

- HEAT RECOVERY
- BIOMASS
- PRIMARY FUELS
- SOLID RESIDUES
- LIQUID AND GASEOUS FUELS

RDF-PLANT SPREMBERG, EBS2 SPREMBERG, GERMANY



HKW SPREMBERG EBS2, GERMANY



Number of Lines	1
Fuel	RDF
Heating Value (min./nom./max.)	8,0 / 10,5 / 14,0 MJ/ kg
Fuel Throughput (min./nom./max.)	16,4 / 27,4 / 30,2 t/h
Rated Thermal Input	80 MW
Steam Capacity	101,5 t/h
Steam Pressure	40 bar
Steam Temperature	400 °C
Feed Water Temperature	130 °C
Flue Gas Flow	165.000 Nm³/h
Exhaust Gas Temperature	150 °C
Operating Approval	17. Federal German Pollution Control Act
Year of Commissioning	2026

THE TASK

Our customer Innovex GmbH, a subsidiary of Hamburger Rieger GmbH, has commissioned us to supply a steam generator plant with feed grate firing. After a construction period of almost three years, the plant will thermally recycle 220,000 tonnes of refuse-derived fuel (RDF) per year and supply electricity and process steam to a paper mill in the vicinity of the RDF power plant.

THE SOLUTION

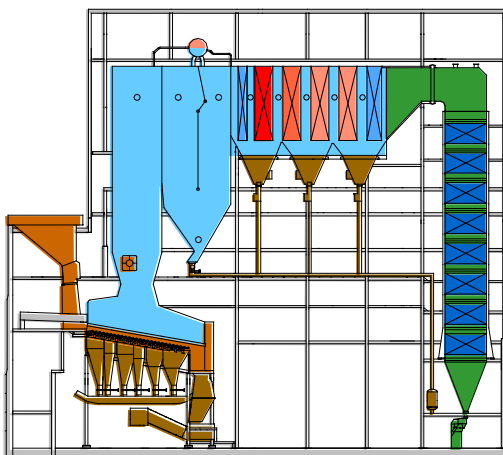
The integrative concept combines the air-cooled pusher-type grate with the tail-end boiler, consisting of the combustion chamber, two further vertical radiant passes, tail-end with the convection heating surfaces and vertical flow economiser heating surfaces. In addition to the grate firing system and the steam generator, our entire scope of delivery also includes the feed water system and the boiler house, including connection to the existing Line 1.

SCOPE OF SUPPLY

- Feed Water System with Turbo Pumps
- Steam Generator with Fittings
- Heating Surface Cleaning as Spray System, Rapping and Shot Cleaning System
- Pusher-Type Combustion Crate System incl. Auxiliary Units
- Ignition and Support Firing System
- SNCR System
- Slag Transport System
- Steel Structure for Firing System and Boiler, including Stairs and Platforms
- Refractory Lining and Thermal Insulation
- Field Instrumentation
- Boiler House incl. Connection to Line 1

SERVICES

- Engineering incl. Approval and Official Engineering
- Material Procurement / Production / Transport
- Assembly and Commissioning
- Trial Run / Performance Test / Staff Training



Ausführungsbeispiel