



## SUCCESS STORIES

# GENELBA

### COMBINED CYCLE POWER PLANT, 720 MW

**LOCATION** BUENES AIRES, ARGENTINA

**CUSTOMER** BLACK & VEATCH

**END USER** CENTRAL GENELBA

### PROJECT OVERVIEW

#### Gas Turbine

- + Supplier: Siemens KWU
- + Type: V9.4.3A
- + Main Fuel: Natural Gas
- + Backup Fuel: N/A

#### HRS G

- + No. of Units: 2
- + Type: Horizontal gas path natural circulation, 3 pressure levels + reheat unfired

	ENGLISH	METRIC
HP Steam Flow	545,242 lbs/hr	68.70 kg/s
HP Steam Pressure	1,596 psig	110.0 barg
HP Steam Temp	1,002°F	538.9°C
Reheat Steam Flow	637,306 lbs/hr	80.30 kg/s
Reheat Steam Pressure	412 psig	28.4 barg
Reheat Steam Temp	1,002°F	538.9°C
IP Steam Flow	103,175 lbs/hr	13.00 kg/s
IP Steam Pressure	431 psig	29.7 barg
IP Steam Temp	610°F	321.1°C
LP Steam Flow	74,604 lbs/hr	9.40 kg/s
LP Steam Pressure	62 psig	4.3 barg
LP Steam Temp	453°F	233.9°C



### VOGT POWER SOLUTION

- + Supplied Central Genelba two heat recovery steam generators (HRSGs)
- + Installed in combination with two Siemens KWU V94.3A gas turbines and one steam turbine
- + Units are VPI's "Loose Harp" design. Heat transfer surfaces supplied as individual module harps so normal road transportation could be used

### PERFORMANCE RESULTS

- + The total plant capacity is 720 megawatts
- + Plant achieved commercial operation in 1998
- + Saved customer time and money by having local fabricators manufacture nonpressure parts and reduced overall erection period

