

ENERGY

anytime...

Complete solutions for power generation



Owner:

Contractor:

Engines:

Location:

Application:

Technical Data:



Elcatex Power Plant

Energy International Corp.

Cat® 16CM32C manufactured in Kiel, Germany

Choloma, Cortés, Honduras

Cogeneration power plant for textile mill and for the sale of energy.

Mechanical output: 2 x 7,680 kW

Gross steam output: 2 x 3,050 kg/h @ 12 bar, saturated

Chilled water output: 2 x 500 TR-R @ 44/54° F



Elcatex Phase I & II

Fuel:

Heavy fuel oil - 500 cst @ 50C°

Generator:

3 phase synchronous generator

Phase I: 2 x 9,081 kVA, 13.8 kV, 60 Hertz

Phase II: 1 x 9,081 kVA, 13.8 kV, 60 Hertz

Distribution & Control:

13.8 kV Switchgear, 440 V MCC, control and monitoring system (SCADA)

Turnkey Responsibility:

Energy International

Commenced Operations:

Phase I: June 2004 **Phase II:** April 2005

Operation & Maintenance:

Energy International - 5 year contract



Client Benefits

Increased power quality and reliability

With the help of Energy International, Elcatex installed generator sets to produce and control its own power supply.

Cost effective power

Use of cogeneration technology permits more efficient power production per kilowatt hour, enabling Elcatex to produce energy in a more cost effective way.

Elcatex has become an Independent Power Producer (IPP)

Elcatex's new cogeneration plant produces energy with cost efficiency which allows Elcatex to become an IPP and supplement the demand for energy to other industries. Therefore, Elcatex is able to sell its excess power capacity back to other industries.