

ENERGY

...anytime

Complete solutions for power generation



Project Data Sheet - Guando

Owner: Petrobras
Contractor: Gecolsa Ltda. / Energy International, Inc. / HMV Engineers

Turbines: 2 x Solar® Taurus 60
Location: Guando, Colombia
Application: Producing oil and gas field
Technical Data: Electrical output: 2 x 5,200 kW



- Fuel:** Dual: Natural Gas / Diesel
- Generator:** 3 phase synchronous generator
5,200 kVA, 4.16 kV, 60 Hertz
- Turnkey Responsibility:** Gecolsa Ltda. / Energy International Inc.
- Erection, Civil Works:** Gecolsa Ltda. / HMV
- Initiation of Operation:** December 2003
- Application:** Generation of electrical power for all of the requirements at this producing oil field.
- Client Benefits:**
- Power Production:**
In an effort to bring lower costs to its operation in Colombia, Petrobras was looking for a power plant that could be installed quickly and operated remotely. Energy International was chosen for its timely project management and installed two Solar® turbines generator sets model Taurus 60 using Natural Gas for continuous operation. The dual fuel (Natural Gas and Distillate Oil) Taurus 60s gas turbine has a dry, lean-premixed SoloNox combustion system for pollution prevention.
- This power plant supplies 8.8MW of power @ 4.16kV depending on water injection field need.
- Oil Production Capacity:**
Power Generation capacity used as incremental power for water re-injection pumps to substitute gensets driven by reciprocating engines. Crude oil production increased by 10,000 barrels of oil a day.