

P.O.Box 130571
20105 Hamburg/Germany

Tel. +49 40 33441944
Fax +49 40 33441945

www.lohrmann.com
info@lohrmann.com

For Sale:	205 MW Pre-owned Combined Cycle Power Plant in “as new” condition
Ref.-No:	GT-CC-054

Brief plant history:

This plant has been supplied and commissioned by Siemens as a turn-key package in 2013. The owner has concluded a LTSA with Siemens which is effective for 15 years and starting from 2013.

The CCGT Power Plant has an CC net efficiency around 54 % and the main equipment is covering 3 units GT's each 47 MWe + 3 HRSG's each 70 t/h steam + 1 STG with 64.5MWe. The operating mode is allowing daily starts and stops.

CCGTPLANTCHARACTERISTICS

Type	CCNGPP
Capacity	205.5 MW
Configuration of the CCNGPP	3GT's+3HRSG's+1 STG
Fuel	Natural Gas (As these SGT800 type GTs are designed for dual-fuel capability , there is the possibility to apply liquid fuel burners by a minor conversion.)
CoolingType	Air Cooled Condensers
CCGT NetEfficiency	54.6% (at ISO Conditions)
COD	2013
Equivalent Operation Hours	GT-1 15.795, GT-2 15.797, GT-3 16.348
Equivalent Cycle Hours	GT-1 843 , GT-2 901, GT-948

CCGT CONFIGURATION

Gas Turbines-1,2 and 3	
Year of Construction	2011-2012
Manufacturer	SIEMENS
Capacity	47MW (each)
Model-Type	SGT-800
Efficiency	37,5%

HRSG's- 1,2 and 3	
Year of Construction	2012
Manufacturer	Aalborg
Capacity	70 t/h (each)
Steam Parameters	HP 73 barg, 540°C LP 7 barg, 270°C

Steam Turbine	
Year of Construction	2012
Manufacturer	SIEMENS
Capacity	64.5MW
Model-Type	SST-900

Generators 11.5 KV	
Generator GT-Manufacturer	SIEMENS
Type	AMS 1250 A LF
Output	48 MVA @ 40°C cooling air
Voltage	11.5 KV – 50 Hz, PF 0.8
Generator ST-Manufacturer	SIEMENS
Type	SGen5-100A-2P 092-26 M07
Output	78.63 MVA
Voltage	11.5 KV - 50 Hz, PF 0,8

Step-Up Transformers	
Manufacturer	
Model	2011
Steps	11,5 KV - 134,75 KV - 154 KV -173,25 KV



Further information on request

Important Disclaimer

Although the statements and technical information contained herein are believed to be materially accurate as of the date hereof, no representation or warranty is given as to the accuracy of any of the information provided. This document contains confidential information intended only for the use of the addressee. If you are not the intended recipient of this information then you are hereby notified that any use, dissemination, distribution or reproduction of this message is prohibited.