**2 x 50 MVA DUAL FUEL POWER STATION**

**EQUIPMENT FOR SALE**

A unique opportunity has arisen to purchase the equipment in a 100 MVA Power Station, which was installed in 1974/75 but has never operated commercially.

The plant comprises 2 x 50 MVA Brown Boveri condensing steam turbines and 2 x 180t/h Sulzer high pressure water tube boilers, which were designed to burn heavy fuel oil and blast furnace gas.

The power plant was originally built to utilise blast furnace gas at an integrated steelworks. During commissioning of the new power station, the steelworks decided to close the blast furnace plant, which made the power generation equipment redundant. Since that time, the power plant has stood idle and the equipment is now for sale.

The owner is willing to sell all the following equipment within the power station as a single lot, on the basis of “as is, where is”.

- **Number of Units:** 2 steam turbines + 2 boilers
- **Location:** Europe
- **Year Commissioned:** 1974/75
- **Service Hours:** Plant has never operated commercially
- **Condition:** Plant unused commercially
- **Status:** Installed on foundations within Power Station building

**DOCUMENTATION**

Operation and Maintenance Manuals available.

Drawings available for most equipment, including drawing register.
STEAM TURBINES
Number: Two
Manufacturer: BBC-Brown Boveri
Type: Condensing steam turbine
Rated Power: 50,000 KVA @ 0.8 P.F. (40MW)
Speed: 3000 RPM
Inlet Pressure: 31 barg
Inlet Temperature: 400°C
Inlet Flow @ MCR: 180t/h
Condenser: Seawater Cooled

ALTERNATORS
Manufacturer: BBC
Capacity: 50,000 kVA
Power Factor: 0.80
Active Power: 40,000kW
Rated Voltage: 10.5kV
Frequency: 50 HZ
Speed: 3000 RPM

BOILERS
Number: Two
Manufacturer: Sulzer
Fuels:
- HFO or mixed Blast Furnace Gas / HFO
Steam Conditions:
- Design Pressure 39.2 Barg
- Pressure at Super Heater Outlet 31.4 Barg
- Temperature at Super Heater Outlet 410 oC
Output:
- Flow at MCR with 100% HFO or 80% BFG and 20% HFO 190t/h
Efficiency:
- 100% HFO at MCR 92%
- 80% BFG / 20% HFO at MCR 86.5%

USUAL TERMS: All equipment is quoted “as is/where is, subject to inspection and prior sale” unless otherwise indicated. Scope-of-supply must be verified by customer during inspection. All equipments are subject to prior sale.