

## INSIDE THIS ISSUE

### PG. 2

gives a description of the Project's mission to innovate Mechanical Engineering education for a global, digital workplace.

### PG. 3

describes the project's objectives and identifies the collaborating consortium

### PG. 4

presents the comprehensive structure of the project by distinct Work Packages

### PG. 5

shows the project's expected impact



## LAUNCHING NEW ERASMUS+ PROJECT CODEPIE5.0

### KICK-OFF SUCCESS!

Welcome to the first newsletter of our project!

**Consolidation of the Development Framework for International University Programs through the Integration of Education 5.0.**

Project code: **2025-1-RO01-KA220-HED-000355871**  
Implementation period: 1.10.2025 - 30.09.2028

This issue introduces our ambitious new Erasmus initiative, its core goals, the distinguished partnership, and the initial steps taken to launch our three-years journey.



# PROJECT OVERVIEW

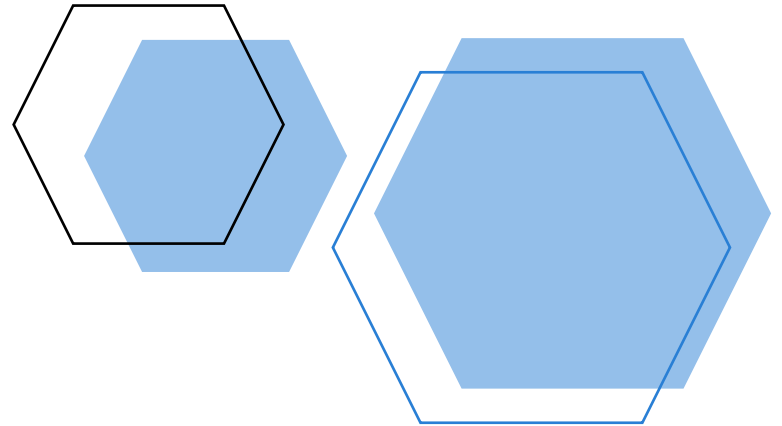
## INTRODUCTION

We are excited to begin this collaborative effort to innovate technical higher education and prepare the next generation of mechanical engineers for a global-digital workplace.

The project supports innovative teaching methods, facilitates international collaboration, and provides students with improved learning opportunities that prepare them for a globalized industry.

We aim to support both students and academic staff in developing technical and linguistic skills, while also strengthening institutional collaboration and industrial relevance.

The industrial partner, Gühring company, will support the development of the curricula by providing relevant industry perspectives and will help integrate industrial projects into the educational process.

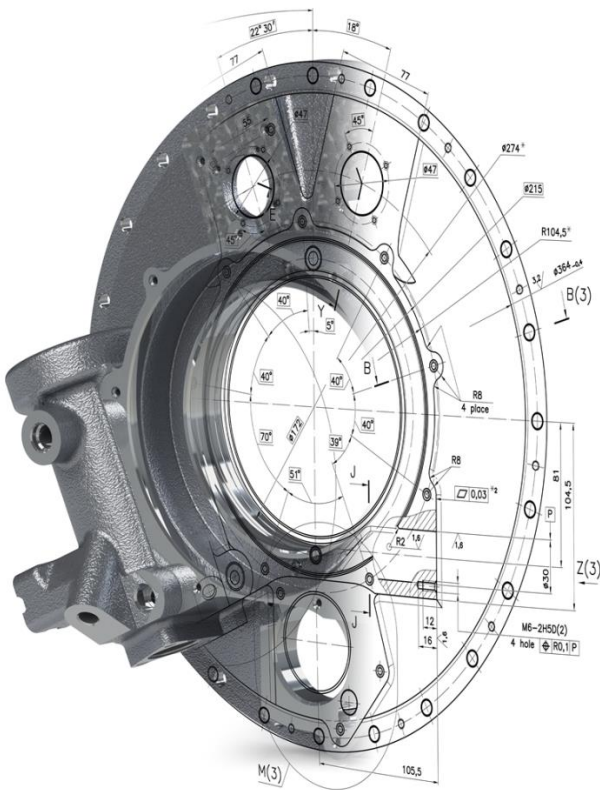


# MECHANICAL ENGINEERING EDUCATION FOR THE FUTURE

## PROJECT GOAL

The CODEPIE5.0 Project aims to consolidate a modern, flexible educational framework through the integration of Education 5.0 principles. The project focuses on integrating digital technologies and intercultural elements into Mechanical Engineering bachelor programs.

