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For Sale:	Pre-owned 30.2 MW Steam Turbine Generator Extraction – Condensing Type
Ref.-No:	STG-29.33

Brief plant history:

The steam turbine generator was part of a combined cycle power plant commissioned in 1996 and shut down 2012 after approx. 86,562 operating hours.

Description of major plant components:

Turbine

Manufacturer, Type	ABB Turbinen Nürnberg GmbH, VEE 40 Double extraction condensing turbine, Type 4 Stages HP, 9 stages MP and 9 stages LP part
Max. terminal power	30.2 MW
Number of extractions/ bleeders	1 pcs./ 2 pcs.
Live steam parameters	120 bar, 520 °C, 210 t/h
Bleeding 1 normal/max.	36 / 41 bar, 365 / 415 °C, max. 80 t/h
Bleeding 2 normal/max.	6 / 8.5 bar, 170 / 333 °C, max. 75 t/h
Extraction normal/max.	16 / 20.5 bar, 275 / 300 °C, max. 20 t/h
Exhaust normal/max.	0.047 / 0.08 bar, max.18 °C
Rate max.	10.2 / 55.6 t/h

Gear

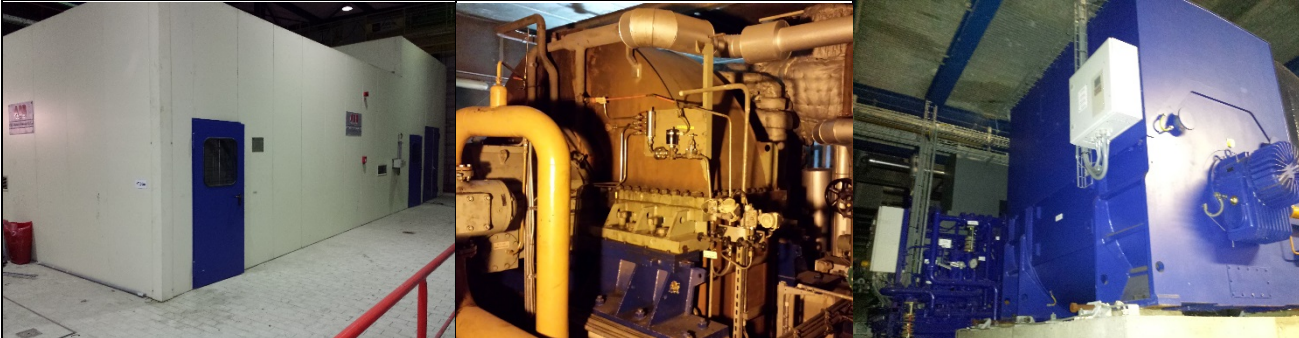
Parameters	Type spur gear, single helical 30.2 MW, 1500 rpm (from 5859 rpm)
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Generator

Parameter	Three-phases 37500 kVA, 10500 V, 50 Hz
Rotating speed	1500 rpm
Cooling	TEWAC
Condenser	
Pressure inside condenser	0.06 / 0.073 bar
Cool. water parameters	3000 m³/h, 27 °C
Amount of steam	41 / 56 t/h

Major auxiliary equipment / Accessories

Start system, lubrication system, hydraulic system, gears, and acoustic enclosure

Price:	on request
	

Further information on request

Important Disclaimer

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