



# CTG

The Camelot Technologies  
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## **August 2013 Edition – CTG MONTHLY SURPLUS UPDATE ('MSU')** *The Energy Industry's Most Reliable and Comprehensive Inventory Guide for New, Used and Refurbished Power Generation Equipment*

Please visit [www.Camelottech.com](http://www.Camelottech.com) for the latest in surplus power generating equipment listings, energy industry conferences, educational seminars and unique career opportunities. We continue to look forward to servicing the energy industry and your power procurement requirements. Thank you!

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### FEATURED EQUIPMENT



ITEM# CTG~GTN-0129

#### **One (1) X 47MW 50 Hz. GE LM5000 STIG Combined Cycle Plant:**

Immediately available: Complete GTG Package consisting of one 47MW GE LM5000 STIG combined cycle power plant with auxiliaries.

**Brand:** GE

**Output Capacity:** 31.4MW

**Cycles:** 50 Hz

**FUEL:** Natural Gas

Gas Turbine Brand - GE

GT Manufacturer - GE

GT Model Type - LM5000

Date of Manufacture - 2004

Control Equipment - Siemens PCS7

**PRICE: Call For Pricing**



**ITEM#CTG~GT2F-0414**

**FIVE (5) x NEW SIEMENS SGT-400 MOBILE GAS TURBINES RATED 12.9 MW 60 HZ / 13.8 kV:**

Immediately available: Five new Siemens SGT-400 mobile gas turbine packages rated at 12.9 MW (ISO) ready for immediate sale and delivery. These are 60 Hz, 13.8 kV generator units specially designed as trailer-mounted, transportable units. The units are dual-fueled (gas, liquid) with Dry Low Emission (DLE) combustors. Each unit has an off-skid electrical/control module, with switchgear and PC for local unit control. The units are designed with black-start provisions (diesel genset optional). The units can be driven to site, secured to foundation, connected to fuel and substation and be ready for commissioning in a short period. These units are suitable for emergency, construction, camp power or any quick delivery need.

**Brand:** SIEMENS  
**Output Capacity:** 12.9MW  
**Cycles:** 60Hz  
**CONDITION:** NEW  
**FUEL** DUAL FUELED

**PRICE: Call For Pricing**



**ITEM# CTG~GTN-0128**

**One (1) X 37MW 60 Hz. GE Frame 6B Gas Turbine Generator::**

Immediately available:

Complete GTG Package consisting of one 37.4MW GE Frame 6B combustion turbine generator PG6551B and auxiliaries.

**Brand:** GE  
**Output Capacity:** 37.4MW  
**Cycles:** 60Hz  
**Condition:** Used  
**Voltage:** 13.3kV  
**Fuel Type:** Natural Gas

**PRICE: Call For Pricing**



ITEM#CTG~SPT-1063

**4.7MW Solar T60 CHP Plant - 50HZ:**

SCOPE OF SUPPLY:

1. TURBINE AND WASTE HEAT BOILER
2. TURBINE COMPRESSOR
3. 6300 KVA TRANSFORMER
4. 6300 KVA TRANSFORMER BREAKER
5. TURBINE AND BREAKER CONTROL BOARD
6. CHIMNEY AND WATER PUMPS

GAS TURBINE DRIVER

Maker : Solar Turbines  
Model : Taurus 60  
Year : 1996  
Output : 4,700KW  
Fuel : Dual (Natural Gas and Diesel)  
Emissions Control: Water Injection

**PRICE: Call For Pricing**



**DIESEL GENERATORS**



ITEM# CTG~DGD-0285

**NINE (9) x 12,750KW WARTSILA 9TM620 POWER PLANT (114.75MW):** Wartsila Diesel. Model: 9TM620 12,750 kW each x 9 Sets. Manufactured in 1994. 114.75MW. 18 cylinder, 50 Hz, 428rpm output speed. Alternator Type: HSG 1600 S14. Manufactured 1993-1995, 50 Hz, 815 A, 11 kV. Rated Power: 15537KVA, Output Voltage: 11,000V. Already Run Hours: 21573 - 27907 hrs. Power plant running period 1994 - 2008. Current Condition: Cold Stand-by.