The core idea is to improve the German-taught bachelor programs at Technical University of Cluj-Napoca and Technical University of Sofia by using the experience and models of similar programs from University of Stuttgart and Campus02 Fachhochschule der Wirtschaft GmbH Graz.



# WHAT WE AIM

## PROJECT OBJECTIVES

Over the next three years, we will concentrate on four interconnected strategic pillars:

- **Integrating Modern Digital Learning Tools:** Developing innovative resources and a robust educational platform.
- **Improving Intercultural Competence:** Enhancing the ability of students and academic staff to collaborate across borders.
- **Enhancing Academic Mobility & Recognition:** Streamlining the mutual recognition of micro-credits.
- **Aligning Curricula with Industry:** Ensuring that our bachelor programs taught in German meet the evolving needs of the labor market.

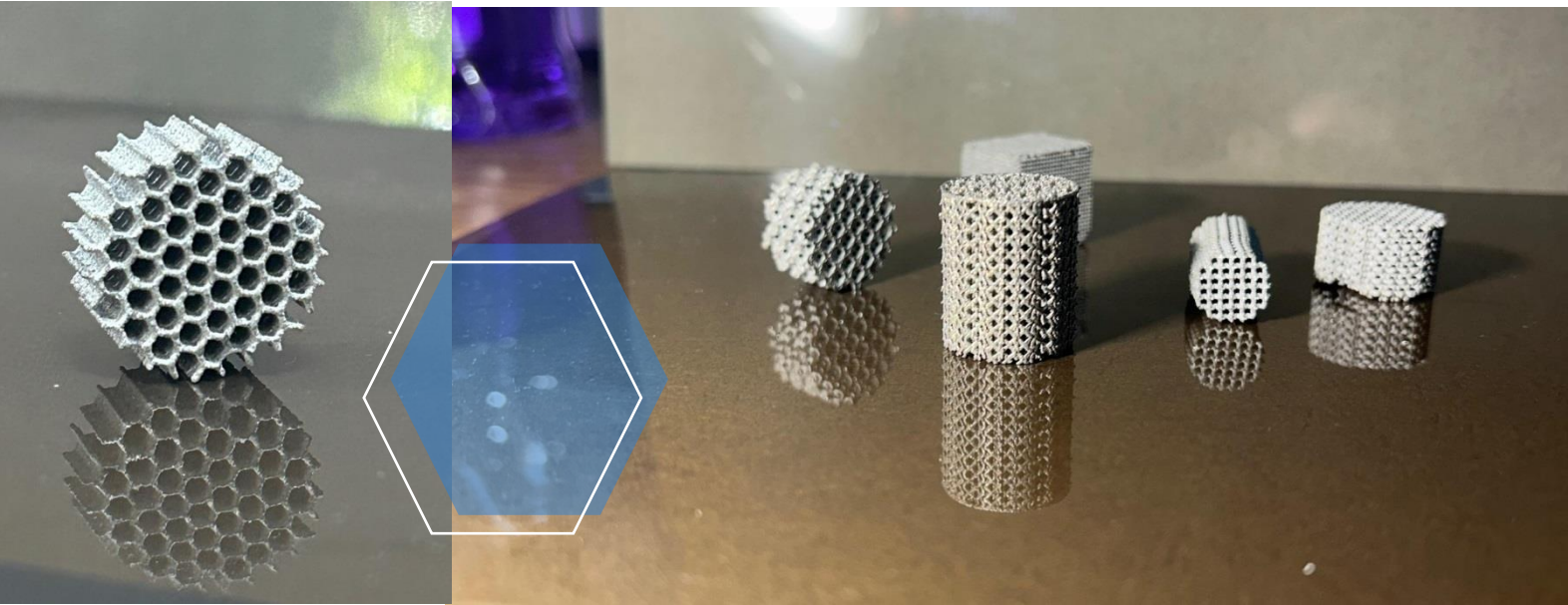
# THE POWER OF PARTNERSHIP

## MEET OUR CONSORTIUM

A strong, specialized consortium is the key to our success. We are proud to bring together four leading higher education institutions and an important industry partner, each contributing specific expertise in manufacturing engineering, mechanical engineering, mechatronics, curricula development, and digital learning.





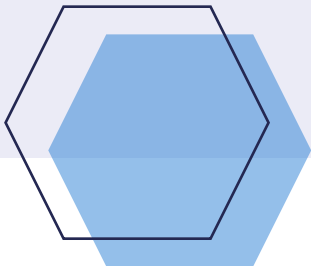
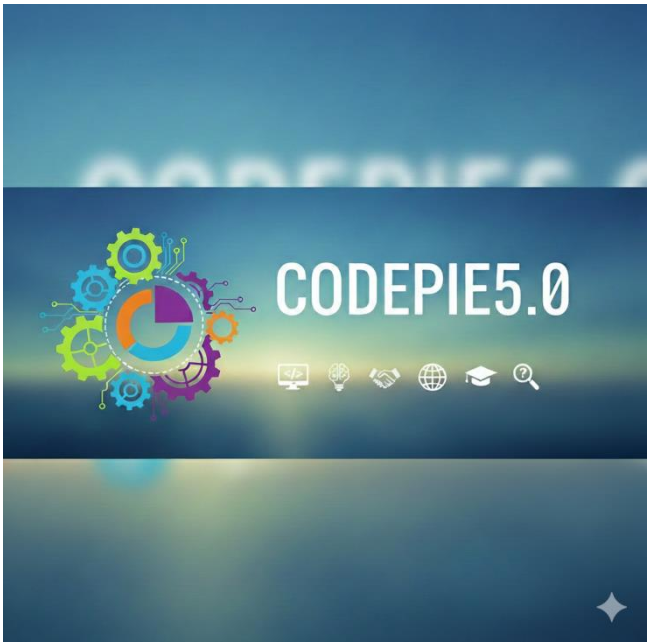


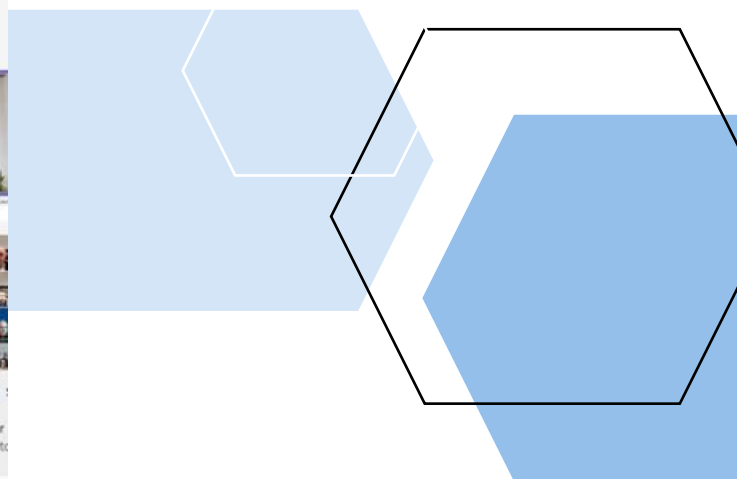
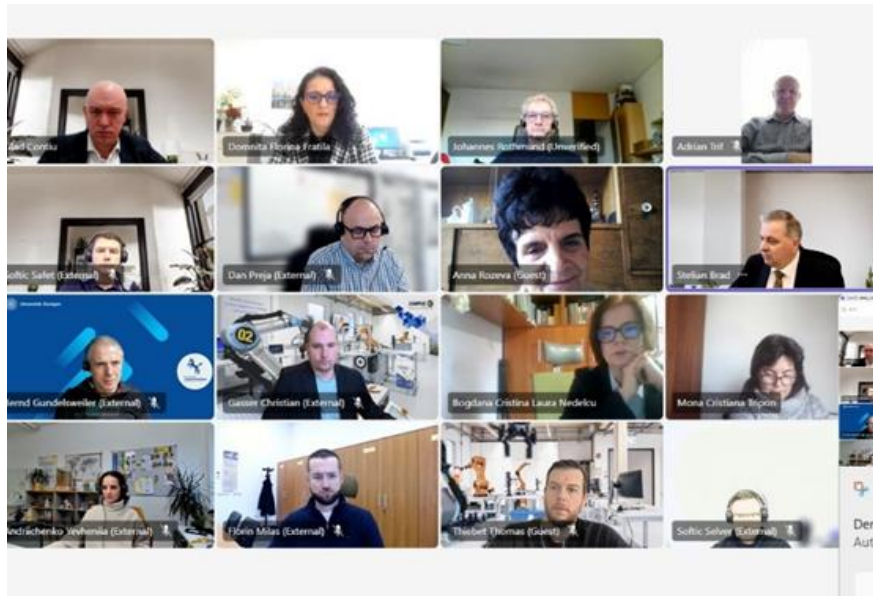
# OVERVIEW OF THE WORK PACKAGES

