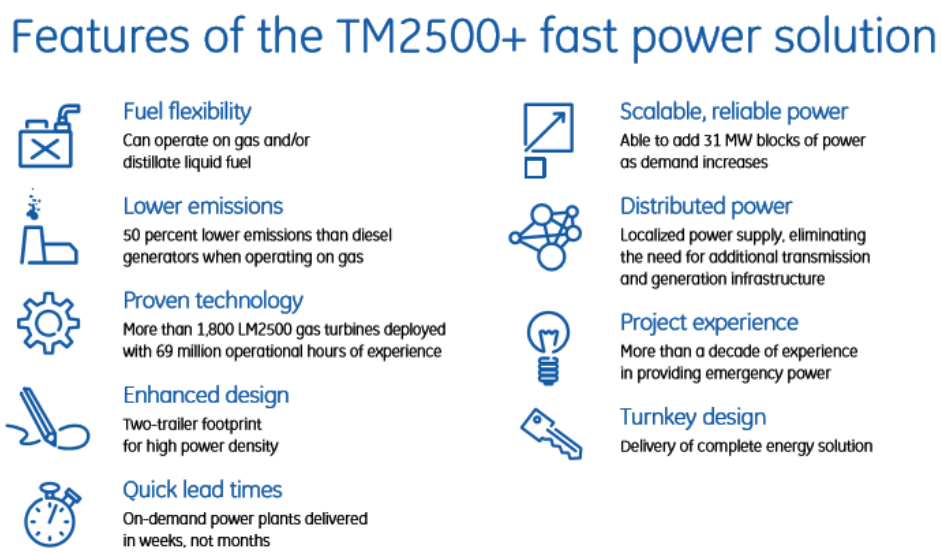
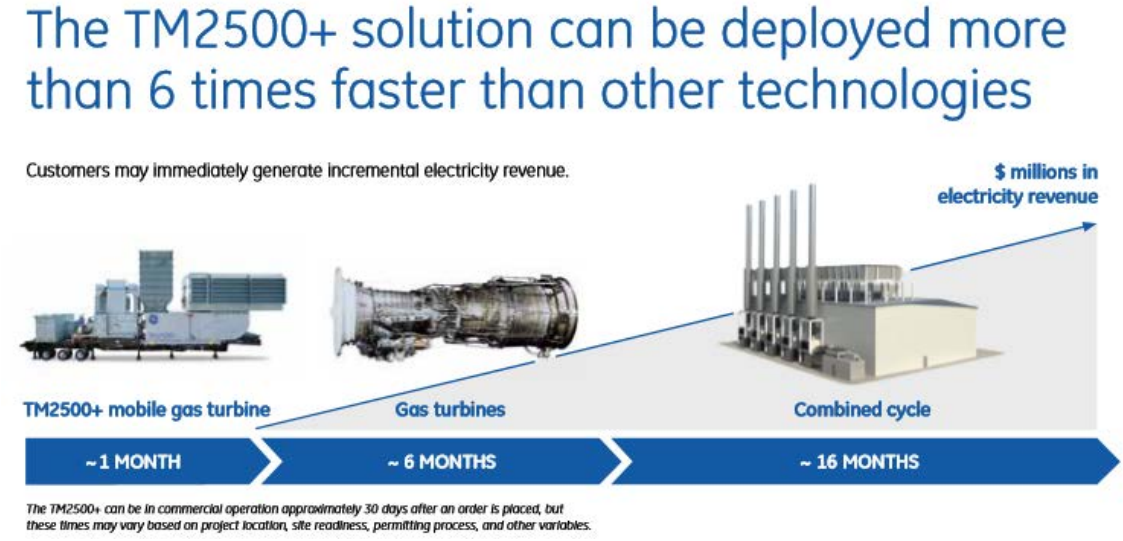
For Sale
Exclusive Offer

THREE (3) NEW SURPLUS
GE TM2500+ MOBILE GAS TURBINE
GENERATOR PACKAGES
DUAL FUEL 50/60HZ

I. EQUIPMENT OFFERING – AVAILABLE IMMEDIATELY

3 New and Unused GE TM2500+ mobile gas turbine power plants available for immediate sale and delivery. The TM2500+ fast power solution harnesses the highly successful LM2500 aeroderivative gas turbine with more than 2,000 units deployed worldwide and almost 70 million hours of operation. These technologies enable industrial businesses, developing communities and governments to meet their energy needs by positioning power at, or near, the point of use. More importantly, this fast power solution enables governments, utilities and businesses around the world to fulfill their generation requirements within days. ***Because of their modular concept, fast installation features and quick production schedules, these units typically can be ready to enter commercial operation approximately 30 days after your order is placed.*** This requires access to an existing substation, or if required, we can provide a skid mounted substation for fast installation, that can be delivered within 10-12 weeks of order, or faster when in inventory.



