

GENERAL DESCRIPTION

Type:
Gas Turbine Generator Set



Location:
East Asia, Pacific Region

This 60 Hz power plant comprised of 5 gas-fired turbine-generator sets; these sets can ideally be used for a new combined cycle GT power station.

These US made, heavy industrial gas turbines are available short-term for operation e.g. in countries on the American continent and in parts of Far East Asia.

The turbine generator sets and related parts are in top condition after less than 20 years of operation. The plant went out of operation in 2014 due the expired power purchase agreements (PPAs) and unfavorable market conditions.

This surplus equipment is located close to a major port and is immediately available for relocation.

Offering

item / type	approx. 490 MW gas turbine power plant (60 Hz)
typical usage	as part of a combined cycle power plant
status	out of operation since 2014
availability for dismantling	any time, subject to sales contract former operator will assist in dismantling
sales prices	US\$ 7.5 Mio. ask price (approx.6.5 Mio Euro)
New build cost (for comparison)	US\$ 150 Mio. (approx., for all five sets)
relocation and installation time (for comparison)	12 months (approx.)

Key Figures

main fuel type	natural gas (currently: LNG; supplementary: diesel)
electrical output	490 MW _e gross capacity
efficiency	30 % (in simple cycle mode)
plant size	(information will be provided upon request)
year of commissioning / year of last retrofit etc.	1996 / fuel conversion to LNG in 1998 / full inspection incl. report by KPS Siemens in Sept. 2016

Operating Figures

max. generation capacity	490 MW _e (at full load)
cold start time:	(information will be provided upon request)
fuel quality	LNG / natural gas / diesel
fuel storage capacity	(item not included)
type of cooling	GT: water circulation from external source Generator: open air cooled
amount of cooling water	(information will be provided upon request)

Technical Figures of Main Components

This power generation set for sale comprises a gas turbine together with a power generator matching in size as well as related ancillary equipment.

5x gas turbines	Westinghouse, heavy duty exhaust flow volume 1.313 t/h at 530 degree C between 3,300 und 4,500 equivalent starts each
5x gas turbine generators	Westinghouse, air cooled 60Hz 3600 rpm 13.8 kV output exciter included
control and communication system	partly included

Additional Information

marketing service fee	will be borne by seller
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Disclaimer:

Although the statements and technical information contained herein are believed to be materially accurate, no representation or warranty is given as to the accuracy of any of the information provided.

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