercon Engineering was asked to custom design and build control systems and switchgear for four Caterpillar 3516 engine generator sets for standby power and paralleling with the local utility company.

Enercon also mounted the generator sets onto skid bases and constructed and mounted 1,000 gallon fuel tanks. On site training was also provided by Enercon.



SPECIFICATIONS:

ENGINES:

- Four Caterpillar 3516 engines, diesel fueled
- Rated @ 2,000kW

GENERATORS:

- 13.8 kV, 104.6 amps
- 3 phase, 60 Hz
- Total capacity: 8 MW/10MVA, 418.4 amps

SKID BASE:

- Double wall, fuel tank base assembly
- 1,000 gallon capacity
- Dimensions: 96" x 280" x 18"

CONTROLS & SWITCHGEAR:

- NEMA 1 automatic paralleling medium voltage switchgear
- Enercon Evolution touch screen controls

