

INNOVATIVE SOLUTIONS IN ENERGY PRODUCTION

EnergyCase Oy

Energy losses in industrial processes

Industrial waste heat is a major issue in today's manufacturing landscape, representing a significant energy loss that could otherwise be utilized efficiently.

The excess heat generated during production processes is often simply released into the environment, contributing to global warming and wasteful energy practices.

We Turn Waste Heat into Profit

1

Harmful Emissions to Energy

Our innovative solution harnesses wasted energy to increase overall efficiency and reduce environmental impact. We transform waste heat into additional income by implementing flue gas condensers, scrubbers, and absorption heat pumps into the energy production process

2

The Result

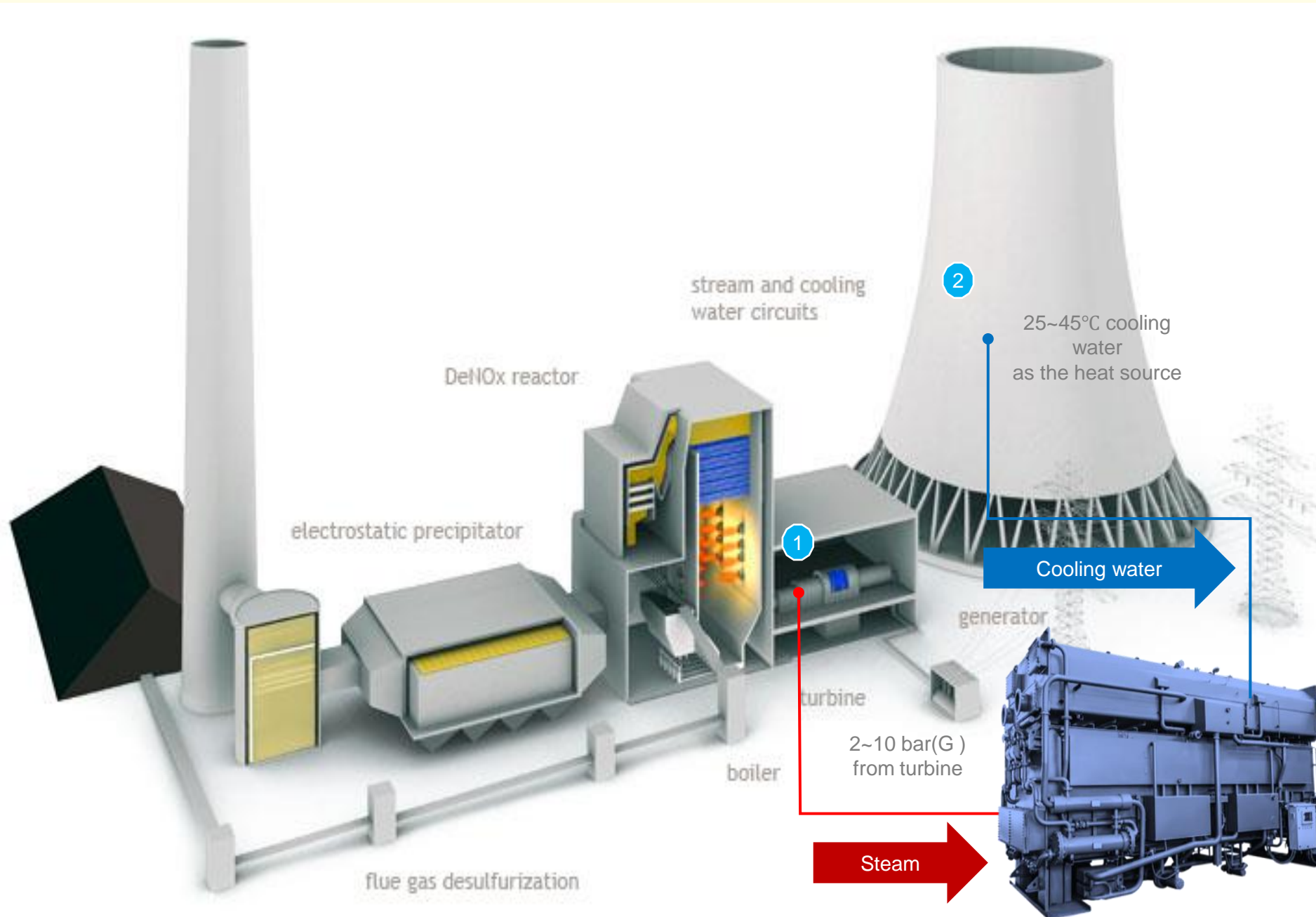
The power plant decreases the carbon footprint, NOx, and other harmful emissions, increase the operational efficiency by boosting the productivity of steam or gas turbines, and balances electricity and heat production.

