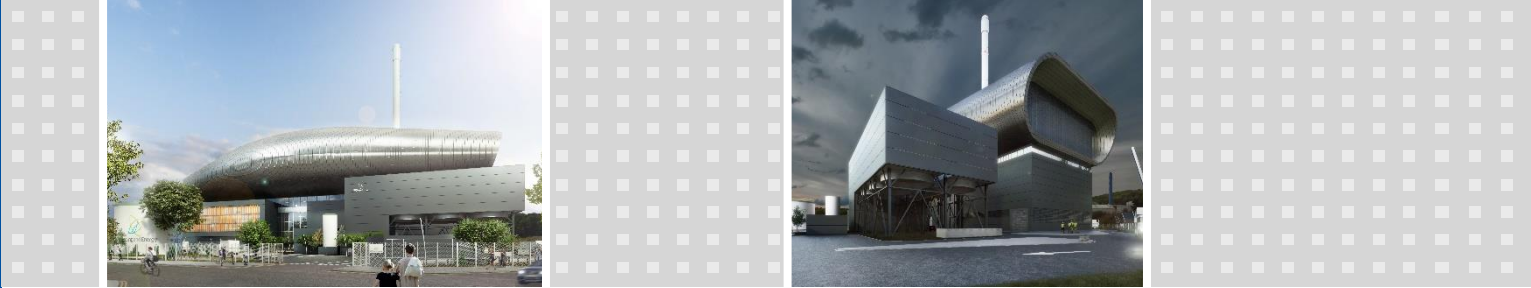


- HEAT RECOVERY
- BIOMASS
- PRIMARY FUELS
- SOLID RESIDUES
- LIQUID & GASEOUS RESIDUES

# EFW NESS ABERDEEN, GREAT BRITAIN



## EFW NESS ABERDEEN, GREAT BRITAIN



<b>Number of Lines</b>	1
<b>Fuel</b>	Domestic refuse
<b>Heating Value (min./nom./max.)</b>	7.5 / 9.3 / 13 MJ/kg
<b>Fuel Throughput (nom.)</b>	19 t/h
<b>Rated Thermal Input</b>	49.1 MW
<b>Steam Capacity</b>	63 t/h
<b>Steam Pressure</b>	64 bar
<b>Steam Temperature</b>	425 °C
<b>Feed Water Temperature</b>	130 °C
<b>Flue Gas Flow</b>	103,000 Nm <sup>3</sup> /h
<b>Exhaust-Gas Temperature</b>	145 / 160 °C
<b>Emission Limit Value</b>	IED
<b>Year of Commissioning</b>	2021

### THE TASK

The councils of Aberdeen City, Aberdeenshire and Moray are constructing an energy from waste plant at the Aberdeen location, in the North-East of Scotland. ACCIONA will be responsible for the design and turnkey construction, commissioning and the O&M of the plant for a 20 year period. Standardkessel Baumgarte's (SBG) scope of supply comprises designing and supply of the boiler plant, including the firing system and the flue gas cleaning system.

### THE SOLUTION

The plant comprises a line for the thermal recycling of household waste. The core component supplied by SBG essentially consists of an air-cooled grate furnace and a steam generator for generating superheated steam with three vertical radiation passes, a horizontal convection pass and a vertical economiser. A selective non-catalytic denitrification plant (SNCR) and a quasi-dry flue gas cleaning plant with bag filter are used to clean the exhaust gases.

### SCOPE OF SUPPLY

- Steam Generator with Auxiliaries
- Grate Firing System with Auxiliaries
- Combustion Air System
- Refractory Lining
- Deslagging, Boiler Ash Removal
- SNCR
- Steel Construction, Stairs, Stages
- Flue Gas Treatment System
- E-/MSR-Equipment

### ENGINEERING SERVICES

- Engineering
- Delivery
- Erection and Commissioning
- Trial Run