

We reduce the amount of residue generated to a minimum. Any materials left over are treated using environmentally sound processes. If required, we can also arrange for the materials to be collected, transported and sent for disposal

BUCHEN®

WORKING FOR THE FUTURE

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Air preheater cleaning services

BUCHEN is part of the REMONDIS Group, one of the world's largest service providers for recycling, service and water. The companies in the Group operate more than 500 offices and holdings in 34 countries in Europe, Africa, Asia and Australia. The Group employs over 30,000 people, who carry out work on behalf of some 30 million citizens and for many thousands of companies. To the very highest standard. Working for the future.



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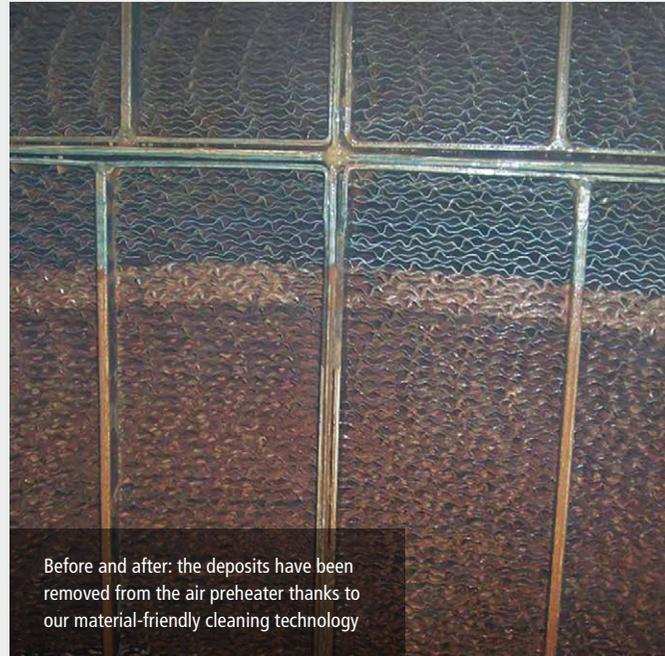
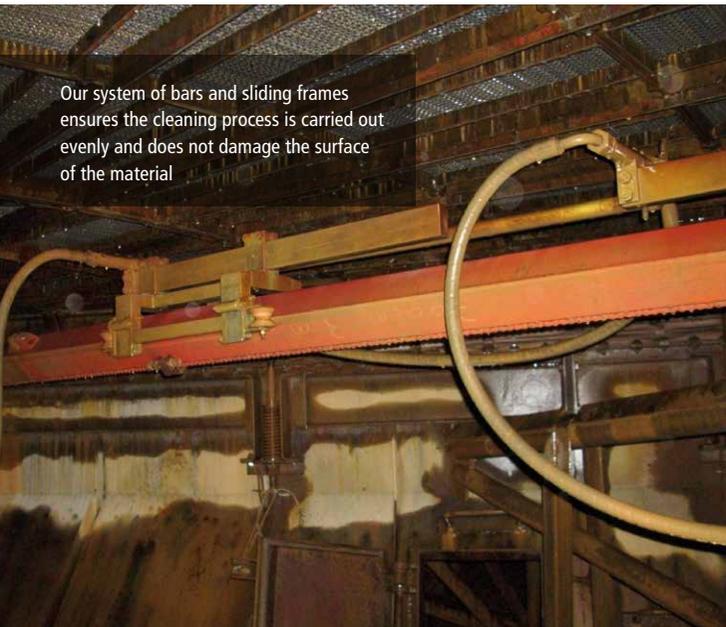
Your specialist industrial service provider for conventional power plants and incineration plants

kraftwerk-service.de

Air and gas preheaters

The flue gases (exhaust gases) generated by the combustion process are used in the air and gas preheaters at power plants to heat up the fresh air required for the incineration process. As the fuel does not have to heat up the air, the plant needs fewer raw materials and the boiler's heating surfaces can be made smaller.

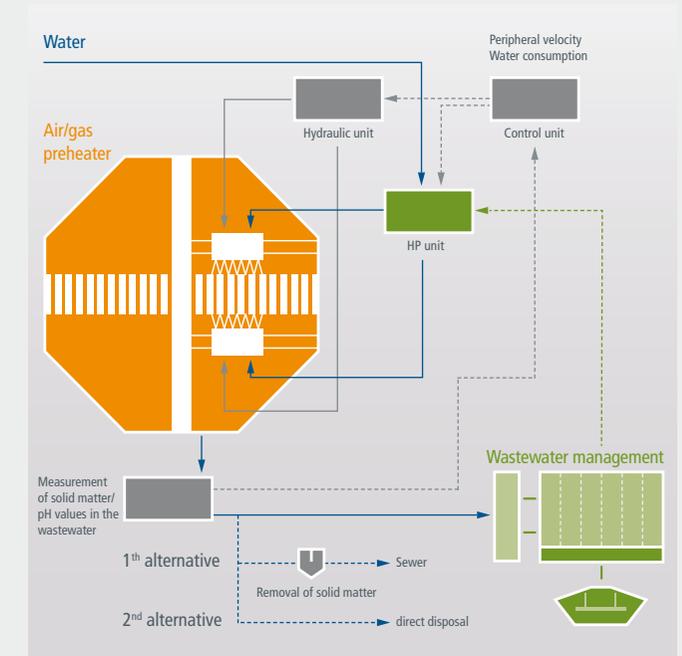
If deposits build up on the surfaces of air or gas preheaters, then less heat is transferred and the steam generation process becomes less effective. Some of the fuel's energy must then be used to heat up the fresh air which means it can no longer be used for heating up the water. The negative pressure in the system rises; forced draught fans and induced draught fans are unable to work as effectively as they should. The result: the power plant operates less efficiently than before.



Efficient technology

BUCHEN KraftwerkService has designed and developed its own fully automated, computer-controlled, high pressure water jetting system. This process uses a system of bars and sliding frames, allowing the large volumes of water (pressure up to 400 bar) to be distributed evenly throughout the preheater – making it a quick and material-friendly method.

The hot and cold sides of the air preheater can be rinsed at the same time, with the whole of the surface being covered to the exact millimetre. This mobile system is self-contained, needs only electricity and water and can be used to clean Ljungström and Rothemühle models. By varying the pressure and the volume of water, we are able to remove even the most stubborn of deposits within no time at all. If requested, we can also handle and manage the wastewater.



> Your advantages

- A clear increase in efficiency rates
- Optimum cleaning results
- Heat transfer in acc. with planning data
- A clear reduction in differential pressure
- Shorter cleaning times
- Energy savings
- Shorter shutdowns
- Increased levels of health & safety
- Less water is needed and less wastewater generated