SIEMENS SGT-300-1S Gas Turbine Offer Summery

Five (5) Brand-New, Not Commissioned Gas Turbine Units

- **Subject asset:** 2023; Five (5) Siemens-300-1S gas turbine generatotr sets.
- **Main gas tutbine package:** SGT-300, 8 MW class gas turbine skid
- **Generador model: TFW8-4, 8 MW**
- **Installation:** completion period June 2022 - November 2022
- **Price:** just $7.60 million USD per unit.
  Down from earlier offer of USD 8.5 mil FOB per unit from China

If a sale is successfully completed through our brokerage services, we charge the buyer a brokerage commission of 2.%. (One percent) of the purchase price

We are open to receiving an LOI (Letter of Intent) from a prospective buyer.
Please see the attachment to this email.
#3239



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Siemens Energy SGT-300-1S Gas Turbine Offer Summary

Five (5) Brand-New, Not Commissioned Gas Turbine Units

1. Equipment Overview

Item	Information
Equipment type	Industrial gas turbine units / gas turbine generator package (scope to be confirmed)
Model	Siemens Energy SGT-300-1S
Manufacturer	Siemens Energy
Country of origin	United Kingdom
Quantity available	Five (5) units
Condition stated by seller	Brand new, not yet tested / not commissioned, well maintained / preserved
Factory delivery period	December 2021 - April 2022
Installation completion period	June 2022 - November 2022
Current location	China (to be confirmed by seller)

This offer concerns five Siemens Energy SGT-300-1S gas turbine units. The seller states that the units are brand new, not yet tested or commissioned, and maintained in good condition. Final technical and commercial evaluation requires confirmation of the full scope of supply, OEM documents, preservation records, FAT reports and commissioning support.

2. Main Technical Data - Per Unit

Parameter	Unit	Value
Rated output	kW	7,805
Rated output	MW	7.805
Efficiency	%	30.11
Heat rate	kJ/kWh	11,953
Exhaust gas flow	kg/s	30.02
Exhaust gas temperature	deg C	549.6
Rated speed	rpm	14,045
NOx emissions at 50-100% load	mg/Nm3	30
Exhaust back pressure	mm	50

3. Total Capacity and Operating Estimate

Calculation Item	Formula	Result
Rated output per unit	7,805 kW	7.805 MW
Total rated output for 5 units	7.805 MW x 5	39.025 MW
Fuel thermal input per unit	7.805 MW / 0.3011	approx. 25.92 MWth
Fuel thermal input for 5 units	25.92 MWth x 5	approx. 129.6 MWth
Total exhaust gas flow for 5 units	30.02 kg/s x 5	150.1 kg/s

The five units together represent approximately 39.0 MW of installed gas turbine capacity. The high exhaust temperature of 549.6 deg C per unit may provide potential for waste heat recovery, cogeneration, process heat or CHP applications, subject to detailed engineering.

4. Commercial Interpretation

The proposal is attractive because it combines a recognized OEM, UK-origin units, five identical machines, recent factory delivery dates, and stated zero commercial operating hours. The technical data provided are sufficient for initial screening, but not sufficient for final purchase due diligence.

Strength	Commercial Meaning
Siemens Energy OEM	Recognized industrial gas turbine manufacturer; easier to present to investors and end users.
Five identical units	Useful for phased deployment, redundancy, spare unit strategy, or a multi-unit generation project.
Brand-new / not commissioned status	Potentially low operating wear; condition must be confirmed by records and inspection.
High exhaust temperature	Possible heat recovery value if the project includes CHP or process heat.
NOx stated at 30 mg/Nm3	Useful low-emission indication; formal emissions guarantee still required.

5. Additional Technical Data and Inspection Procedure

If the buyer expresses formal interest, the procedure for physical inspection and the provision of more detailed technical data on the turbines will be discussed and arranged after the seller has reviewed and approved the buyer's Letter of Intent (LOI).

At this stage, the available information is sufficient for preliminary review only. Detailed documents, deeper technical data, inspection arrangements, and access to additional records should be requested and negotiated after LOI approval.

The additional information may include serial numbers, nameplate photos, factory certificates, FAT reports, preservation records, installation records, detailed packing lists, control system documentation, OEM support confirmation, warranty status, missing-parts lists, and site inspection conditions.

6. Site Photographs Provided

The following photographs were extracted from the provided offer document. They are included for visual reference only and do not replace an independent technical inspection.



Photo 1. Exterior view of the installed SGT-300 package / site arrangement.



Photo 2. Open package/enclosure view showing turbine package area.



Photo 3. Internal package view showing gearbox/auxiliary piping area.



Photo 4. Allen Gears nameplate / gearbox area close-up.