## PROJECT ACTIVITIES STRUCTURE

The project activities are structured into five comprehensive Work Packages (WPs) that will guide our collaborative implementation:

- WP1 – Project Management:** Ensures effective coordination, monitoring, and implementation according to the work plan. It also includes regular progress meetings and reporting from all partners.
- WP2 – Digital Technologies for Education:** Development of digital learning modules and a digital educational platform.
- WP3 – Intercultural Competence & Language Skills Development:** Soft landing and adapting guides, Intensive Academy sessions, and Language Café sessions for improving technical and linguistic skills for academic staff and students.
- WP4 – Curricula Alignment & micro-ECTS Recognition:** Review and update of curricula, creation of a micro-credit recognition procedure across partner institutions.
- WP5 – Dissemination:** Promotion of results through brochures, newsletters, workshops, seminars, and digital communication tools.



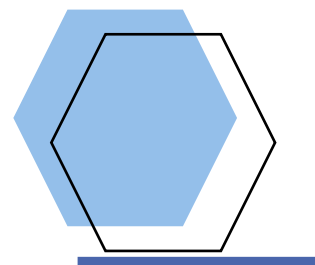


# SETTING THE FOUNDATION

## KICK-OFF MEETING SUMMARY

The recent kick-off meeting brought together representatives from all partner institutions to align expectations and establish the implementation plan for the first project stages. This meeting laid the foundation for effective collaboration and coordinated action. Key outcomes included:

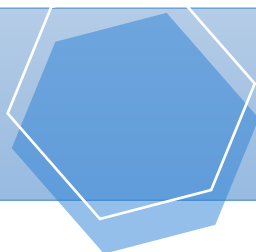
- Establishing the operational structure and communication flow/channels
- Defining the responsibilities of each partner within the work packages
- Setting the schedule for upcoming tasks in WP2, WP3, and WP4
- Agreeing on effective dissemination and reporting mechanisms
- Planning the next actions



## EXPECTED IMPACT

CODEPIE5.0 Project is expected to bring significant benefits to the technical education landscape:

- **Competency Boost:** Improved technical, digital and intercultural competencies for both teachers and students
- **Modern Curricula:** Modernized curricula in Manufacturing and Mechanical Engineering fields that are demonstrably aligned with evolving industry needs
- **Enhanced Mobility:** Soft landing and adapting guides and a functional micro-ECTS recognition framework that facilitates seamless academic mobility across partner institutions
- **Stronger Ties:** Strong, sustainable partnerships among universities and industry stakeholders
- **Students Success:** Increased student engagement, motivation, and preparedness for the global labor market



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