3

Financial Benefits

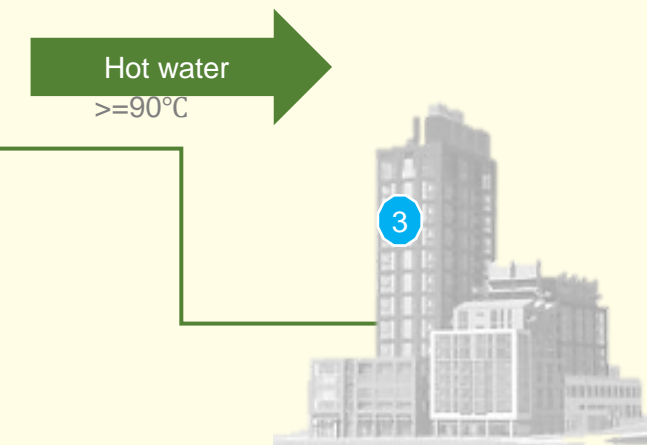
By turning waste heat into income, power plants and other industrial enterprises can reduce their environmental impact and generate revenue.

How does It work?



Essential factors of AHP in thermal power plant:

- 1 Drive energy
- 2 Waste energy
- 3 Heating load & central heating pipe network



About us



EnergyCase Oy specializes in innovative solutions that enhance the efficiency and sustainability of CHP and other cogeneration systems, providing cleaner and more economically viable energy production. Our advanced upgrades optimize performance, reduce emissions, and deliver tangible environmental benefits, meeting the growing demand for green energy solutions



Power Plant Audits

Audit of existing process performance, calculations and improvement proposals



Equipment Deliveries

Absorption and Compression-type heat pumps and water chillers



Engineering

Engineering services for the waste heat recovery processes

The team has broad experience in energy transition projects



Sergei Tchebanov

Sergei is a business professional with 20+ years of experience supplying HVAC equipment worldwide, specializing in tailored solutions for industrial production facilities. With a deep understanding of industry needs, he has consistently delivered measurable business results.

Volodymir Maistryshyn

With more than 30 years of experience in the energy industry, Volodymir specializes in flue gas condenser application heating network optimization. His engineering education helped him register seven inventions. Volodymir participated as a key expert in numerous innovative energy projects. He is a project manager for industrial waste recovery in Dnipro, Ukraine.

Our team reference list

Customer	Project	Year	Country
"Milk visit" dairy plant	Absorption water chiller, cooling capacity 850 KW, engineering services	2024	Ukraine
AB Vilniaus šilumos tinklai	Absorption heat pump, heating capacity 19,5 MW, engineering services	2023-2024	Lithuania
ABB/Almalyk	Water chillers (12 units with total cooling capacity 9,6 MW)	2022	Uzbekistan
National Gas Company	Absorption water chiller, cooling capacity 850 KW	2022	Trinidad and Tobago
USAID	The project of transition to less energy-intensive heat supply systems (consulting, tailoring of heating medium temperatures)	2021	Ukraine
USAID	The project of transition to less energy-intensive heat supply systems (consulting in fuel gas condensers applications)	2021	Ukraine
Bodycote	Open circuit cooling towers	2021	Finland
Danone	Dry coolers	2021	New Zealand



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