



ACHIEF

Innovative high performance **Alloys** and **Coatings** for **H**ighly **E**fficient intensive energy processes

The **ACHIEF project** aims at improving process performance and energy efficiency in EIs by developing more durable materials components and equipment.

How will the project achieve this?

- Implementing novel Integrated Artificial Intelligence-aided Materials Toolbox (IAIMT)
- Developing novel efficient materials & coating solutions
- Validating the developed materials & coating solutions in three end user's cases: aluminum, steel, petrochemicals
- Promoting and disseminating the results of the project



ACHIEF's is working towards **making a difference in the future Energy Intensive industrial sector: more efficient and sustainable.**

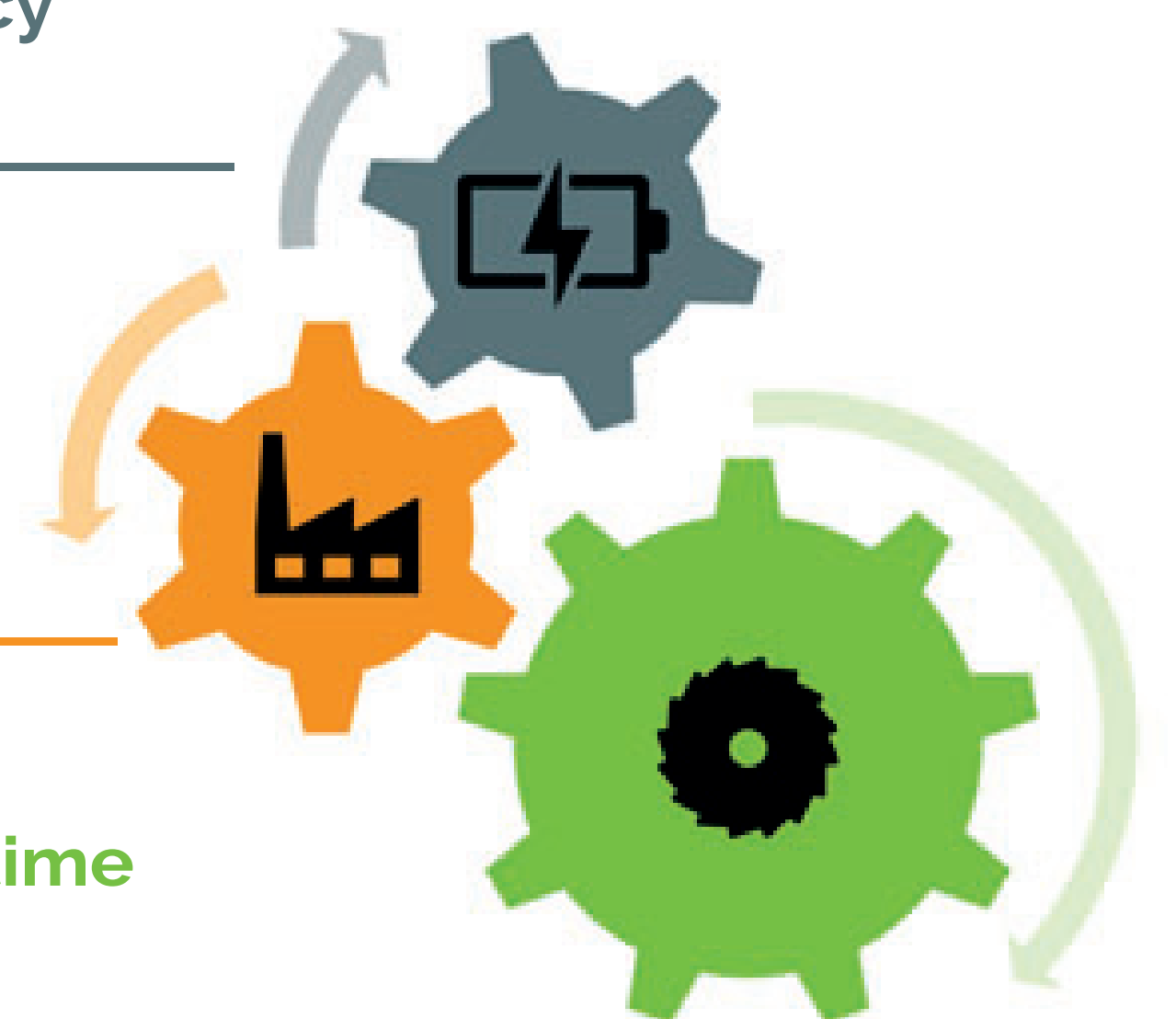
The project novel intelligence solutions will make an ambitious contribution to the European Action plan on energy efficiency aiming at:

- cutting energy consumption by at least 32.5% and CO₂ emissions by 40% by 2030,
- improving energy efficiency by 30%,
- reducing CO₂ emissions and resource utilization by 20%, and
- increasing lifetime equipment of more than 20%.

Improving energy efficiency by 30%

Reducing CO₂ emissions by 20%

Increasing equipment lifetime >20%



€ 5.8 MEUR



42 MONTHS

1 October 2020-31 March 2024



11 PARTNERS



7 COUNTRIES



Contact us

PROJECT COORDINATOR



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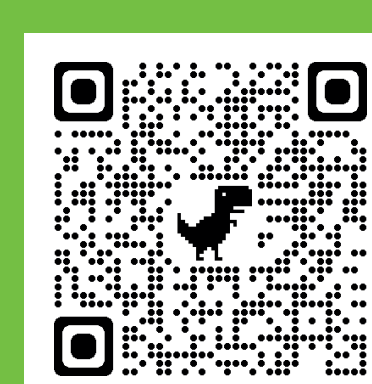


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