

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

DAESAN SRF POWER PLANT SOUTH KOREA



DAESAN SRF POWER PLANT, SOUTH KOREA



Number of Lines	1
Fuel	Solid Recovered Fuel from Waste (SRF)
Heating Value (min./nom./max.)	15.9 / 18.9 / 19.9 MJ/kg
Fuel Throughput (nom.)	26.7 t/h
Rated Thermal Input	118 MW
Steam Capacity	137 t/h
Steam Pressure	53 bar
Steam Temperature	405 °C
Feed Water Temperature	130 °C
Flue Gas Flow	215,000 m ³ i. N./h
Exhaust-Gas Temperature	190 °C
Emission Limit Value	Korean Environmental Guideline
Year of Commissioning	2018

THE TASK

The South Korean company WELCRON Hantec Co. Ltd. commissioned Standardkessel Baumgarte with the supply of the firing system of the new energy from waste plant in Seosan, South Korea. This grate firing system sets new standards as regards the thermal power capacity for Standardkessel Baumgarte. The plant will have a maximum rated thermal input of 130 MW_{th} and, hence be the world's largest plant of this type in the waste sector.

THE SOLUTION

The technical concept chosen for the incineration lines was supplied from one and the same source by Standardkessel Baumgarte. In addition to the fuel feeding system, the well-proven firing system includes a 3-track forward pusher grate with water cooled grate bars, slag chutes and a hydraulic unit for operating the feeding and forwarding.

SCOPE OF SUPPLY

- Fuel Feeding System
- Pusher Type Grate
- Slag Chutes
- Hydraulic Unit

ENGINEERING SERVICES

- Basic Engineering Boiler
- Engineering Grate Firing System
- Erection and Commissioning
- Trial Run