

- 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./nom./min.)	MJ/kg	16.0 / 11.0 / 8.0
Fuel Throughput	t/h	26.2
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)	Nm³/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

