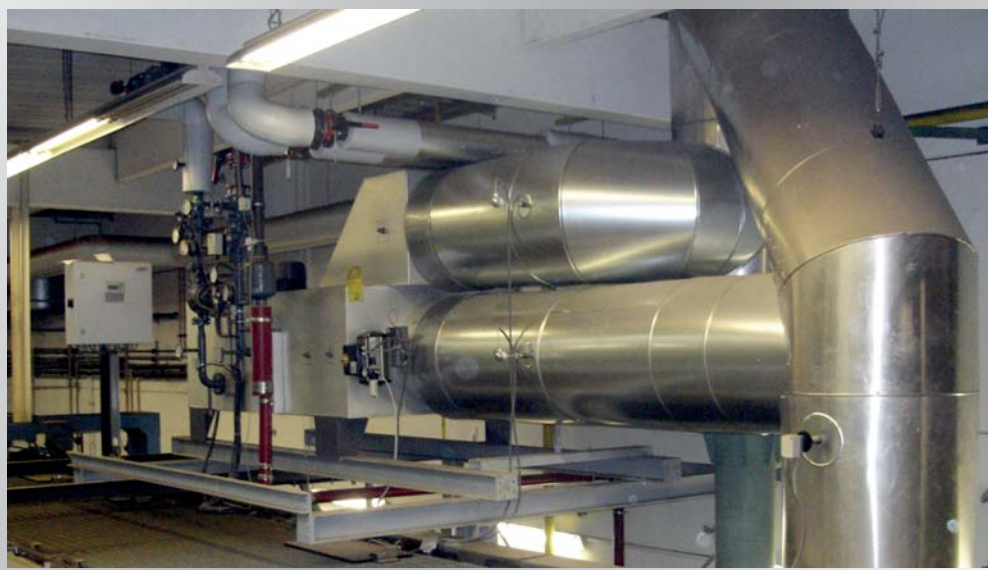
ONI
We use energy sensibly

WHR systems for heat recovery from exhaust gas or HT exhaust air

The generation of valuable useful heat from cost-free waste heat is innovative and saves energy!



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Heat with free waste heat and save!

In many industrial plants, waste heat is available from production processes, which is discharged into the environment unused. This results in a loss of heat energy that has been generated from expensive energy sources, such as electricity, natural gas, or fuel oil!

In addition, there are costs associated with the production of process heat or heating in the most varied areas of the plant. Such waste heat sources can be found in companies in sectors such as hardening plants, foundries, extrusion plants, plastic processing and injection moulding/extrusion, hydroforming, sintering, forming/forging plants, hot and cold stamping plants, powder coating, and heat treatment.

Free waste heat is available, but is not used. Heating is required and must be purchased at high energy costs.

This conflict and the resulting double financial burden can be eliminated easily and efficiently through the use of heat recovery systems. A very worthwhile approach to heat recovery are processes, from which exhaust or higher temperature air must be dissipated. Instead of discharging these waste heat quantities unused into the environment, they can be used to produce free heating or process heat.

Exemplary heat recovery applications can be found in smelters, drying processes, post-combustion plants, and annealing, tempering, or hardening processes. The waste heat is used for heating water as well as high-pressure hot water, steam, and drinking water systems, or for air heating.

