

CHEAPOWER

Process & Power Units For Sale

MAY 2012

PROCESS AND CHEMICAL PLANTS

DESALINATION UNITS

Available five (5) units of Desalination Plants each of 2500m³/day complete with their own Steam Boilers and various BOP (Balance of Plant) available for immediate shipment

And two (2) units of Desalination Plants each of 1000 m³/day capacity available also with their own steam and BOP (Balance of Plant).

REFINERIES

- 65 000 bpd Oil Refinery assets

Information on request from an identified client

- 85 000 bpd Oil Refinery assets

Information on request from an identified client

- 110 000 bpd Oil Refinery assets

Information on request from an identified client



The refinery's main units include:

- an atmospheric distillation unit,
- a vacuum distillation unit,
- a fluid catalytic cracking unit,
- a catalytic reformer,
- product hydrotreaters and sulphur recovery units.

CEMENT PLANT

New cement plant Assets for 1 million tons/year – complete equipments.



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POWER PLANTS

COAL FIRED Power Plants

Relocation in cooperation with OEM Supervising and guarantees

OF000715 Designation: 30MW COAL PP Power(KVA): 45000 Power(KW): 36000 Frequency(HZ): 50 Voltage: 10500V Type: coal STG Builder: Boiler: SULZER Turbine :KANIS First startup date: 1982/2009 Time of use (hours): 90 000 Place of provision: europe



OF000716 Designation: Coal fired Steam Power Plant 100 MW (2 units available) - 50 Hz Power(KVA): 125000 Power(KW): 100000 Frequency(HZ): 50 Type: coal STG - Excellent condition - Relocation in cooperation with OEM Supervising and guarantees



OF000717 Designation: Coal fired Steam Power Plant 330 MW - Steam turbine MAN, Boiler Austria Energy _ 50 Hz Power(KVA): 412500 Power(KW): 330000 Frequency(HZ): 50 Type: lignite coal STG — Hours 830 00 - commissioning 1983, 1986 retrofit with FGO (Flue gas treatment, DeNox and Desox) - Excellent condition - Relocation in cooperation with OEM Supervising and guarantees

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HFO POWER PLANTS :

OF000682 114 MW :Designation: **STORK WARTSILA 50HZ HFO POWER PLANT - with 9 units**
Power(KVA): 142500 Power(KW): 114000 Frequency(HZ): 50 RPM Range: 428 Voltage: 11000 Type: HFO Builder: Engine: STORK WARTSILA Generator: First startup date: 1993/1995 Time of use (hours): 28000 Other characteristics: complete plant Comments: Type: 9TM620 9 units Manufacture: STORK WARTSILA Diesel Rated output: 12,750KW Rated speed: 428rpm Consumption of fuel oil: 174G/KWH +5% (ISO Conditions) Consumption of lube oil: 1.3+0.3G/KWH Year Model: 1993-1995 Service Hours: 25,825 (unit 1) / 25,204 (unit 2)/ 26,955 (unit 3) / 26,788 (unit 4) / 25,541 (unit 5) / 25,911 (unit 6) / 27,987 (unit 7) / 25,959 (unit 8) / 21,572 (unit 9). Generators Type: ABB HSG 1600 S14 Rated capacity:15,537 KVA Cos Factor : 0.8 Frequency : 50 HZ Rated current: 815A Rated voltage: 11KV Greatest weight/piece: 55T



115 Euro per kW "as is" (stopped)

OF000706 15 MW : Designation: **2 x Wartsila Vasa 18V32GD Power(KVA): 14.150 Power(KW): 11.32**
Frequency(HZ): 50 RPM Range: 750 Voltage: 11000 Type: HFO Builder: Engine: WARTSILA Generator: First startup date: 1990 Time of use (hours): 30000 Place of provision: EUROPE Other characteristics: Comments: 2 x 7,075 MW, 50 Hz, HFO fired, coupled with Ahlstrom type RP38A/8P 8850 kVA alternators. It is complete power plant with exhaust boiler, catalytic converter, radiator etc. Those gensets are prepared for gas operation, but need to be equipped with gas operating equipment. Gensets were built up in 1990, in operation until 2009. Working hours 25000/30000. Test run performed on 2010-11-01. Plant is dismantled & packed, dismantling has been supervised by Wartsila Service.



