

# ENERGY

anytime...

Complete solutions for power generation



**Owner:**



Ferrenergy S.A. under BOOMT Agreement

**EPC Contractor:**

Enintco Ltda. and Pluspetrol

**Main Equipment:**

4 x 16PA6B heavy fuel fired generator sets, manufactured by Pielstick SEMT in France.

**Location:**

Pluspetrol Oilfield, Lot 1AB, Shiviyaçu, Peru

**Application:**

Electric Power Generation for energy sale to Pluspetrol, under a BOOMT Agreement. Ownership transfers at conclusion of contract.

**Technical Data:**

4 x 4.5 MW = 13.5 MW @ 13.8 kV / 60 Hz (1 unit on standby)

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



## **Pluspetrol, Peru**

### **Fuel:**

The plant burns heavy fuel oil as the main fuel. Light fuel oil (diesel) is used as the back up fuel.

### **Generators:**

4 x 4.5 MW net Pielstick reciprocating engine generator sets, all working at 60 Hz, 13.8 kV.  
(1 unit on standby)

### **Distribution & Control:**

Switchgear and Control system providing plant protection, SCADA control and monitoring.

### **O&M Contractor/Term:**

Energy International / 5 Year Term

### **Commenced Operations:**

July 2007



## Customer Benefits

### **Increased power quality and reliability of electric power**

With the construction of this new power generation plant, the customer is integrating all of its power generation assets at one site. As opposed to being disbursed over a large geographic area, at multiple well heads, using many small diesel and natural gas generator sets. With this centralization, the Customer will increase both the quality and the reliability of its electric generation and distribution system.

### **More Cost Effective Power Solution**

With the medium speed main engines, the Customer will reduce the cost to generate electric energy through the use of crude oil as a less expensive fuel, with more efficient engines (state of the art technology), and reduced costs to operate and maintain, measured on a cost per kW-hour generated.