

WASTE TO ENERGY

A clean thing.

Despite meticulous recycling concepts, enormous quantities of household and industrial waste accrue every day. Waste incineration makes the best of this: it provides electricity and heat and prepares the waste for environmentally compatible storage. What is left is mostly ash that in turn can be put to good use, e. g. in road building.

We are your partner for the refractory lining of community waste treatment plants, circulating fluidized beds for waste disposal or ash and cinder vitrification, and the incineration of liquid residue.

The installations for incinerating residual substances are highly prone to wear and place extreme demands on the furnaces' refractory lining. Accordingly, BEROA relies on standardized engineering, selected combinations of high-quality refractory products and professional installation.

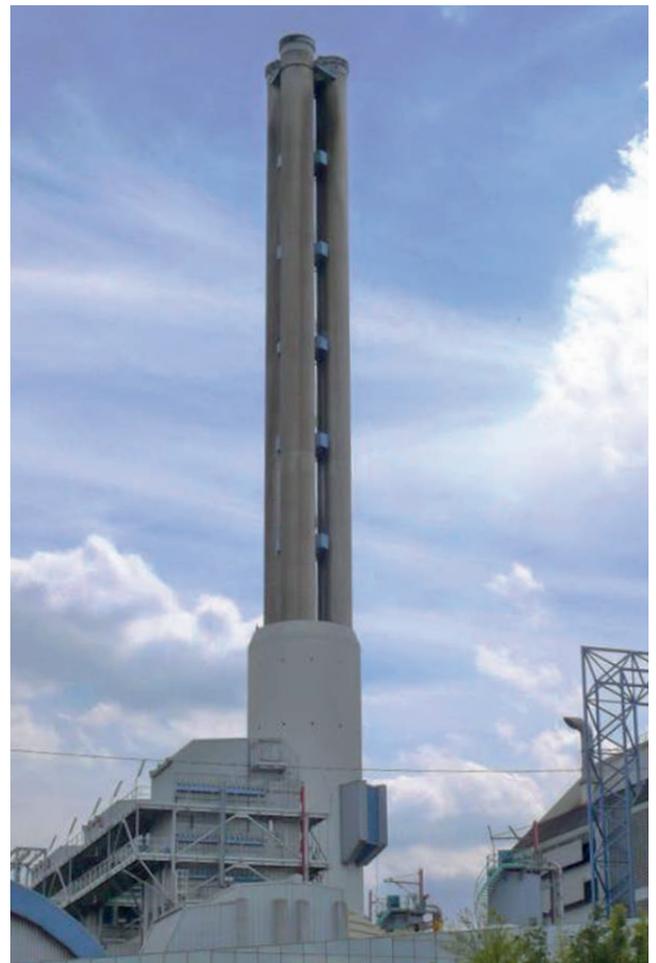
Also in environmental technology, BEROA provides the full range of services, no matter whether you are planning a new structure, preparing for a pending inspection, or introducing a needed retrofit.

We advise you on all aspects of your project. We utilize the latest technologies, e. g. shotcreting. We work with video recordings for the low-cost inspection of your installations. We conduct analyses on stationary and non-stationary heat transfers.

Regarding your chimney, we provide you with the best solution, either in steel or concrete windshields.

Our energy efficiency team can achieve a significant reduction in energy cost based on waste heat recovery technologies such as ORC (Organic Rankine Cycle) and WST (Wet Steam Turbine) from flue gas and cooling liquids.

For the optimal energy yield from residual substances.





SOME CUSTOMERS

ALSTOM	TREDI
ANDRITZ ENERGY & ENVIRONMENT	TRM
CNIM	VTR
CTR	VEOLIA
CYCLERGIE	VINCI ENVIRONNEMENT
GDF SUEZ/SITA	VON ROLL
ITISA VOLUND	ZUSOK ...
STADTWERKE DÜSSELDORF	
STADTWERKE KIEL	
STADTWERKE MÜNCHEN	
TIRME	

REFERENCE

CUSTOMER - ANDRITZ Energy & Environment.

LOCATION - Eisenhüttenstadt CHP plant, GER.

PROJECT - Refractory lining of a circulating fluidized bed plant, combustion chamber with full masonry, thermal capacity 150 MW.

COMPLETION - 2010.

TECHNOLOGIES

We offer several technologies of modern refractory linings like Ceramic Tube Wall Protection systems, shot-crete technology and conventional technologies (casting, gunning, trowelling).

Our highly educated refractory team is able to offer services ranging from engineering and installation up to dry out control and management. Complete construction management, including metal and welding works, demolition and new installation, is our strength.

From new plant to revision and emergency repairs.

Grate incinerators, fixed and circulating fluidized bed boilers, rotary kilns with post combustion chamber.

Fabrication and erection of steel chimneys.

Design and construction of concrete chimneys.

Energy efficiency technologies including energy monitoring, electrical control, heat use optimization and waste heat recovery, furnace optimization service, steam pressure recovery project, compressed air network global optimization and retrofit, air and flue gas quality monitoring system, water treatment plant.

