

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

# WtE PLANT KAUNAS LITHUANIA



## WtE PLANT KAUNAS, LITHUANIA



<b>Number of Lines</b>	1
<b>Fuel</b>	Domestic / Industrial refuse
<b>Heating Value (min./nom./max.)</b>	7.0 / 9.0 / 15.0 MJ/kg
<b>Fuel Throughput (min./max.)</b>	34.0 / 38.3 t/h
<b>Rated Thermal Input</b>	85 MW
<b>Steam Capacity</b>	107 t/h
<b>Steam Pressure</b>	76 bar
<b>Steam Temperature</b>	450 °C
<b>Feed Water Temperature</b>	130 °C
<b>Flue Gas Flow</b>	170,000 m <sup>3</sup> i. N./h
<b>Exhaust-Gas Temperature</b>	160 °C
<b>Emission Limit Value</b>	IID 2010/75/EU reduced
<b>Year of Commissioning</b>	2020

### THE TASK

The Lithuanian company UAB Kauno kogeneracine jėgaine placed the order with Standardkessel Baumgarte for the supply of the boiler and the grate for the waste-incineration plant in Kaunas, Lithuania.

For the thermal utilization of municipal waste, the boiler plant will have an annual incineration capacity of 270,000 tonnes. The energy produced will be used to generate heat for the city of Kaunas and to feed electricity into the public grid. With a total output of 85 MWth and extremely ambitious steam parameters the required energy is to be made available in an environmentally friendly manner.

### THE SOLUTION

The technical concept chosen for the incineration lines was supplied from one and the same source by Standardkessel Baumgarte. The supply includes, among other things, an air-cooled moving grate, three vertical radiation passes, tail-end pass and a vertical economizer. The scope of supply extends from the fuel supply via the feedwater system, the E/I&C technology and the building services equipment.

### SCOPE OF SUPPLY

- Superheated Steam Generator with Valves and Fittings
- Moving Combustion Grate System incl. Auxiliary Units
- Ignition and Auxiliary Firing System with Fuel Storage And Conveying System
- Boiler House and Powerhouse Steelwork Structures, Steelwork for the Firing System and the Boiler including The Stairs and Platforms
- Refractory Linings and Thermal Insulation, Roof / Façade
- Feedwater Supply System with Tank and Pumps
- Boiler Instrumentation Equipment, Building Services Equipment

### ENGINEERING SERVICES

- Engineering incl. Approval and Official Engineering
- Erection and Commissioning
- Trial Run