200 Euro per kW FAS (stored)

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OF000707 38 MW : Designation: **5 x 2006 Wartsila 18V32 38.85MW 50Hz Diesel CoGen Power Plant**
Power(KVA): 48562 Power(KW): 38849.6 Frequency(HZ): 50 RPM Range: 750 Voltage: 11000 Type: Diesel engine Builder:
Engine: WARTSILA Generator: First startup date: 2006 Time of use (hours): 7500 Place of provision: Other characteristics:
Comments: Please underline that plant is working on low sulphur diesel oil, so no HFO system is installed. But all rest systems
are in.



200 Euro per kW "as is" (running)

OF000709 Designation: Mirrless HFO PP 22.6 MW with 2 MB430VEI units Power(KVA): 28000 Power(KW): 22400
Frequency(HZ): 50 RPM Range: 600 Voltage: 11000 Type: HFO Builder: MIRRLESS BLACKSTONE Engine: MB430VEI Generator:
BRUSH First startup date: Time of use (hours): 35000
100 Euro per kW "as is"

Other **HFO CAT units** seen available for sale on the market :

**Available (2 units) 6CM32 ==> 2,765 kWe / 3,456 kVA / 600 rpm / 50 or 60 Hz (PACKAGE)

**Available (3 units) 12CM32 ==> 5,590 kWe / 6,988 kVA / 750 rpm / 50 Hz (PACKAGE)

**Available (2 units) 16CM32 ==> 7,450 kWe / 9,312 kVA / 750 rpm / 50 Hz (PACKAGE)

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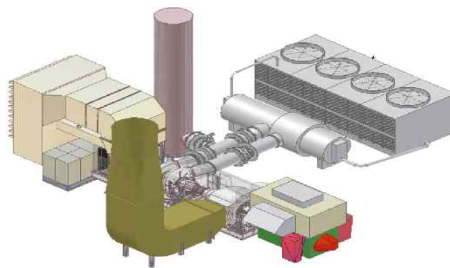
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COMBUSTION TURBINES

OF000703 100 MW : Designation: LMS 100 GAS Power(KVA): 125 000 Power(KW): 100 000 Frequency(HZ): 50 RPM Range: 1500 Voltage: 10500 Type: Nat gas turbine Builder: Engine: GE Generator: First startup date: BRAND NEW Time of use (hours): 0 Place of provision: Other characteristics: Comments: 1 x GE LMS 100 Gas only 50 Hz Capacity 100 Mw Combustion Turbine Package Generator Air filter Intercooler Power control module Intercooler Pump water skid motor control center Combustion Turbine Generator (CTG) Simple Cycle Exhaust Stack and Extension Joint Demin water filter skid CTG Package anchor volts 240 V DC Motor Start TEWAC cooling for Generators Power system Stabilizer Ni-Cad battery System CTG First Fill Lubricants



New, never used

OF000704 148 MW : Designation: LM6000 3 units - Power(KVA): €a 63500 Power(KW): €a 50800 Frequency(HZ): 50 RPM Range: 1500 Voltage: Type: dual fuel STG Builder: Engine: GE Generator: First startup date: 2004 Time of use (hours): 10000 - Comments: Total nominal power: 148 MW DUAL FUEL - COMPLETE PLANT WITH BOP.



333 Euro per KW « as is »

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OF000708 Designation: **USED 21.3 MW GAS TURBINE GENERATOR SET** Power(KVA): 26250 Power(KW): 21000
Frequency(HZ): 50 RPM Range: 1500 Voltage: 11000 Type: Nat gas turbine Builder: Engine: ABB Generator: First startup
date: 1991 Time of use (hours): 76000



150 Euro per kW "as is"

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