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For Sale:	Pre-owned 810 MW Combined Cycle Gas Turbine Plant
Ref.-No:	GT-CC-055

Plant Configuration

Plant Type	Combined cycle, 2-2 ⁺ arrangement
Plant Output	810 MW at nominal conditions
Fuel Type	Natural gas
Plant Efficiency el.	50%
YoM	2004
Operating Hrs:	68,000 LTSA OEM maintenance

Gas Turbines

Technology	Siemens V94.3A 2 (SGT5-4000F) Hybrid Ring Combuster
	Rated capacity 265 MW gross
	Rated speed: 3,000rpm
	Average emissions (fired on natural gas) Nox 33.1g/GJ, OO 1.97g/GJ

Gas Turbine Generators

Technology	Siemens TLRI 115/52-30
	Rated output: 16.5KV
	Rated current: 11.057KA
Nominal capacity	2x 316 MVA

HRSG

Technology	Standard Fasel Lentjes (SFL) 2x horizontal modular three pressure system HRSG
	CapacityHP: 260t/hr, IP 320 t/hr, LP 37 t/hr

Steam Turbine

Technology	Alstom, type DKYZZ3-2N4 1B
	High pressure – single flow cylinder
	Nominal capacityRated terminal output= 280 MW

Steam Turbine Generators

Technology	Alstom type 50WY23Z-109 air cooled by TEWAC coolers
Nominal capacity	Rated output = 280MW – 19 KV
Water Cooled Condenser	Vacuum condenser cooled by circulating water through titanic heat exchanger

Other

Cooling Tower	Balke Duerr hybrid coolers, 15 cells, wooden construction
Main Transformer GT	Alstom 16.5/150 KV
Main Transformer ST	Alstom 19.0/150 KV



Further information on request

Important Disclaimer

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