

MARGHERA LEVANTE PROJECT: VENICE, ITALY



A TRADITION OF EXCELLENCE IN HEAT RECOVERY



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Vogt Power International Inc. (VPI) supplied Edison two Heat Recovery Steam Generators (HRSGs) for their Marghera Levante combined cycle power plant located in Venice, Italy. The HRSGs were installed in combination with two Nuovo Pignone Frame 9E gas turbines and one steam turbine. The plant achieved commercial operation in 1993.

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

The 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.

Vogt Power International has supplied over 500 HRSGs in more than 29 countries and leads the industry with the highest HRSG market share on an operational megawatt basis.

Please contact us regarding all gas turbine-based combined cycle and cogeneration projects under development.

Customer Support. Reliability. Technical Excellence.

	English Units	Metric Units
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.

General Information

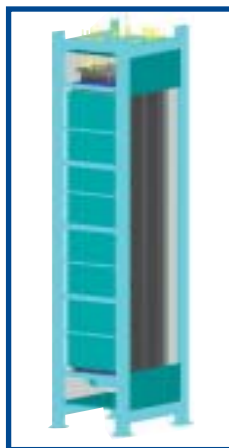
Project Name: Marghera Levante
Site Location: Venice, Italy
Plant Type: Combined Cycle Power Plant
Customer: SELM
End User: Edison
Order Year: 1991
Operational: 1993

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



MSG



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