**PRICE: Call For Pricing**



ITEM# CTG~DGD-0284

**ONE (1) x 17MW WARTSILA 18V46 50HZ 500RPM GENERATOR:** The engine (type18v46) has been produced by Wartsila, one of the leading engine suppliers in the world. Can be fuelled with both traditional fossil fuels (such as diesel, heavy fuel oils and emulsified fuels), as well as straight vegetable oils (such as palm oil, coconut oil, rapeseed oil etc.). Originally purchased to produce electricity using vegetable oils.

**PRICE: Call For Pricing**



**ITEM# CTG~DGD-0274**

**ONE (1) x 1500KW EMD 12-645-E4 INDUSTRIAL ENCLOSED**

**GEN-SET:** ID # M-892. 1 x EMD 12-645-E4 industrial enclosed gen-set. 1974 model with very low hours. Ideal Electric generator. 1500Kw, 480v, 900RPM 3 phase, 60hz. Ex hospital back up unit.

**PRICE: \$475,000 USD**



**ITEM # CTG~DGN-5010**

**ONE (1) X 3 MW USED NATURAL GAS GENSET PLANT:**

This power plant is made up of four (4) Simpover enclosed natural gas gensets. Two (2) 1.1 MW Cooper Superior 2408GTL units and two (2) 500 kW Mitsubishi GS1A2-PTK units. Switchgear and controls included.

**PRICE: \$750,000 US**



**ITEM # CTG~DGD-0235**

**7 MW COLT-PIELSTICK DIESEL GENERATOR PACKAGE:**

CTG is offering one Used 7 MW (9630 HP) Colt-Pielstick Diesel Generator Package. The unit was installed in 1976 and has 66,603 hours of operation. Generator: 514 RPM, 2400/4160 V, 60 Hz.

**PRICE: \$775,000 US**



**ITEM # CTG~DGD-0242**

**ONE (1) x 2 MW NEW CUMMINS DIESEL GENERATOR SET:**

This unit is a 16-cylinder, 4 cycle, 900 RPM turbo charged and low-temperature after-cooled diesel engine with a brushless, 4-pole, revolving field generator, 3/60/277/480V.

**PRICE: \$525,000 US**

**BIOMASS POWER PLANTS**



**ITEM # CTG~BMP-0401**

**ONE (1) X 4.4MW/60HZ BIOMASS POWER PLANT:** This unit is in good condition. Brushless AC Generator, Ideal SAB Type, FRAME: 21320-34.5. 4500 KW, 60 Hz. Brushless Exciter, FRAME: BE-14-13, TYPE: FRBA. 750 PSI Superheated system, 60,000 pounds per hour, Biomass Fuel. PGG Steam Turbine.

**PRICE: \$1.5 MM US**

## COAL FIRED PLANTS



**ITEM # CTG~CFP-5001**

**ONE (1) x 350 MW COAL FIRED POWER PLANT:** The turbine generator is a totally enclosed, hydrogen cooled, 20 kV, 60 Hz, 3600 rpm, synchronous machine. The turbine shall be tandem compound type, 3600 rpm, and the turbine will consist of the high pressure turbine, intermediate pressure turbine, low pressure turbine, condensing unit and 7 (seven) uncontrolled steam extractions for heating of feed water.

**PRICE: Call For Pricing**

## GAS TURBINES



**ITEM# CTG~GT2F-0414**

**EIGHT (8) x NEW 12.9 MW 60 HZ / 13.8 kV SIEMENS SGT-400 MOBILE GAS TURBINES:** Eight new Siemens SGT-400 mobile gas turbine packages, 12.9 MW ea. (ISO) ready for immediate sale and delivery. 60 Hz, 13.8 kV generator units specially designed as trailer-mounted, transportable units. The units are dual-fueled (gas, liquid) with Dry Low Emission (DLE) combustors. These units are suitable for emergency, construction, camp power or any quick delivery need.

**PRICE: Call For Pricing**



**ITEM# CTG~GTD-0721**

**TWO (2) x 2.5 MW ALLISON 501 KB TURBINE, LIQUID FUEL:** Rated Capacity: 2,500 KW. Liquid Fuel. Turbine Speed: 13,900 RPM. Start System: Detroit Diesel Mdl. 50437001. Built in 1978. Last Overhauled in 2004. Total Operation 13,973 & 13,391.