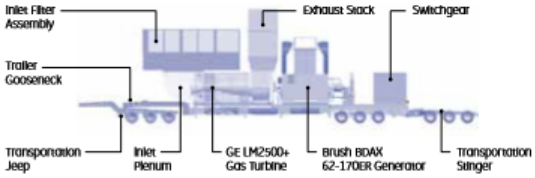


The TM2500+ solution can solve a number of industry challenges. These include difficult access to the electric grid, an unstable grid, emergencies and natural disasters, rapid demand growth such as large construction projects as well as escalating electricity prices and seasonal shortages.

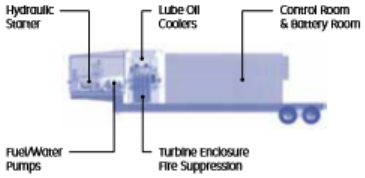
	The Challenge	Description	Potential Industries	TM2500+ as a solution
	Limited or no access to the electric grid	Cases with challenging access to the electric grid include: • Lack of robust transmission and distribution network • Delayed grid access • Remote, islanded and mobile operations	Oil and Gas Mining General industry Power generation	**Speed, Mobility, and Reliability** Can deliver power where and when it is needed and bring power online within 10 minutes to stabilize the grid
	Rapid energy demand growth	High and rapid demand for electricity in cases with restricted power availability such as new, large off-grid construction projects	Government Utilities General industry	**Speed, Reliability** Can fulfill power demand in the face of growing needs in a fast and reliable way
	Lengthy buildout of electricity generation infrastructure	Construction lead times on new generation facilities as well as unanticipated delays, meaning pressing electricity needs are not met	Government Utilities General industry	**Speed, Reliability** Can bridge power until new facilities are completed and go online
	Escalating electricity prices	Escalating electricity rates during seasonal or peak periods requiring technologies that enable peak shaving	Government Utilities General industry	**Fuel flexibility** Can be used as a peak shaving application to help transition off the grid during seasonal or peak periods
	Natural disaster & emergencies	Cases of emergency where power generation sources are impacted and direly needed	Government Utilities	**Speed, Mobility** Can provide emergency power in a fast, reliable and mobile way
	Flare gas	Natural gas flared in oil fields leading to billions of dollars wasted and millions of tons of greenhouse gas emissions	Oil and Gas	**Fuel flexibility, Mobility** Can help monetize gas flaring for power generation and help reduce diesel consumption

Performance you can count on for mobile Power

TM2500+ General Arrangement



Auxiliary Trailer



Model	Water Injection (NOx = 25 ppmvd @15% O2)	Output (MW)	Heat Rate (Btu/kWh)	Heat Rate (kJ/kWh)	Efficiency (%)	Pressure Ratio	Power Turbine Speed (RPM)	Exhaust Flow (lb/sec)	Exhaust Flow (kg/sec)	Exhaust Temp (F)	Exhaust Temp (C)
60 Hz											
TM2500+	None	30.688	8830	9316	39	22.5	3600	192.2	87.2	959.1	515
TM2500+	Yes	30.988	9285	9796	37	22.8	3600	196.6	89.2	906.0	485.6
50 Hz											
TM2500+	None	26.190	9246	9755	37	21.2	3000	184.5	83.7	925.0	496.1
TM2500+	Yes	26.190	9705	10239	35	21.3	3000	187.2	84.9	879.0	470.6

**The performance data shown above is at standard ISO (International Organization for Standardization) conditions. The ISO has defined the following standard conditions for comparing gas turbine engines Ambient air: 59°F/15°C, 60% RH; Barometric pressure (14.696 psia / 101.4 kPa); Sea level altitude. 60 Hz based on a Brush air-cooled generator w/brushless excitation @ 0.90 PF; 59°F/15°C cooling air; 13.8 kV (50 Hz @ 11.5 kV)*

The TM2500+ is proven to effectively operate on numerous fuels and this equipment is pre-configured to operate on Natural Gas Fuel, #2 Diesel, Kerosene and Jet Fuel. With an optional retrofit kit, the units can run on Naptha, Pentane, LPG, and Alcohol.

