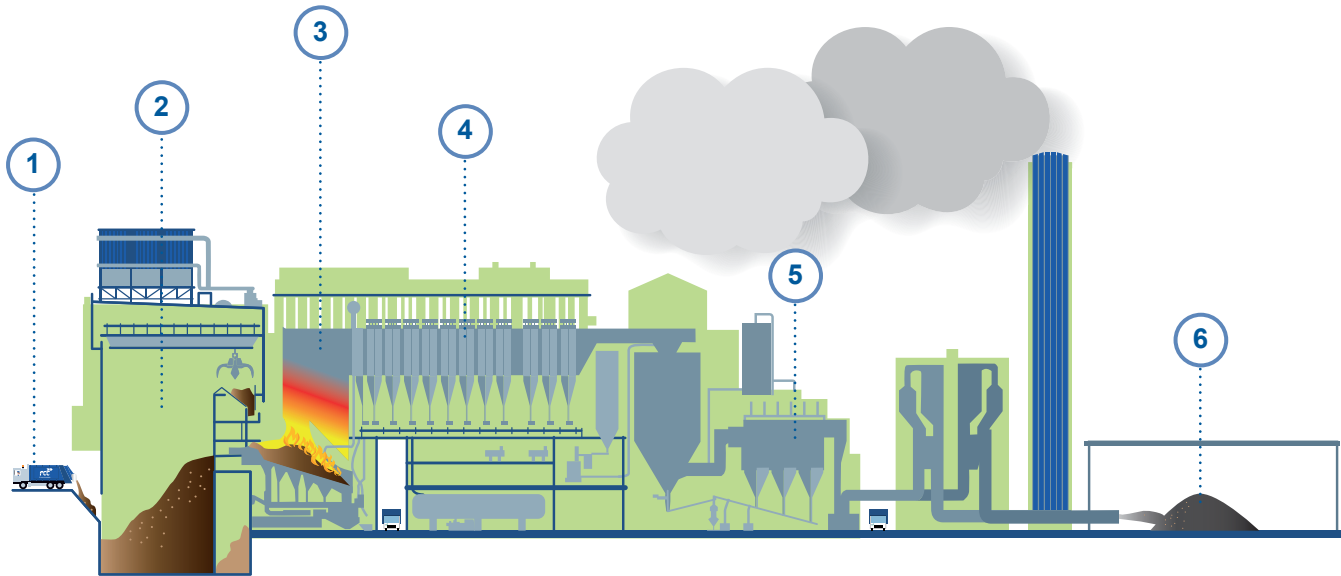


WASTE-TO-ENERGY

Plant Zistersdorf



1 600 tons of waste are delivered to our incinerator per day, up to 70% is delivered by train, **reducing road traffic and harmful emissions**. Waste is delivered in the form of bales, with the approximate weight of 1,5 tons each.

Rail is also used for removal of bottom ash. A special type of wagon – a tank – is used with capacity of 28 tons, meaning a lesser environmental impact from reduced road traffic.

2 **In the bunker there are up to 4.000 tons of waste stored** at any one time before treatment, which is a ratio of at least one per week. The waste is mixed to achieve a stable calorific value (approximately 10,5 MJ/kg).

3 Incineration of 20 tons per hour in a water cooled grate kiln.

4 In the steam boiler the combustion process converts the waste to **steam, with a production rate of 68t/h** at a temperature of 405 degrees celsius and 42 bar. The steam drives a turbine to produce electricity.

5 To meet the most stringent environmental requirements a multi stage pollution control system in the form of a dry sorption system, bag filters and NOx catalyst have been installed. **Emissions are monitored continuously**.

6 Slag stock materials are recycled from the bottom ash (45.000 tons per year).



162.500

tons of domestic and industrial waste is delivered to the waste2energy plant annually. This amounts to around **1,6 million emptied containers**.



20

tonns of waste per working hour is combusted. This means about **750 emptied bins**.



1.900

wagons deliver up to 70% of the inputted materials.



4.900

trucks deliver the remainder of the waste.



106.000

MWh of electricity is produced and delivered to the power grid.



Over 30.000

households are powered by the 15MW electricity with 20KV produced.



3.000

tons of metals are produced and recycled.



40 Million

litres of oil (as a primary resource) can be saved by the incineration process.