**PRICE: Call For Pricing**



**ITEM# CTG~GTN-0125**

**ONE (1) x 39,780 KW GEC ALSTHOM GAS TURBINE GENERATOR:** Natural Gas, 3/50/11kv, 1993. Outdoor Enclosed. Gas Turbine Skid, Inlet Air Filter with Silencer, Exhaust Plenum (For Side Exhaust), Gas Fuel Skid, Lube Oil Coolers, Lube Oil Vent Mist Separator, Air Cooled Generator, Speed Reducing Load Gear, Mark IV Controls, Generator Breaker, Protection and Control System.

**PRICE: Call For Pricing**

**ITEM# CTG~SPT-1051**



**TWO (2) x SOLAR MARS 90s T 10000 COMBUSTION TURBINE GENERATOR SETS:** These units were originally purchased by the US Government and used as backup generators. Both units installed at same time and well maintained. They were built in approximately 1979 with the controls upgraded in the early 1990's.

**PRICE: Call For Pricing**



**ITEM# CTG~GTG-0809-01,02,03 & 04**

**FOUR (4) X GE 7FA 60 Hz. COMBUSTION GAS TURBINE GENERATOR SETS:** New Surplus OEM Pkgd units. Model 7241 - Nominal 171 MW Output. 211 MVA 7FH2 Generator 60 Hz with Hydrogen Cooling. Maintained and preserved per OEM guide lines. Generators protected with internal heaters. Natural Gas only. Dry Low NOx combustion system with inlet heating.

**PRICE: Call For Pricing**



**ITEM# CTG~SPT-1047**

**THREE (3) x 5.2MW, 50 Hz SOLAR TAURUS 60 GAS TURBINE GEN SET PKG:** From 2001- 2005 at a landfill site, taken out of service, stored inside building 2006-2009 disassembled and moved in 2009 to present site and inspected by Solar. Low 500 BTU gas, natural gas convert to oil, 3/60/4160V, 2001.

**PRICE: Call For Pricing**



**ITEM# CTG~GT2-0403**

**ONE (1) 3.9 MW VIKING GAS TURBINE GENERATOR PLANT:** The Power Plant is comprised of three Viking Gas Turbines, KG2-3C models. Units are currently set up for natural gas but can be converted to liquid fuel. Site consists of three turbine containers and inlet containers and a control room container. 500 hours run time since new. Units are currently in storage.

**PRICE: Call For Pricing**



**ITEM# CTG~GTD-0712**

**ONE (1) X 6 MW, 60HZ VIKING TURBINE POWER PLANT:** The Power Plant is comprised of four Viking Gas Turbines. The turbines, one model KG2-3C and three model KG2-3A machines are currently upgraded to KG2-3C technology and firing status. These four gas turbine generators have been inspected, repaired and upgraded to allow for continued operation at higher firing temperatures.

**PRICE: \$2.5 MM US**



**ITEM# CTG~GTDF-0377**

**3500 KW ALLISON 501-KB5 GAS TURBINE GENERATING**

**PLANT:** Plant is disassembled and in dry storage. Package includes Allison 501-KB5 Gas Turbine (3925 kW, 14,200 RPM), MAAG Type PF3-26 epicyclical gear box, 3500kW GE Generator Type ATI (1800 RPM, 4160V, 607A), water wash system, Halon fire control, hydraulic reserve, oil cooler, controls and external accessories.

**PRICE: \$775,000 US**



**ITEM# CTG~GT2F-0306**

**ONE (1) 42 MW GE LM6000PA DUAL FUEL GAS TURBINE**

**GENERATOR SET:** CTG is Currently offering One (1) 42 Mw GE LM 6000PA Dual Fuel Gas Turbine Generating Set. Currently fired on Natural Gas, 11,000 total hours, 2800 since major overhaul. 50 Hz. Single Cycle, includes balance of Plant.

