



Incineration residue treatment facility

Up to 780,000 tons of mixed waste are incinerated in Vienna's waste incinerators every year. 27% of the mass is left over in the form of ash and slag, leaving 270 kg of residue per tonne of waste. This residue is processed at the "Rinterzelt" treatment facility and then deposited at the Rautenweg landfill. The combustion waste treatment facility is an important part of Vienna's waste management process and helps ensure reliable waste disposal in the City of Vienna.

INCINERATION RESIDUE PROCESSING

The slag is sieved several times, larger pieces are crushed with a slag crusher, and ferrous and non-ferrous metals are removed. 18,000 tonnes of scrap iron and 6,500 tonnes of non-ferrous metals are recovered annually. The demetalised slag is mixed with filter ash, a binding agent, sand and water in a double shaft mixer following a special recipe. Articulated lorries transport the stabilising mixture to the Rautenweg landfill, where it is spread in layers on the surface and compacted with a single drum roller. Thanks to this stabilisation, the landfill does not release any climate-damaging emissions.

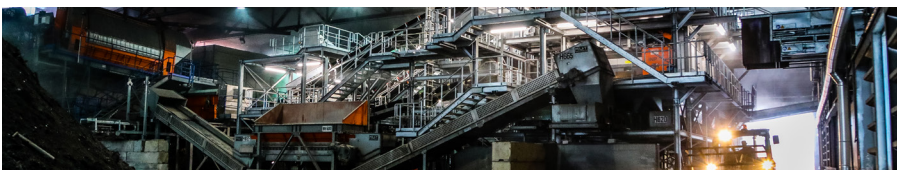


HISTORY

Vienna began the treatment of combustion residue when the Flötzersteig waste incineration plant was opened in 1963. The first attempts at stabilising the slag and ash by mixing them with water and cement began in the late 1980s.

Because the concrete matrix permanently binds the heavy metals contained in the combustion residue, these toxic materials cannot be released into the groundwater or the atmosphere.

In 1991, a treatment facility was set up, which was expanded in 1994 by adding a metal separator (initially for scrap iron only) and a mixing unit. Since 2008, non-ferrous metals such as aluminium, copper and others have also been separated from the slag.



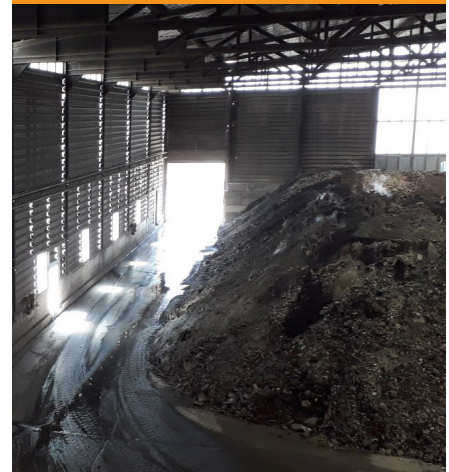
FACTS AND FIGURES

INCINERATION RESIDUE TREATMENT FACILITY

- 160,000 tonnes of slag and 40,000 tonnes of ash processed annually
- Approved annual capacity: 233,600 tonnes

WASTE INCINERATORS

- Fly ash, slag:
 - Flötzersteig
 - Spittelau
 - Pfaffenua
- Fly ash, bottom ash, slag:
 - Simmeringer Haide



CONTACT

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