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## **EAF Waste Heat Recovery: Turning Industrial Waste into Sustainable Energy**

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The project involved a revamping of the EAF furnace at the steelworks department, including the construction of a new primary flue gas circuit and the installation of a closed-loop system for heat recovery.

This recovered heat is transferred to the district heating network via 1.2 km of newly installed pipelines, connecting the steel plant to its central heating facility.

As a result, the system can efficiently channel the recovered heat into urban networks, delivering it sustainably as hot water to end users.

The recovery and utilization of heat generated by the steelworks actively contribute to decarbonization of district heating plant, achieving an annual reduction of 11,400 tons of CO<sub>2</sub> equivalent to the environmental benefit of planting approximately 230,000 trees.

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