**PRICE: \$7.5 MM US**



**ITEM# CTG~GTD-0716**

**ONE (1) x 13.5 - 15.1MW GE 5001 LA GAS TURBINE**

**GENERATOR UNIT:** 3/60/13,800 volt #2 oil, convertible to Dual Fuel. Manufactured in 1967 and placed in standby in 1969, with 1,840 total fired lifetime hours and 1,089 starts. Presently operates on fuel oil #2 or can burn lighter distillates, but can be converted to natural gas or dual fuel.

**PRICE: Call For Pricing**



**ITEM# CTG~SPT-1034**

**ONE (1) x SOLAR CENTAUR 50 CHP PLANT:** Plant erected in 1992 and moved/overhauled in 1988. Turbine replaced with zero-hour unit in 2004. Turbine has 29,000 operating hours. Leroy-Somer generator overhauled in 2004 and new bearings were installed.

**PRICE: \$875,000 US**

**HEAVY FUEL OIL POWER PLANTS**



**ITEM# CTG~HFP-0110**

**THREE (3) x NIIGATA 5MW 60HZ POWER PLANTS:** Three Niigata 5MW Power Plants. Model 16V32CX. 60 Hz / 720 RPM / 3450 V. HFO fuel. Toshiba generators. Units stopped in 2009 and 2010.

**PRICE: \$1.48 MM USD EACH**



**ITEM# CTG~HFP-0107**

**SIX (6) x 3.8 Mw 60 Hz. WARTSILA 8L32 RECIPROCATING**

**ENGINES:** CTG is offering these six units as a complete power plant operating on heavy fuel oil @ (720 rpm, HFO) TOTAL OUTPUT = 22 Mw. The units are in excellent condition. There are six main generators 3AC. 2 Fuel Oil Systems for 3 x Wartsila 8L32. 2 Feeder/Booster units. 2 Overflow valve (HFO/MDF).

**PRICE: Call For Pricing**



**ITEM# CTG~HFP-0108**

**TWO (2) X 5MW/50HZ NIIGATA HEAVY FUEL OIL POWER**

**PLANT:** The plant is well maintained and in excellent condition. The plant is still installed on the same foundation for the inspection of potential clients. Since service was stopped, the equipment has been lubricated in turning by an attached turning gear.

**PRICE: \$1.5 MM US**



**ITEM# CTG~HFP-0109**

**ONE (1) USED 8MW NIIGATA HFO POWER PLANT:**

This power plant system is available immediately for sale and consists of a 3MW (Niigata 12V32CX) + 5MW (Niigata 18V32CX) with electro-mechanical auxiliary equipment.

**PRICE: \$1.35 MM US**

**STEAM TURBINES**



**ITEM# CTG~STNC-2029**

**ONE (1) X 13MW BACKPRESSURE STEAM TURBINE**

**GENERATOR SET:** 1964 Brown Boveri Steam Turbine 13MW Back Pressure, just taken offline in Sept 2008, 325,396 running hours, well maintained.

**PRICE: \$950,000 US**



**ITEM# CTG~STC-0241**

**TWO (2) x 33 MW / 60 Hz GE STEAM TURBINE**

**GENERATORS:** CTG is offering Two (2) x 33 MW General Electric 60 Hz Steam Turbine Generators. Units are of the same design; Single Flow Condensing Steam Turbine with Hydrogen Cooled Generators. Both sets are installed on an outdoor pedestal arrangement. Sold As is / Where is.

**PRICE: Call For Pricing**





**ITEM# CTG~STC-0242**

**TWO (2) x 44 MW / 60 Hz GE STEAM TURBINE**

**GENERATORS:** CTG is offering Two (2) x 44 MW General Electric 60 Hz Steam Turbine Generators for immediate sale. Units are of the same design; Double Flow LP Condensing Steam Turbines with Hydrogen Cooled Generators. Both units are installed end to end on an outdoor pedestal arrangement. Sold As is/ Where is.

**PRICE: Call For Pricing**



**ITEM# CTG~STNC-2026**

**ONE (1) x 45MW GE NON-CONDENSING EXTRACTION**

**STEAM TURBINE GENSET:** 1305 psig inlet pressure at 935 degrees F with 700,000lb/hr flow. Extraction of 310 psig and 650,000lb/hr. Exhaust pressure 55 psig and 500,000lb/hr. Unit manufactured in 1983 and taken out of service in 2003 and on turning gear. Unit sold As Is/Where Is. Buyer removes.

