# CORE IC's shadowing activity

In December 2023, CORE IC initiated the shadowing activities, as part of Work Package 1. The shadowing program aims to facilitate close collaboration between CORE IC and counterparts from twinning countries, including observing the development and operation of services by other teams, pairing with different scientists for collaboration on specific tasks, attending company staff meetings, and learning to utilize the facilities of the visited labs.

2 Data Scientists and 1 backend engineer from CORE IC traveled to Hagenberg, Austria in December 2023. The agenda included a meeting with SCCH partners, participation in a Big Data workshop organized by SCCH, visits to the facilities of KEBA & FILL, learning more about their operations, focus, and structure, visiting the Association Industry 4.0, and touring TU Vienna Pilot Factory.

During the recent industrial visits, CORE IC gained invaluable insights into pivotal aspects of contemporary industry development. Key takeaways from these engagements included:

1. Standardization of Big Data Pipelines: Exploring methods to scale data pipelines according to specific needs, addressing a critical requirement in the realm of advanced data utilization.
2. Technology Innovations and Applied R&D: Engaging discussions and observations centered around the latest technological innovations and applied Research and Development, providing a comprehensive view of cutting-edge advancements.
3. Communication, Dissemination, and Innovation: The discussions underscored the paramount importance of effective communication, widespread dissemination, and continuous innovation for the successful adoption of AI and Industry 4.0 solutions in the industrial and manufacturing sector. These elements were identified as key drivers in steering technological evolution within the industry.

*Figure 1: Display of various responses of the AI UI module - KEBA Innospace*

The shadowing program also explored new and diverse project management approaches adaptable for the company and the Greek Smart Factory platform. Furthermore, it investigated the role of AI/Digital Twins in industrial applications and their potential impact on business operations.

The overarching goal of these endeavors was to achieve multiple objectives, including strengthening relationships with existing partners through collaboration and knowledge sharing, establishing new connections with potential partners, acquiring diverse know-how from advanced or established entities to support the growth of the Greek Smart Factory platform, and facilitating knowledge transfer within the organization by gathering insights from various sources.

## About the project

**Project title:** Twinning to build an industrial ecosystem around the core principles of Industry 4.0 and Digital Twin

**Project ID:** 101079180

**Start Date:** 1/1/2023

**Project Duration:** 36 Months

## Consortium

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