

HEAT RECOVERY
BIOMASS
PRIMARY FUELS
SOLID RESIDUES
LIQUID & GASEOUS RESIDUES

CHP PLANT SPREERECYCLING SPREMBERG, GERMANY



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Number of Lines	1
Fuel	Domestic/ Industrial refuse
Heating Value (min./nom./max.)	8.0 / 12.5 / 18.0 MJ/kg
Fuel-Throughput (min./nom./max.)	23.1 / 31.7 / 40.0 t/h
Rated Thermal Input	110 MW
Steam Capacity	134 t/h
Steam Pressure	41 bar
Steam Temperature	400 °C
Feedwater Temperature	130 °C
Flue-Gas Flow	209,700 Nm ³ /h
Exhaust-Gas Temperature	160 °C
Operating Approval	17. Federal German Pollution Control Act
Year of Commissioning	2013

THE TASK

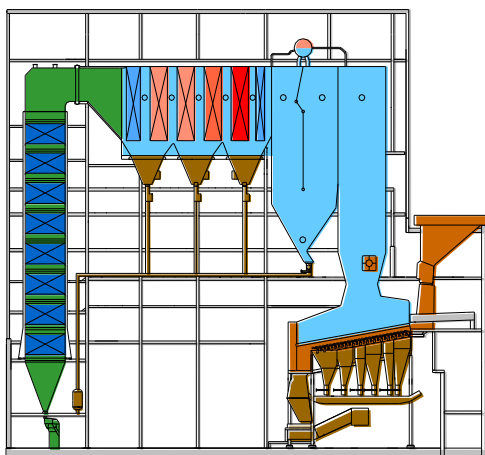
As for the energy supply of the paper mill Hamburger Rieger – Papierfabrik Spremberg, the Spreerecycling GmbH & Co. KG planned to construct a waste-to-energy power plant. This plant shall be capable of generating not just the own demand for process steam but, in so far as possible, also for electricity by using residues inherent in paper production and fuels procured from outside. Standardkessel Baumgarte received the order to supply the firing system and steam generator for the plant.

THE SOLUTION

The integrative concept combines the water-cooled pusher type grate and the tail end consisting of a furnace area, two vertical radiation passes, tail end with the installation of convective heating surfaces and the economiser heating surfaces with flue-gases passing through vertically.

SCOPE OF SUPPLY

- Main-Steam Generator with Valves and Accessories
- Heating Surface Cleaning Systems in Form of Spraying, Rapping and Shot Cleaning Systems
- Pusher-type Combustion Grate System incl. Ancillary Components
- Ignition and Auxiliary Firing System
- Slag Conveyor System
- Boiler Supporting Structure, Steel Structure for Firing System and Boiler including Stairs and Platforms
- Refractory Lining and Thermal Insulation
- Measuring Equipment
- Boiler Hall Heating System
- Slag Loading Device
- Bunker Shutt-of Flaps
- Boiler Hall Venting System
- SNCR



example

SERVICES

- Engineering incl. Approval and Official Engineering
- Materials Procurement / Fabrication / Shipping
- Installation and Commissioning
- Trial Run / Performance Test / Personnel Training