


# ENERGY

## anytime...

**Complete solutions for power generation**



**Owner:**  Grenlec Queen's Power Plant  
**Contractor:** Energy International Corp., HVM Engineers  
**Engines:** Cat® 16CM32C manufactured in Kiel, Germany  
**Location:** Georgetown, Grenada  
**Application:** Power plant to public utility.  
**Technical Data:** Electrical output: 1 x 7,450 kW





## Grenlec

### Cat® CM Engines:

Phase II: 1 X Cat®16CM32, 16 cylinder in "Vee" arrangement 4 stroke engine rated at 7,450 kW output @ 750 rpm

### Fuel:

Light Fuel Oil (Diesel)

### Generator:

3 phase synchronous generator  
9,310 kVA, 3.3 kV, 50 Hertz

### Switchgear:

High voltage 11kV, medium voltage 3.3 V, low voltage 415 V, control and monitoring system (SCADA)

### Turnkey Responsibility:

Cat®, HMV Engineers

### Erection/Civil Works:

HMV Engineers, Energy International

### Commenced Operations:

Phase II 7.4 MW August 2003



## Client Benefits

### More efficient power generation

By replacing their old high speed generator sets with highly efficient medium speed engines, Grenlec was able to produce power more reliably and efficiently.

### Cost effective power

The new medium speed engines produce power at a lower price per kilowatt hour, allowing more cost effective energy production.