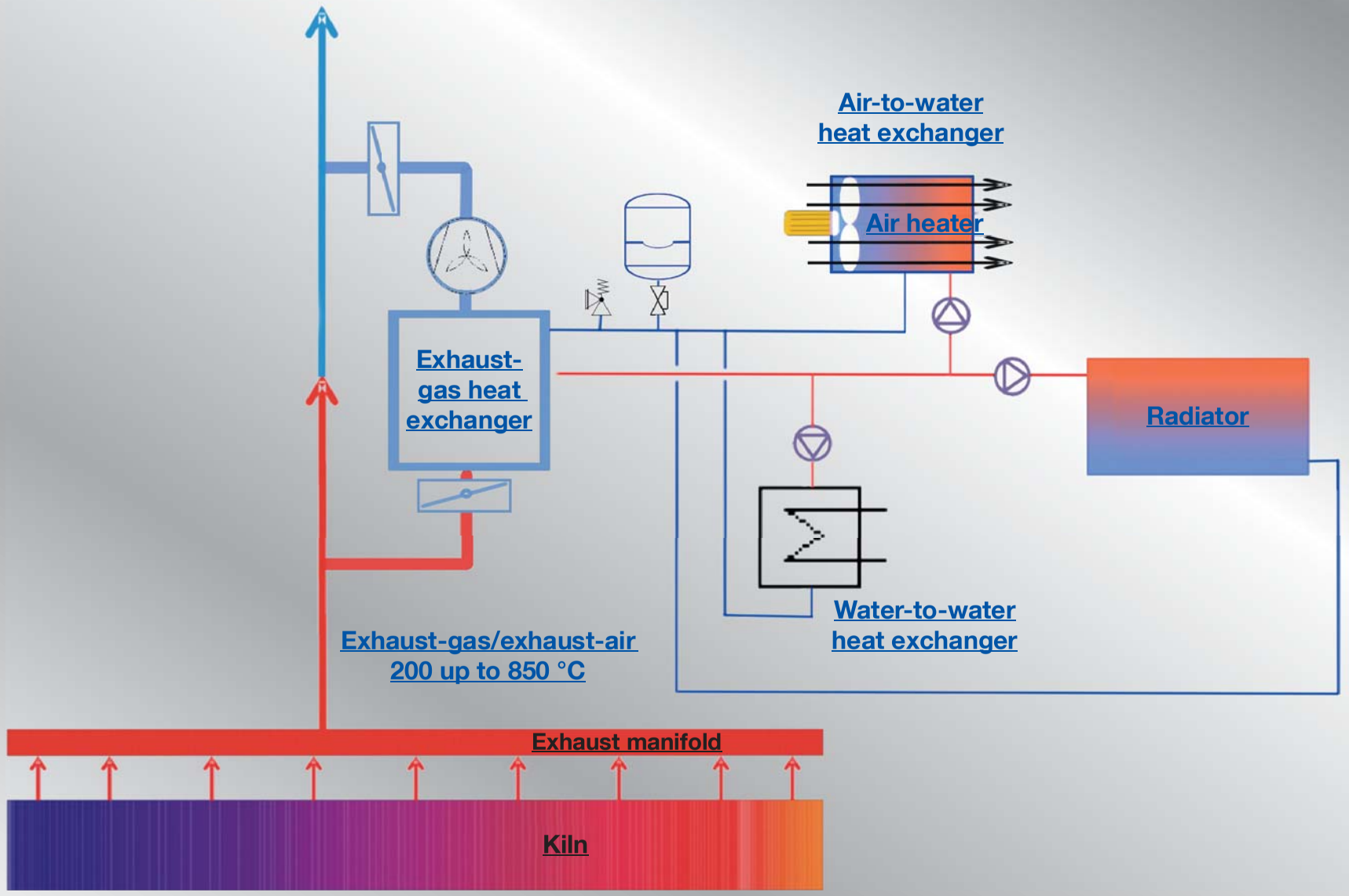
ONI has been developing, planning, and building heat recovery systems for the most diverse applications for over 30 years. With the product range of AWR Systems, we offer industrial plants the right system for almost any application when it comes to the use of waste heat from exhaust gas and exhaust air applications. Our services range from consulting and planning to the turnkey construction of the entire system, including a subsequent maintenance service plan.

We also offer a free energy savings check. After a quick system analysis, we can show you what kind of energy saving potentials could be achieved in your operation from an economic point of view. Talk to us! We are here for you and will be happy to consult with you.

Heat recovery from exhaust gas from a drying kiln for the generation of heating energy.

Energy-efficient container-based cooling system with hydraulically operated cooling tower recooling system.

Schematic diagram of an exhaust-gas heat recovery system. Exhaust-gas heat exchanger in by-pass integration with different waste heat users.



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Energy-efficient solutions from one company


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4. Goldmedaille
für innovative
ONI-Technologie


ENTREPRENEUR
DES JAHRES®
FINALIST
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Handwerkskammer zu Köln
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für
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Ausbildungsleistungen

- Cooling systems / chillers
- Heat recovery
- Temperature-control systems
- Air-conditioning engineering
- Clean-room engineering
- Dry-type coolers
- Compressed-air systems
- Machine optimization
- Combined heat and power plant
- Leasing cooling systems
- Technical advice
- Project planning
- Energy optimization
- Leasing chillers

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