



# Pfaffenau waste logistics centre

## A waste management milestone

The City of Vienna handles its waste management from start to finish: From collection and sorting to energy recovery in incineration plants and environmentally compatible disposal of incineration residue at the Rautenweg landfill. The Pfaffenau waste logistics centre (German abbreviation ALZ) is located next to the Pfaffenau waste incineration plant. During normal operations, it processes part of Vienna's residual waste and distributes it to the thermal treatment plants in the vicinity.

### WHAT HAPPENS AT ALZ?

During normal operations, the waste logistics centre treats residual and bulky waste mechanically: waste is shredded, sieved, and metals are removed. The remaining pieces are no larger than 30 cm, the ideal size for the adjacent fluidised bed furnace "WSO 4".

The waste logistics centre also ensures that Vienna's waste management system stays operable even in the event of downtimes or maintenance works at one of the waste incineration plants. The city's three waste incinerators can burn residual waste directly, without the need for further treatment, and bulky waste after some processing.

WSO 4 also incinerates sewage sludge and can therefore only handle shredded and demetalised waste.

With this setup, the City of Vienna ensures the environmentally compatible thermal treatment of the city's waste year round while also producing clean electricity, district heating and district cooling. Scrap metals recovered from the waste are used as secondary raw materials.

### BALE STORAGE



The city's waste volume varies throughout the year. If the volume exceeds the capacity of the waste incineration plants, the pre-treated, compacted waste is stored in bales at ALZ and delivered to the waste incinerators when needed. This ensures optimum waste management and disposal.

### SHORT DISTANCES BENEFIT THE ENVIRONMENT

Because it is directly connected to the neighbouring waste incineration plants, Pfaffenau is the ideal site for this facility. A conveyor belt leads directly to WSO 4.

All processing steps are done in closed buildings with air extraction and state-of-the-art filter systems, so that no additional noise or particle emissions are generated in the district.

### FACTS AND FIGURES

#### WASTE LOGISTICS CENTRE

- Opened in August 2013
- Processes 480 tonnes of waste daily for WSO 4 (regular operations)
- Can process and store up to 2,600 tonnes of waste daily if needed (waste incinerator downtimes or repairs)
- Temporary storage of up to 44,000 bales

#### WASTE INCINERATION PLANTS (operated by the city's utilities company Wien Energie)

for residual waste:

- Pfaffenau
- Spittelau
- Flötzersteig - Vienna's first waste incineration plant

for hazardous waste, sewage sludge and residual waste:

- Simmeringer Haide (WSO 4)



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