


# ENERGY

## anytime...

**Complete solutions for power generation**



<b>Owner:</b>	 Textufil S.A. de C.V.
<b>Contractor:</b>	Energy International Corp.
<b>Engines:</b>	2 x Cat® 8CM32 and 3 x Cat®16CM32C manufactured in Kiel, Germany
<b>Location:</b>	Soyapango, San Salvador, El Salvador
<b>Application:</b>	Cogeneration for industrial consumer and energy sales.
<b>Technical Data:</b>	Mechanical output: 2 x 3,500 kW and 3 x 7,450 kW Steam heating: 14,000 kg/h @ 9 Bars Chilled water: 760 TR/h



Cat and Caterpillar are registered trademarks of Caterpillar Inc.



## 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:

Energy International, HMV

### 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.