

REVITHOUSSA, GREECE

COMBINED HEAT AND POWER PLANT
13 MWe and 12.2 MWheat

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BUILT in 2009
FOR



BY



Burmeister & Wain Scandinavian Contractor A/S

Power Integration Station at Revithoussa, Greece.
Combined heat and power
13.000 MWe and 12.270 MWheat

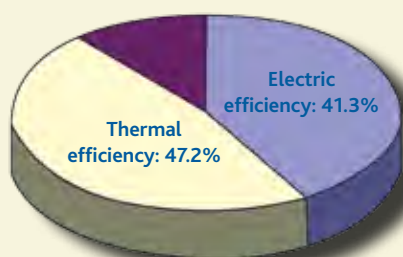
Hellenic Gas Transmission System Operator (DESFA S.A.) stores Liquefied Natural Gas (LNG) on Revithoussa Island close to Athens, Greece. On Revithoussa the LNG is vaporized to a gaseous phase and distributed in pipe lines to the main land of Greece and the rest of Europe.



The Power Integration Station at Revithoussa is designed and constructed by BWSC.

The electrical power produced is used by DESFA S.A. for the gas processing on the island and the surplus is exported to the public main grid in Greece.

Efficiency up to 88.5%



All the heat produced is used for vaporizing of the LNG before it is exported from the island to the consumers. In periods without heat demands the power plant can still produce electricity using the backup radiator cooling plant.

Summary

Contract

Type	Turnkey with 3 months of operation assistance
Contract award	November 2007
Handing over	July 2009

Technical Data

Gas Engines	
Make	Caterpillar, Germany
Type	V-type G16CM34
Speed	750 rpm

Alternators

Make	Leroy Somer, France
Type	LSA 58 UL105/8p
Rating	8,165 kVA
Voltage/Frequency	6kV / 50 Hz
Output at 100%	6,532 kW at p.f. 0.8

Gas Regulating Station

Make	Flonidan, Denmark
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Exhaust Gas Heat Exchangers

Make	Danstoker, Denmark
Type	Horizontal smoke tube, EEB-W
Capacity	3,478 kW

Radiator Coolers

Make	Alfa Laval
Type	Induced draft, FBLGE-1260-8-7/8-186DN100S & 124DN100D-Ep & 124DN100D-Ep
Cooling capacity	HT / LT : 1,720 kW / 1,691 kW



Burmeister & Wain Scandinavian Contractor A/S
 Gydevang 35, P.O. Box 235, DK-3450 Allerød, Denmark
 Phone +45 48 14 00 22, Fax: +45 48 14 01 50
 bwsc@bwsc.dk, www.bwsc.dk