

Financing and realising energy efficiency and renewables in industry

**A Horizon 2020 project to finance and realise
energy efficiency and renewables in industry**

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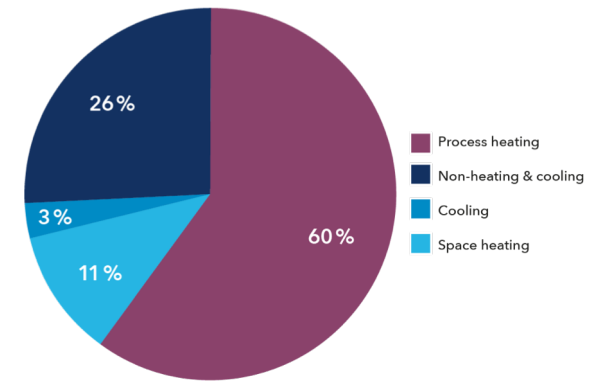


Co-funded by the Horizon 2020 programme
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Challenges

- Process heating accounts for 60% of EU industrial energy use
 - About 1,920 TWh, 18 % of total EU energy demand¹
- Energy efficiency and renewable energy projects are economically feasible.
- However, even well-designed projects fail to attract viable financing due to:
 - Risk mitigation problems with innovative projects due to lack of technical knowhow among banks and investors
 - Transaction costs high relative to capital requirements
 - Projects developed by or for small and medium enterprises often lack necessary credit and performance guarantees required by financial institutions
 - No standardized procedure (technical and economic) and by this time and resource consuming
 - No industrial standards (only building area)

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Energy use for heating demand in EU¹



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Achieved

- Beta-testing of automated and standardised project assessment platform
- Refinancing of industrial EE and RE projects through unique Securitisation Vehicle
- Minimised risk for end-user, investor (technical) and supplier (capital tie-up)

Next steps

- *Project acquisition* of well-developed industrial projects on process heating – state of the art / innovative: solar thermal, biomass, biogas, heat pumps and energy efficiency (heat recovery)
- *Investor acquisition*
- *Pool of Supplier acquisition*

INDUSTRIAL PROCESS HEATING

1920
TERRAWATT HOURS

18%
OF EU CONSUMPTION



Thank you!

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