

Client	Linz Strom GmbH
Location	Linz, Austria
Technology	BFB - Bubbling Fluidised Bed
Fuel heat capacity	72 (max. 76) MW
Throughput	275,000 t/a
Waste types	RDF from municipal and industrial origin, rejects from mechanical sorting and recycling, municipal sewage sludge and screening residues
Calorific range of fuel mix	6 - 16 MJ/kg
Start-Up	2012
Investment	145 Mio. € (including mechanical waste treatment center - "Material Recovery Facility")
Consulting Services provided	<ul style="list-style-type: none"> • Project development and feasibility study, site evaluation • Process engineering and plant design • Legal commissioning • Preparation of tender documents and tender evaluation • Supervision of construction and start-up

The city of Linz requires a sustainable solution for the thermal treatment of residues from mechanical waste treatment, on one hand, and the treatment of sewage sludge and screening waste from waste water treatment on the other hand. RHKW Linz includes a mechanical waste treatment plant for extracting inert materials (incl. metals), and to ensure the correct particle size for waste incineration input materials. The RHKW residue-based heat-and-power plant in Linz provides treatment of non-hazardous solid waste (up to 185,000 t/a) and residues from sewage treatment (up to 90,000 t/a) as well as district heating (up to 35 MW) and electric power (net output to grid up to 17 MW).

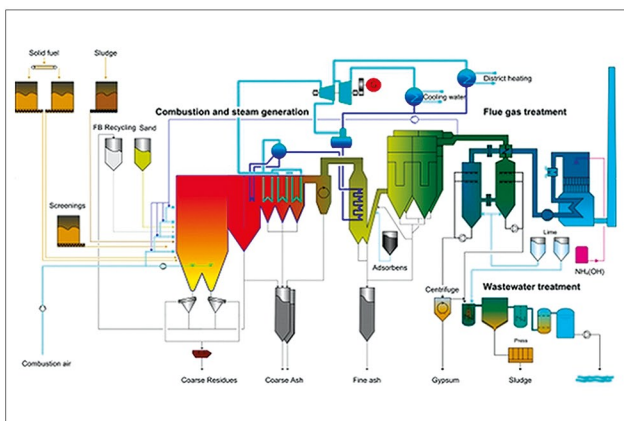


RHKW Linz – site integration of residue-based heat-and-power plant including cooling tower and pipe conveyor from mechanical waste treatment center "Material Recovery Facility" (© Linz Strom GmbH)

RHKW Linz Waste-to-Energy



RHKW Linz – belt conveyor and incineration air pipe connecting the “Material Recovery Facility” to the boiler house (© Linz Strom GmbH)



Overall process scheme of RHKW Linz plant, without mechanical waste treatment (© UVP GmbH)



Pipe conveyor with pre-treated input fuel, before closure of pipe (© Linz Strom GmbH)



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