

## An Erasmus+ Cooperation Partnership project Project period: 2023-2026

There is a need for new teaching methodologies that allow a multidimensional formation that integrates the social, the economic and the environmental points of view with the core technical contents of the courses of engineering and technical degrees.

In a society, in particular among the youth, with an increasing commitment to social, economic, political and environmental EU values, teaching and learning practices that integrate these values with the development of technical skills will be rewarding for both, society and future professionals.

# ENGGood

Engineering for Good: Including a Social Perspective in Engineering Programs



## Goals & Objectives

The project aims to develop a training program for a multidimensional enhancement of technology courses, integrating the analysis and evaluation of engineering technologies from various perspectives: political, economic, and environmental. The ultimate goal of the project is to equip future engineers with the skills necessary for a comprehensive examination of how new technologies, including their commercialisation, can impact personal, social, economic, or political levels.



## Results achieved

1. Development of the training program which will focus on:
  - Definition and specification of the training program and materials.
  - Training the trainers event. Experience and critical evaluation of the training program.
  - Virtualization and translation of training materials to participants' languages.
2. Teaching training program to students to put into practice and evaluate the teaching methodology:
  - Pilot on the participant Higher Education Institutions (HEI) (local course).
  - Evaluation and report of local courses.
  - International School in Porto.
3. Dissemination and exploitation of the project results.



## Next actions

Strategies to incorporate soft skills in Engineering curricula (and, in general, in all HEI curricula) are among the hottest topics in the academic partners. The evolution from traditional curricula to those involving social, environmental, or economic impacts represents an important effort when all HEIs look for adapting to Sustainable Development Objectives. The project will interconnect different innovation elements in order to reach effectiveness and quality all together.

1. **Collaboration among partners** that come from different fields of knowledge (business, engineering, humanities).
2. **Technology focusing on social commitment** – the integral approach to solving problems from an engineering background, considering the implications on all aspects of life and society, leads to more involved and conscious technicians.
3. **Immediacy** – focusing on the methodology, rather than on the contents, the implementation of the method will be faster.



## Project partners

**Coordinating institution:**  
Kauno Technologijos Universitetas (Lithuania)

- Partner institutions:**
- Universidade de Vigo (Spain)
  - Universiteit Gent (Belgium)
  - Instituto Politécnico do Porto (Portugal)
  - Fundacja Graceland (Poland)