

# ENERGY

## anytime...

**Complete solutions for power generation**



**Owner:**

**Contractor:**

**Engines:**

**Location:**

**Application:**

**Technical Data:**



Textufil S.A. de C.V.

Energy International Corp.

2 x Cat® 8CM32 and 3 x Cat®16CM32 manufactured in Kiel, Germany

Soyapango, San Salvador, El Salvador

Cogeneration for industrial consumer and energy sales.

Mechanical output: 2 x 3,500 kW and 3 x 7,680 kW

Steam heating: 14,000 kg/h @ 9 Bars

Chilled water: 760 TR/h

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



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Textufil I, II, & III

**Fuel:**

Heavy fuel oil - 480 cst @ 50C°

**Generator:**

3 phase synchronous generator  
2 x 4,375 kVA and 3 x 9,600 kVA,  
13.8 kV, 60 Hertz

**Distribution & Control:**

23 kV Switchgear, 440 V MCC,  
SCADA control and monitoring

**Waste Heat Boilers:**

Steam boilers, 14,000 kg/h @ 9 Bars

**Chilled Water:**

Chillers 760 TR/h

**Turnkey Responsibility:**

Energy International

**Erection/Civil Works:**

HMV / Energy International

**Commenced Operations:**

Phase I 7 MW March, 1999  
Phase II 14 MW December, 2000  
Phase III 7MW February, 2002

**Operation & Maintenance:**

Ten year O&M contract with Energy International .



## Customer Benefits

### Increased power quality and reliability

Power from the existing grid was unreliable. With the help of Energy International, Textufil installed generator sets to produce and control its own power supply.

### Cost effective power

Cogeneration allowed for a more efficient power production per kilowatt hour, enabling Textufil to produce energy in a more cost effective way.

### Textufil has become an Independent Power Producer (IPP)

Because Textufil is located in an industrial zone with an unreliable power grid, it was able to sell its excess capacity back to the grid. Textufil's power generation is so reliable and cost effective that it has become an Independent Power Producer, enabling it to become one of its most profitable services.

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