Vogt Power International

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SUCCESS STORIES

MARGHERA LEVANTE

COMBINED CYCLE POWER PLANT

LOCATION	VENICE, ITALY
CUSTOMER	SELM
END USER	EDISON

PROJECT OVERVIEW

Gas Turbine

- Supplier: Nuovo Pignone
- Type: Frame 9E
- Main Fuel: Natural Gas
- Backup Fuel: Light Oil No. 2

HRSG

- No. of Units: 2
- Type: Horizontal gas path Natural Circulation, 3 Pressure Levels Unfired

	ENGLISH	METRIC
HP Steam Flow	390,214 lbs/hr	49.17 kg/s
HP Steam Pressure	624 psig	43.0 barg
HP Steam Temperature	925°F	496.1°C
Reheat Steam Flow	N/A	N/A
Reheat Steam Pressure	N/A	N/A
Reheat Steam Temperature	N/A	N/A
IP Steam Flow	85,098 lbs/hr	10.72 kg/s
IP Steam Pressure	305 psig	21.0 barg
IP Steam Temperature	450°F	232.2°C
LP Steam Flow	70,983 lbs/hr	8.94 kg/s
LP Steam Pressure	25 psig	1.7 barg
LP Steam Temperature	Sat.	Sat.

PERFORMANCE RESULTS

- Marghera Levante was constructed to meet the growing electricity needs of local industrial users and the overall power demand in and around Venice
- HRSGs are of the horizontal gas path natural circulation type and feature three pressure levels

VOGT POWER SOLUTION

- Units for Marghera Levante are VPI's "MSG" design. The MSG is a single wide modular box design with standard widths and a high degree of shop assembly
- The boxes come complete with installed casing, steel structure and pre-assembled internal piping
- The MSG design minimizes the number of boiler parts sent to a jobsite resulting in lower installation costs and shorter construction periods

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