

ENERGY

anytime...

Complete solutions for power generation



Owner:

Contractor:

Engines:

Location:

Application:

Technical Data:



Electro Oriente S.A.

Energy International Corp., Ferreyros

2 x Cat® 16CM32 engines manufactured in Kiel, Germany

Iquitos, Peru

Power generation for the public grid.

Power output: 2 x 7,680 kW

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

Energy International offers integrated energy solutions with the highest quality engineering, procurement, project management and construction services in the industry. We partner with HMV Engineers to provide state-of-the-art engineering.



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 Electroriente

Fuel:
HFO- 700 cst@50C

Generator:
3 phase synchronous AVkgenerator
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:
ORVISA / Energy International

Engineering:
HVM Engineers

Civil Works and Erection:
Energy International

Commenced Operations:
August 26, 2008



Client Benefits

Increased capacity in power generation and reliability in electric power

Due to the growth in population in the city of Iquitos, the capacity of power generation had surpassed its demand which required a fast and suitable addition of a power station. Energy International and its strategic partner in Iquitos, ORVISA, were able to complete this important task, and deliver the power station during the established time period.

Cost effective power generation

The new 16CM32 engines produce power at a lower price per kilowatt hour, allowing more cost effective energy production in Electro Oriente thanks to their high efficiency and low maintenance.

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