7. Short Customer-Facing Summary

The offer concerns five Siemens Energy SGT-300-1S gas turbine units manufactured in the United Kingdom. Each unit has a rated output of 7.805 MW, efficiency of 30.11%, heat rate of 11,953 kJ/kWh, exhaust gas flow of 30.02 kg/s, exhaust gas temperature of 549.6 deg C, rated speed of 14,045 rpm, and stated NOx emissions of 30 mg/Nm3 at 50-100% load. The total rated capacity of the five units is approximately 39.0 MW. The units are described as brand new, not yet tested or commissioned, and well maintained. Factory delivery took place between December 2021 and April 2022, and installation was completed between June 2022 and November 2022. Final evaluation requires confirmation of full scope of supply, OEM documentation, preservation records, FAT reports, commissioning support, warranty status and inspection possibility. In case of formal buyer interest, physical inspection and access to deeper technical documentation should be discussed and arranged after approval of the buyer's LOI.

Appendix A. Detailed Scope of Supply from Cargo List

Source note: The additional cargo list identifies the target assets as five (5) Siemens SGT-300-1S gas turbine generator sets and provides a system-level equipment list. The table below consolidates the included systems into an English customer-facing format.

Item	Confirmed Information
Subject assets	Five (5) Siemens SGT-300-1S gas turbine generator sets
Main gas turbine package	SGT-300, 8 MW class gas turbine skid
Generator model	TFW8-4, 8 MW
Quantity of main packages	5 sets
Control system	PCS7 control system with HMI operator station and distributed I/O panels
Documentation included	Factory certificate, drawings, operation and maintenance manuals

Detailed Equipment List

No.	System	Specification / Included Items	Qty
1	Gas Turbine Skid	SGT-300, 8 MW gas turbine skid.	5 sets
1.1	Base Module	Skid-type carbon steel structure.	5 sets
1.2	Gas Turbine Core Engine	10-stage compressor; 2-stage turbine; 6 DLE burners; annular combustion chamber with ignition plug and flame monitoring; adjustable inlet guide vane; tilting pad thrust bearing; internal fuel piping; cooling and sealing air system; cylinder/chassis; body paint and insulation.	5 sets
1.3	Gearbox	Main reduction gear, auxiliary gear, coupling and monitoring instruments.	5 sets
1.4	Lube Oil System	Main lube oil pump, auxiliary lube oil pump, emergency lube oil pump, oil mist separator, lube oil filters, heater, cooler, temperature/level/pressure monitoring instruments, oil tank and piping.	5 sets
1.5	Start System	Starting motor, hydraulic motor and related items.	5 sets
1.6	Gas Fuel System	Flow control valve, filter, quick shut-off valve, vent/release valve and monitoring instruments.	5 sets
2	Generator	TFW8-4, 8 MW generator, including generator body, air-water cooler, brushless excitation, temperature and vibration monitoring instruments.	5 sets
3	Air Intake System	Rain cover, water mist separator, two-stage static filtration (G4 + F9), inlet duct, silencer, expansion joint, access platform/walkway and monitoring instruments.	5 sets
4	Enclosure and Ventilation System	Outdoor noise reduction enclosure with lighting, ventilation fan, maintenance platform and damper/baffle valve.	5 sets
5	Exhaust System	Exhaust body, insulation, insulated expansion joint and monitoring instruments.	5 sets
6	Fire Fighting System	Temperature sensing probes, flame detectors, infrared combustible gas detectors, CO2 cylinders, nozzles, local cylinder room and connecting piping.	5 sets
7	Compressor Washing Unit	Mobile washing unit with water tank, diaphragm pump, low-pressure water hose and pressure gauge.	2 sets
8	GT Control System	PCS7 control system, HMI operator station, panel-mounted emergency trip button and distributed I/O panels.	5 sets
9	Special Tools	Tools for installation, commissioning and maintenance.	1 set
10	Spare Parts	Spare parts package.	5 sets
11	Drawings and Documentation	Factory certificate, drawings and operation & maintenance manual.	5 sets

Commercial and Technical Implication of the Cargo List

- The bill of materials significantly strengthens the offer by confirming that the package is not limited to gas turbine cores without casings; it includes key auxiliary equipment systems, such as the gearbox, generator, air intake, exhaust system, fire extinguishing system, control systems, tools, spare parts, and documentation.
- The generator is designated as TFW8-4, 8 MW, corresponding to a rated output of 7.805 MW.
- The control system is designated as Siemens PCS7 with HMI and distributed I/O, which is important for commissioning and integration.
- The air intake system includes two-stage G4 + F9 filtration and weather protection; the casing is designed for outdoor installation with sound attenuation and ventilation.
- The bill of materials is subject to approval upon the purchaser's letter of intent. The next step will include serial numbers, data plate photographs, detailed packing lists, curbside records, factory acceptance test reports, missing/damaged parts lists, site inspection conditions, and proof of OEM or authorized service center support..