SCOPE OF SUPPLY

Three (3) NEW AND UNUSED TM2500+ Mobile Gas Turbine Generator Sets
Each TM2500+ consists of two trailers and auxiliary equipment. The trailers include the main trailer and auxiliary trailer. The inlet air filter assembly and exhaust duct assembly ship loose, and are assembled onto the main trailer during commissioning.

MAIN TRAILER – CONSISTING OF THE FOLLOWING COMPONENTS:

Main Trailer and Jeep
A seven-axle, air ride suspension trailer (3+4) and a 3-axle jeep are used to transport the main trailer components. The trailer and jeep combination is approximately 108' (32.9m) long (less tractor) during transport and weighs approximately 210,000 pounds (95,254 kg) fully loaded. Ten landing legs are provided to support and level the equipment at the jobsite.

Gas Turbine
The gas turbine is a General Electric LM2500 PKMDW model ISO rated for continuous duty and configured for operation on either natural gas or liquid fuel. Each is configured for optional water injection for NOx reduction, if required. The engine is shock mounted for shipping and shipped in position, except for the coupling spacer, which is installed during commissioning.

Fuel System – Dual Fuel Configuration
Natural Gas fuel system using an electronically controlled fuel-metering valve. For full-load operation, the gaseous fuel must be supplied to the Auxiliary Trailer skid connection at: 320 MMBtu/hr Max; 180 °F [82 ° C]; Max; 520 +/- 20 PSIG (3,585 +/- 138 kPaG); and filtered to 5 or less Microns.

Liquid fuel system; Typical liquid fuels include DF1, DF2, or JP4. For full-load operation, buyer must supply liquid fuel to the connection at the Auxiliary Trailer Skid at 40 GPM (151.4 L/min], 30 ± 10 PSIG (207 ± 69 kPaG], filtered to 5 Microns and at least 20°F (11°C) above the wax point temperature.

All necessary shutoff valves, flow meter, piping and instruments between the Auxiliary Trailer Skid connection and the engine are included. Buyer must provide supply piping with sampling ports, fuel system filtration and applicable shut-off valves and containment per local codes and standards.

Water Injection System
Capable of water injection for NOx reduction. For full-load operation, the demineralized water must be supplied to the Auxiliary Trailer Skid connection at 28 GPM (106 L/min], 15 PSIG (103 kPaG] Minimum, 40 to 140 °F (4 to 60 °C) filtered to 10 Microns. The buyer must provide demineralized water that is clean, filtered and compliant with General Electric specification MID-TD-0000-3.

Switchgear
Supplied with a 3 section NEMA 3R switchgear enclosure, including a set of generator circuit breaker equipment, 2 sets of incoming line voltage monitoring equipment, a marshaling cabinet and a set of switchgear accessories. Permanent cable terminations from the neutral and line-side of the generator are also included.

AUXILIARY TRAILER SKID

The Auxiliary Trailer Skid includes fuel and water injection system components not mounted on the main trailer. The pumps, filters and necessary instrumentation are connected to the main trailer components at site with interconnect hoses. The Auxiliary Trailer Skid also includes the hydraulic start system and water wash system described below.

Electro-Hydraulic Start System
Supplied with a hydraulic starting system, which includes an electric motor driven hydraulic pump assembly, filters, and a fin/fan heat exchanger mounted on the auxiliary equipment module. A hydraulic motor is also mounted on the gas turbine accessory gearbox to turn the gas generator shaft. All piping and fittings on the base plates, plus hydraulic connections between the auxiliary equipment module and the main base plate are also furnished.

"Off Line" Soak Wash System
An "off-line" cleaning system, with a water wash reservoir and all necessary filters and instrumentation supplied.

