How to find us

Arriving on the A671: Take the Hochheim Nord exit and drive onto the B40. Follow the road until the Hochheim Nord turnoff. Turn right there and follow signs for Hochheim. After around 3 kilometres you will reach the biomass power plant.

Arriving on the A66: Leave the motorway at the Wallau exit. Turn onto Wallauer Strasse (L3017) and follow signs for Wicker, Flörsheim. After around 5 kilometres, turn right onto the B40 and follow signs for Hochheim am Main. After around 3 kilometres you will reach the biomass power plant.

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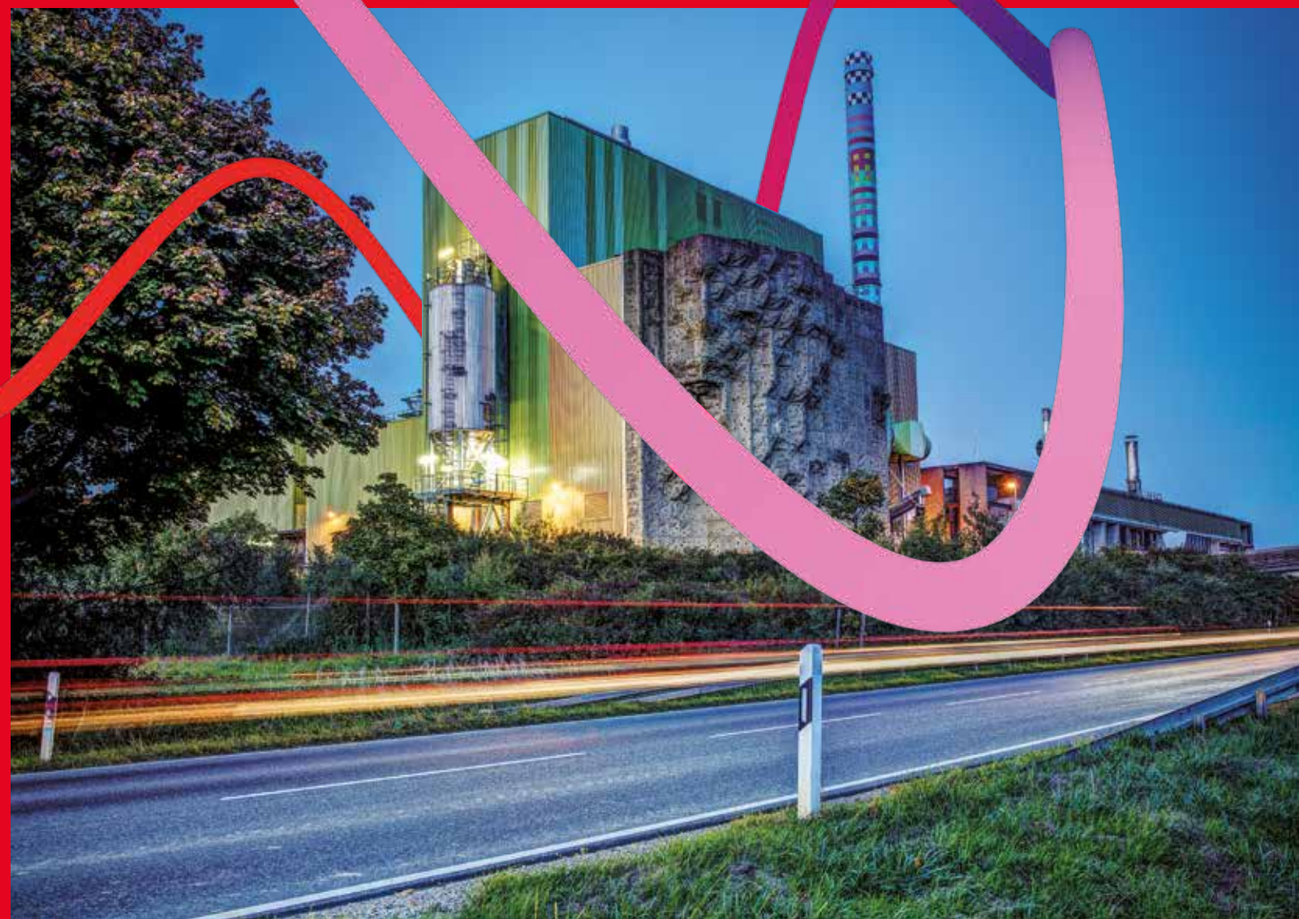
Delivery hours
Mon-Fri 7.00 a.m. - 6.00 p.m.

We inspire
with energy.

Clean electricity from regenerative resources

Our biomass power plant in Flörsheim-Wicker



Renewable energies and energy efficiency

Our future energy supply will be renewable. With more than 50 years of experience in generating energy from waste timber, non-recyclable timber and from household and commercial waste, we are one of the technology leaders in these areas. Our plants in Germany and the UK incinerate more than 2 million tonnes of waste a year and turn this into valuable energy in the form of electricity and heating. In this, we consistently rely on combined heat and power generation to make the most efficient use of the energy contained in the fuel.

End-to-end resource management
As well as planning, building and operating power plants, we also implement end-to-end resource management for our customers. We develop individual strategies for public sector disposal companies and our industrial and commercial partners and take due account of the various kinds of waste and recycling options. We also plan and build waste treatment and power plant facilities using state-of-the-art technology.

Biomass stands for environmental and climate protection
Generating energy from waste timber and non-recyclable timber is particularly beneficial in terms of climate protection and the energy system. After all, timber is a natural product and, when incinerated, only releases that volume of CO_2 which the tree previously absorbed during its growth stage. Electricity from biomass is therefore climate-neutral. Unlike wind and solar power, the power plants are also not dependent on weather conditions. This means they have a particularly important role to play in building a reliable energy supply from renewable sources.

Flörsheim-Wicker biomass power plant

Energy from waste wood: A clean solution for tomorrow´s world

Our biomass power plant in Flörsheim-Wicker has generated energy from the regenerative fuel of timber since 2003. The plant has a timber storage facility, a modern boiler and a flue gas cleaning system that guarantees the lowest possible emission figures.

Boiler with spreader-suspension firing
The power plant incinerates around 13.75 tonnes of waste timber and non-recyclable timber an hour.
Incineration is managed with spreader-suspension firing. This technology involves using air to blow the wood chippings into the firing chamber. This way, the smaller chips already burn while in suspension. Larger chips fall onto the grate, where they burn out. We use the energy from the timber to generate green electricity with a capacity of 17 megawatts.

Using residues and flue gas cleaning
The cutting-edge technology in our flue gas cleaning plant ensures that the power plant falls short of the strict legal threshold values set out in the 17th Federal Immissions Protection Ordinance (BImSchV). In the boiler, nitric oxides (NOx) are broken down using the SNCR (selective non-catalytic reduction) process. De-dusting the waste gases and adding lime hydrate and activated coke ensures that contaminants are bound and subsequently filtered out.
The residues from the flue cleaning process are used as backfill in the mining industry. The burnt-out ash from the firing chamber is put to environmentally-friendly use as a material in road construction and landscaping.

Facts and Figures

Approval
17th BImSchV
Subsidy period
20 years under EEG legislation
Launch of operations
2003
Timber types
AI – AIII timbers
Firing
Travelling grate with spreader-suspension firing
Storage capacity
Approx. 450 Mg
Annual throughput
110,000 Mg/a
Design calorific value
15,400 kJ/kg
Electricity production
115,000 MWh/a
Power plant staff
16 employees