

RE-WITCH replication campaign - Engagement letter

On behalf of the whole consortium, I am pleased to invite you to collaborate in our Horizon Europe project “Renewable and Waste heat valorisation in Industries via Technologies for Cooling production and energy Harvesting – RE-WITCH” (*Grant Agreement No. 101138697*), which develops cost-competitive and innovative solutions for sustainable industrial heating and cooling.

The project demonstrates advanced heat-to-cold (H2C) technologies that integrate low-grade waste heat and renewable sources. We have developed an integrated modelling platform that combines energetic, thermo-economic, and system optimisation tools. This platform is designed to assess the technical and economic viability of RE-WITCH solutions and to support their replication across different industrial contexts.

For you as an industrial partner, participation to the replication campaign offers the following benefits:

- Early access to advanced simulation and optimisation tools to **support decarbonisation** of your processes;
- A **customised assessment** of potential technology integration scenarios at your facilities;
- Enhanced visibility as an innovation leader in Europe’s **sustainable industrial transition**.

To validate and maximise the impact of these tools, we are seeking engagement with industrial partners willing to provide access to energy datasets (e.g., heat and cooling demand profiles, electricity consumption, operational schedules). These data will enable us to:

- Test and calibrate the RE-WITCH modelling suite under real operating conditions;
- Identify tailored opportunities for integrating H2C and Thermal Energy Storage solutions in your processes;
- Quantify potential benefits in terms of cost savings, energy efficiency, and CO₂ reduction.

Data will be stored securely and used only for the purpose of the replication studies and they won’t be neither shared with third parties outside the RE-WITCH project consortium nor made public. For further security on data handling, the consortium is open to signing an NDA.

Importantly, your **participation will be cost-free**. The consortium will carry out the analyses and prepare a pre-feasibility study report at no expense to you. Your involvement will only require the provision of **process data** and participation in a limited number of short **online meetings** to align on the analyses to be performed and to clarify data collection needs.

We would be delighted to discuss with you how your organisation could apply to become a **replication partner** and how data sharing can be handled in a secure and confidential manner.

Please let us know your availability for a short meeting to explore this opportunity further. Thank you in advance for considering this collaboration. We look forward to the possibility of working together.

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