Fire Protection System
Installed fire protection system complete with hydrocarbon sensing and thermal detectors, piping and nozzles in the engine compartment. The fire protection system includes cylinders containing CO2 mounted on the Auxiliary Trailer. An included 24 VDC battery and charger powers the fire protection system (located in the control house.) All alarms and shutdowns are annunciated at the unit control panel. An alarm sounds at the turbine if the gas detectors detect high gas levels, or if the system is preparing to release the CO2. When activated, the package shuts down, and the primary CO2 cylinder is discharged into the turbine compartment via multiple nozzles, and the ventilation dampers automatically close. After a time-delay and if required, the reserve supply of CO2 is discharged.

Fin Fan Cooler
A 100% redundant dual fan, single core cooler with separate coils for the turbine, generator lube oil and hydraulic oil. The cooler is equipped with all interconnect piping and instrumentation necessary for the three circuits.

Control House
The basic equipment package is supplied with a lighted, insulated 22' (6.7 m) long by 8'-6" (2.6 m) wide control house. The control house is equipped with an access door, air conditioner/heater, and a hand-held fire extinguisher. The control house is used to package the equipment listed below.

Digital Control System
The control system features an integrated electronic fuel management system with a programmable sequencer, vibration monitor, fire system monitor, digital meter, and a digital generator protective relay module. A desktop or laptop PC with separate workstation and chair is provided for HMI control. Alarm and shutdown events are displayed on the HMI automatically. A dedicated 24V DC battery system with power charger is included in the control house.

Generator Protective Relays
The equipment package is supplied with two (2) Integrated Generator Protection System (IGPS) microprocessor-based relay modules, mounted in the turbine control panel. One IGPS is configured for 50Hz and one IGPS is configured for 60Hz. The appropriate IGPS will be selected for use at Site. The IGPS includes all functions necessary for protection of the generator.

Unit Motor Control Center
A freestanding lineup of motor controls for all TM2500+ package motors is supplied. The motor control center is installed in the control house and also includes a 45 kVA lighting and distribution transformer.

Battery and Charger System
The equipment package is supplied with a 24 VDC NiCad battery system for control power and fire system and charger for each. In addition, a 125 VDC NiCad battery system with charger is supplied for the generator lube pump. The 125VDC battery charger has a selector switch to receive power from either the MCC or an external generator to charge the batteries. The battery systems are fully wired and mounted in racks and are installed in the control house along with the wall-mounted chargers.

Gas Turbine Air Filter Assembly
The air filter is approximately 27' (8.2 m) long and 10'-11" (3.33 m) wide and weighs approximately 20,000 pounds (9072 kg) fully loaded. The air filter is equipped with a two-stage filtration system for both ventilation and combustion air with panel type pre-filters housed in hinged doors and high efficiency barrier filters. The air filter includes weather hoods installed in front of the filtration system and inlet silencers. An inlet plenum with hatch is provided for access to the FOD screen for maintenance. Ventilation fans for the turbine enclosure are installed in the air filter assembly. Two 50% fans and a bypass damper are installed. All the items listed are housed in the filter house that is complete with an access door for maintenance, separate air paths and turning vanes and the necessary instrumentation. For connection to the Main Trailer, the air filter is hard mounted directly on top of the combustion and ventilation inlet plenum.

WARRANTY AND PRICE

All purchase sale negotiations shall be directly with Cratos. The subject surplus NEW equipment is listed for sale with all OEM technical specifications, the OEM and original owner's commercial terms and all preservation/maintenance storage records.

Warranty

- Equipment is in storage and preservation under GE agreement and supervision. Equipment comes with OEM warranty through June 2018 subject to OEM approval.

Price

- **$14,500,000.00 USD/Unit**

Availability

- Equipment is available for immediate delivery
    - Unit 1 – SN XXXXXXX; Original RTS Date: 2014
    - Unit 2 – SN XXXXXXX; Original RTS Date: 2014
    - Unit 3 – SN XXXXXXX; Original RTS Date: 2014

Payment Terms

- Bank Letter Confirmation of Funds
- Non-refundable Cash Deposit (prior to inspection – and sale agreement), into Escrow Account
- Execution of Cratos Equipment Purchase Sale Agreement (EPSA)
- 25% due at EPSA execution, into Escrow Account
- Equipment Balance Due Prior to Removal and load out.