**PRICE: \$3.5 MM US**



**ITEM# CTG~STG-2032**

**ONE (1) x 75MW GE STEAM TURBINE GENERATOR SET:**

GE steam turbine generator unit with inlet steam conditions of 1450 PSIG at 1000 deg F, and a 3.5 in. Hg exhaust pressure. 525,000 lbs/hr max high pressure steam output. 1,510 PSI @ 1,005 deg F at Superheater Outlet. The 3600 RPM unit is connected to a 96,000 KVA (4016/866 amp) 13.8 kV, 3 Phase 60Hz Generator. The unit is well maintained and ready for disassembly. Plant decommissioned in 2004.

**PRICE: \$4.5 MM US**



**ITEM# CTG~STNC-2025**

**ONE (1) x 2.5MW BLOHM + VOSS NON-CONDENSING**

**STEAM TURBINE GENERATOR SET:** This 1994 complete unit consists of a back pressure steam turbine, gearbox and alternator which are located on a common frame made of steel structure. Scope includes complete control and electrical panels. Available with all reducing valves, safety valves, manifold. P/T live steam: 60 bara / 480 C. Capacity: 22 mt/hr.

**PRICE: \$456,000 US**



**ITEM# CTG~STC-2037**

**ONE (1) x 36 MW EKM 50Hz STEAM TURBINE GENERATOR**

**SET WITH DIRECT HEATED KETTLE:** Type T 25-90. Manufactured in 1972 with 160,000 total working hours. Decommissioned and stored since 1998. Unit comes complete with controls, manuals, ventilators, etc. Efficiency : 92%. Equipment Is In Excellent Condition.

**PRICE: Call For Pricing**

## ELECTRICAL GENERATORS



ITEM # CTG~EG-6114

**ONE (1) X NEW SURPLUS TOSHIBA 7FH2 GENERATOR**

**END:** This is a 2002 new surplus Toshiba 234 MVA generator end that has been stored in a warehouse and has heating elements installed. 234,000 KVA, 60 Hz, 0.85 PF, 18 KV, 3600 RPM. Designed for use with a GE 7FA+e 7241 Combustion Turbine.

**PRICE: Call For Pricing**

## TRANSFORMERS



ITEM # CTG~TR-1008

**UNUSED NIAGRA GSU TRANSFORMER:** CTG is currently offering an unused Niagara 5000/7000KVA, 22900v Delta - 4160Y/2400v, Oil-filled GSU Transformer. 3 Phase, 60 Hz. Class ONAN/ONAF. Unit sold As Is/Where Is.

**PRICE: Call For Pricing**



ITEM # CTG~TR-1009

**UNUSED SQUARE-D GSU TRANSFORMER:** CTG is currently offering an unused Square-D 3000/4000KVA, 3-Phase/60Hz, Indoor Dry Type transformer, 12470v delta - 480Y/277v, Oil-filled GSU Transformer. Unit sold As Is/Where Is.

**PRICE: Call For Pricing**

## TURBINE STACKS



(Representative Image)

ITEM # CTG~STK-1001

**NEW SURPLUS GE FRAME 7EA EXHAUST STACK:** One (1) unused new surplus GE Frame 7EA exhaust stack in excellent condition. Year Manufactured: 2002, Dimensions: 692" L x 228" W x 672" H

**PRICE: Call For Pricing**

mission is to offer buyers and sellers a dynamic and fluid exchange of high quality, new, refurbished and decommissioned utility equipment. CTG also offers appraisal and valuation, project management, technical engineering, construction and procurement services to its clients, as the leading and fully integrated enterprise solution provider to the energy industry. We are the world's leading aggregator and supplier of new, used and refurbished power generation surplus equipment for fossil fuel, steam and renewable energy power plants. This MSU report highlights only a small sampling of the major electrical equipment and components representative of CTG's inventory.

For More Information or to Schedule an Immediate Inspection Please Contact Us at:

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