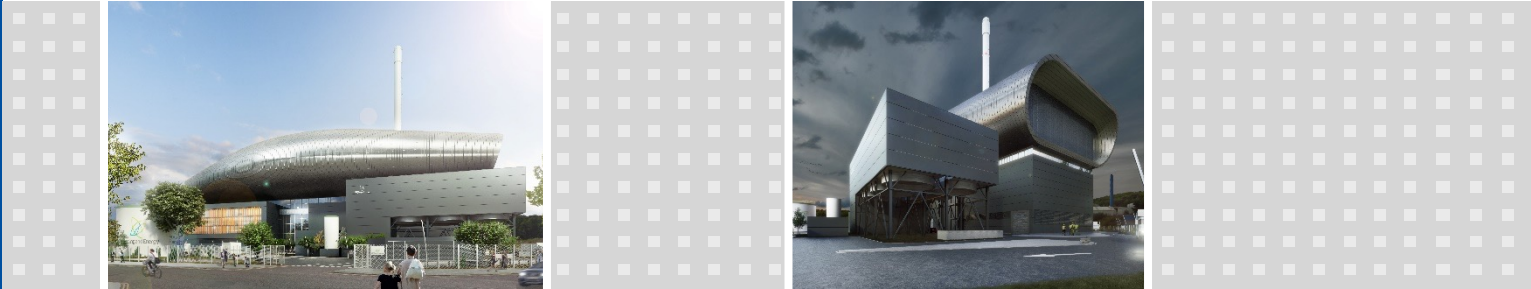


- HEAT RECOVERY
- BIOMASS
- PRIMARY FUELS
- SOLID RESIDUES
- LIQUID & GASEOUS RESIDUES

EFW NESS ABERDEEN, GREAT BRITAIN



EFW NESS ABERDEEN, GREAT BRITAIN



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