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<b>For Sale:</b>	<b>Pre-owned 4 MW<sub>el</sub> Multi-Fuel Diesel Generator Plant</b>
<b>Ref.-No:</b>	<b>DG-32.13</b>

**Brief plant history:**

This unique and highly efficient Diesel generator plant was commissioned in 2008 (as per German Renewable Energy Act) and has been designed for an operating time of at least 200,000 hours running at 8,000 h/a. Due to the increase on fuel prices, the operation of the plant was no longer economically feasible. The plant has been shut down in December 2013 after reaching 10,000 op. hrs, however, a test operation is still possible.

The special design of the Diesel engine (low speed, two-stroke, etc.) allows the use of various fuel types, e.g. crude vegetable oil with a high FFA (free fatty acids), animal fats, HFO or refinery residues with viscosity up to approx. 70,000 cSt at 50°C. The Diesel generator plant is in excellent condition and available for immediate sale and relocation.

**Description of major plant components:**

**Diesel engine**

Manufacturer, Type

MAN B&W license, slow speed (214.3 rpm), two-stroke, single acting, turbocharged, non-reversible Diesel engine, 7 cylinders in-line (emissions acc. to German standards)

Nominal power output

4520 kW

Fuel

Multi-fuel design (viscosity up to 70,000 cSt @ 50°C), e.g.: palm oil (cST 32@50°C) and Bio-DFO, animal fats, HFO or refinery residues with viscosity up to 70,000 cSt @50°C

El. efficiency

**48%**

**Generator**

Manufacturer

Alstom

Generator data

5.75 MVA, 11 kV, 50 Hz

**Major auxiliary equipment/systems:**

Fuel unloading, and treatment system, clean fuel oil supply, lubricating oil system, SCR catalyst, Oxy-cat., electrostatic precipitator, MV/LV switch gear, 20 kV step up transformer.

**Options:**

- Exhaust gas rec.system (smoke-tube steam boiler, 8 bar, 2.2 t/h) with related auxiliaries
- Machine hall with steel structure and overhead crane..... and many more

<b>Price:</b>	<b>on request</b>
	

**Further information on request**

**Important Disclaimer**

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

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