

<b>For Sale:</b>	<b>Exclusive Offer:</b> <b>New 265 MW</b> <b>Siemens Gas Turbine Generator SGT5-4000F</b>
<b>Ref.-No:</b>	<b>GT-441</b>

## Brief plant history:

This gas turbine generator plant was delivered in 2011 for a project in Europe which did not materialize. It was never installed (zero-hour fired) and is currently preserved/stored as per OEM instructions. The plant is professionally packed and ready for sea shipment within 1 week from order. OEM warranty can be re-validated at extra cost. Full service support will be available.

## Technical Information related to the Siemens Gas Turbine and Generator package

Gross ISO Power Output	265	MW
Gross Heat Rate	9222	KJ/KWh
Exhaust temperature	575	°C
Exhaust mass flow	661	Kg/s
Pressure ratio	18.2	
Fuel	Natural Gas	
GT Generator rated power	328	MVA
GT Generator voltage level	20	KV
Grid frequency	50	Hz
Manufacturer	Siemens AG	
Year of manufacture	2010	

## Scope of Delivery:

**One (1) Complete GTG Package Siemens SGT5-4000F with its auxiliaries:**

### Gas Turbine Systems

- Gas fuel package
- Lubrication oil system with lube oil tank
- Hydraulic clearance optimization (HCO) package
- Hydraulic oil package for control system
- Gas turbine specific equipment:
  - Fuel gas flow metering for performance test only
  - Advance compressor cleaning system (ACCS)

- Set of tools for initial assembly and inspection
- Set of major inspection tools and a set of standard tools
- Air intake system
- Exhaust gas system
- Noise enclosure
- Ventilation system for gas turbine enclosure
- CO2 Firefighting system
- Siemens Control system

#### Fuel Supply System

- 2 Dust-liquid separator
- Consumption metering system
- Two efficiency heater U-Tube bundle with trapped tube plate, carbon steel 10" (DN250) ANSI
- Dust-liquid separator
- Condensate tank horizontal with two saddles 2,000l, double wall
- Final filter vertical, single stage, cellulose cartridge
- 5 shut-off valve, pneumatic actuated, ball valve, flanged 10" (DN250) ANSI 300
- Pneumatic actuator single action, spring return 10" (DN250) ANSI 300 without control unit, without reducing unit, without venting unit, without solenoid valves, etc.

#### Low Voltage Switchgear

- AC switchgear
- DC switchgear
- Battery
- Battery Charger
- DC-DC Converter
- Inverter

#### Air Cooled Generator Type SGen5-1000A

- Rating: 328 MVA
- Voltage: 20 KV
- Frequency: 50 Hz.
- SCR: 0.50
- Speed: 3000 rpm.
- Power Factor: 0.85
- Coolant: TEWAC

