WASTE HEAT: A SHORT EXPLAINER

Utilizing waste heat is at the core of RE-WITCH, the project will deliver wasteheat driven industrial cooling in four sectors.



WASTE HEAT AS DEFINED IN THE EU LEGISLATION



'Unavoidable heat or cold generated as a by-product in industrial or power generation installations, or in the tertiary sector, which would otherwise be dissipated unused into the air or water without access to a district heating or cooling

Renewable Energy Directive (RED III ((EU) 2023/2413)



system'.

Waste heat and cold are counted towards renewable energy targets in buildings, industry, heating and cooling sectors.

Europe has considerable opportunities for waste heat recovery from power production, industry and other sectors.

245 Mtoe/year

Estimate of the excess heat in the EU

Waste heat can be directly used at the same or lower temperature, or it can be transformed to electricity or upgraded to a higher level temperature.





500 technical potential for waste heat recovery from industries (Europe).

Barriers

to waste heat recovery



HIGH COSTS

INADEQUATE INFRASTRUCTURE

RESTRICTIVE POLICIES

energy demand.

LACK OF TECHNICAL EXPERTISE



RE-WITCH will deliver game-changing solutions in the field of sustainable industrial cooling and heating by demonstrating thermally-driven industrial cooling technologies.

Find out more in a report by RE-WITCH partner iEECP:

"Analysis of related EU, national and/or regional policies, and standards"







www.re-witch.eu



