

ENERGY

anytime...

Complete solutions for power generation



Owner:

Contractor:

Engines:

Location:

Application:

Technical Data:



Electro Oriente S.A.

Energy International Corp.

2 x Cat® 16CM32C engines manufactured in Kiel, Germany

Iquitos, Peru

Power generation for the public grid.

Power output: 2 x 7,450 kW

Steam cogeneration: 2 x 1,000 kg/h @ 10.0 bar, saturated steam.

Energy International offers integrated energy solutions with the highest quality engineering, procurement, project management and construction services in the industry.



Electroriente

Fuel:
HFO- 700 cst@50C

Generator:
3 phase synchronous AVK-Generator
2 x 9,088 kVA, 10.5 kV, 60 Hertz

Switchgear:
SEG 10.5 kV medium voltage, 480 V low
voltage, control and SCADA system

Waste Heat Recovery:
Steam boilers, 2 x 1,000 kg/h.

Main Contractor:
Energy International /ORVISA / Ferreyros

Engineering:
HMY Engineers

Civil Works and Erection:
Energy International

Commenced Operations:
August 26, 2008



Client Benefits

Increased capacity and reliability in electric power

Due to population growth the capacity of power generation could no longer meet the demand, this required a fast solution for additional power.

Energy international and its strategic partner in Iquitos, ORVISA, were able to complete this important task, and deliver the power station within the requested time period.

Cost effective power generation

The new 16CM32C generator sets at Electro Oriente, produce electricity at reduced price per kilowatthour thanks to their high efficiency and low maintenance cost.