

HEAT RECOVERY
BIOMASS
PRIMARY FUELS
SOLID RESIDUES
LIQUID & GASEOUS RESIDUES

ENERGIE PRODUCTION CENTER CHALAMPÉ FRANCE



CHALAMPÉ, FRANCE



| | | |
|--------------------------------|--------------------|---|
| Number of Lines | Unit | 1 |
| Fuel | | RDF, commercial waste and other solid waste fuels |
| Low Heating Value max. | MJ/kg | 16.0 |
| Fuel Throughput | t/h | 12.8 |
| Rated Thermal Input | MW | 80 |
| Steam Capacity | t/h | 96.8 |
| Steam Pressure | bar | 66 |
| Steam Temperature | °C | 425 |
| Feed Water Temperature | °C | 130 |
| Flue Gas Volume Flow (nominal) | Nm ³ /h | 147,000 |
| Exhaust Gas Temperature | °C | 160 |
| Emission Values | acc. | BREF |
| Commissioning | Year | 2023 |

THE TASK

The natural gas operated power plant park of ALSACHIMIE (a BASF and Domo Chemicals company) at the industrial site F-Chalampé, which has existed for decades, will be supplemented by the EPCC (Energy Production Centre Chalampé) of B+T Energie France S.A.S..

Standardkessel Baumgarte, as general contractor, will supply the entire plant and process engineering of the EPCC, which will contribute to the base load supply of high and low pressure steam for the production facilities of ALSACHIMIE. The energy will be generated on the basis of regional refuse derived fuel, commercial waste and other solid waste fuels to replace the fuel natural gas used so far in these quantities.

THE SOLUTION

A 2-lane air/water-cooled grate takes over the safe combustion of the residual materials. The downstream boiler in multi-pass design with horizontal tail end and external economizer takes over the generation of the required steam quantities. The further scope of supply of Standardkessel Baumgarte also includes the flue gas treatment plant which operates according to the "Conditioned Dry-Sorption Process" on the basis of hydrated lime / activated carbon and is classified as a semi-dry FGT system. A small back-pressure steam turbine generator set generates the required electrical power for the plant.

SCOPE OF SUPPLY

- Grate System
- Steam Generator
- Flue Gas Treatment incl. Stack
- Water-Steam-Cycle incl. Steam Turbine
- E&IC incl. CEMS
- Waste-Crane
- Fire Fighting System + Auxiliaries

ENGINEERING SERVICES

- Engineering incl. Contribution to Approval and Authority Engineering
- Construction, Commissioning, Test Run

