



Advanced technologies for decarbonisation, energy efficiency and industrial circularity – EFICO2

PROJECT DESCRIPTION – ZL-2025/00529

Within the framework of the EFICO2 project, several companies from the industrial and environmental sectors are collaborating in the development of innovative technological solutions aimed at improving **decarbonisation, energy efficiency and the circularity of industrial processes.**

The project's main objective is to research and validate new technologies that optimise the use of resources, reduce energy consumption and minimise emissions associated with industrial activity, thereby contributing to the transition towards more sustainable and competitive production models.

The activities carried out range from the analysis of existing industrial processes to the design and implementation of advanced solutions integrating emerging technologies. These include the development of systems to improve energy efficiency, the valorisation of by-products and the optimisation of raw material use within a circular economy approach.

The project also includes the validation of these solutions in real environments, facilitating their integration into industrial processes and assessing their technical, economic and environmental viability. In this way, the aim is to demonstrate their applicability at industrial scale and their ability to generate a positive impact both in emission reduction and in operational performance improvement.

The participating entities work in a coordinated manner on the development of prototypes, experimental trials and techno-economic analyses, with the aim of consolidating innovative solutions that drive industrial sustainability.

In this context, TAMOIN leads the project, coordinating the research and development activities and contributing its expertise in energy efficiency and decarbonisation, while the remaining partners contribute from their respective industrial fields to ensure the validation and transfer of the solutions developed.

CONSORTIUM

Participants:

- Lead partner: TAMOIN
- Partner 2: AGALEUS
- Partner 3: ACERIA DE ALAVA
- Partner 4: ASFALTIA

Basque Network of Science, Technology and Innovation (RVCTI) agents:

- TUBACEX INNOVACIÓN, S.L.
- FUNDACION TECNALIA RESEARCH & INNOVATION

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- **2025 ACERIA DE ALAVA budget:** €105,573.16
- **Duration:** 2025–2027

