

## Push2Heat Partners



Follow Push2Heat online  
to stay up-to-date with the projects  
developments



[linktr.ee/push2heat](https://linktr.ee/push2heat)



Funded by  
the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

# Push2Heat

Pushing forward the market potential  
of heat upgrading technologies in the  
industrial sector

## Overall Scope

**Push2Heat** is an **EU-Funded** project that aims at addressing the technical, economic, and regulatory barriers that prevent **heat upgrading technologies** to be widely deployed. It will do so by **scaling up four different heat upgrading technologies** (whose supply temperatures range from **90 °C to 160 °C**) to **optimise** their **efficiency** and **economic performance**. In addition, it will focus on **integrating** them into the relevant industrial sectors such as the **paper and chemical** industries. The four technologies will then be **demonstrated** in selected industrial sites.

The project will also work towards **demonstrating** suitable **business models** and dedicated **exploitation roadmaps** for **higher market penetration** of **heat upgrading technologies**.

## Technologies involved

Push2heat technologies will be demonstrated in the **paper** and **chemical** sectors

### Electrically driven heat pumps



- Vapour compression heat pump with piston compressors
- Vapour compression heat pump with turbo compressors

### Thermally driven heat pumps



- Large Scale absorption heat pump transformer
- Thermochemical heat transformer

## Demonstration sites

- Weissenborn, Germany
- Guarcino, Italy
- Belgium

## Expected outcomes



Demonstration of heat upgrade systems for industrial processes using waste heat of 90°C to 160°C.



Development of business models and contractual agreements for using upgraded heat within the industrial plant, neighbouring plants, or external heating network.



Upscaling and improvement of the techno-economic performance of heat upgrade technologies for integration and adaptation to more industrial processes



Increased awareness of the benefits and challenges of heat upgrading in relevant industrial sectors