

Industry5.0 guidelines and tools with a work-centered approach for the EU furniture sector digitalization.

## ABOUT THE PROJECT:

- The European Union is actively advancing and expanding the Twin Transition (Green & Digital) towards the concept of **Industry 5.0**, which prioritizes worker wellbeing at the core of the production process. By harnessing **new digital technologies, such as Artificial Intelligence, Industry 5.0 aims to foster business prosperity that goes beyond efficiency and productivity**, while ensuring that industrial growth respects the planet's ecological boundaries.
- FURN5.0 will focus on **equipping EU furniture companies with the necessary tools, skills, and guidelines to facilitate their transition towards Industry 5.0**. The project will address key challenges and offer practical solutions to support companies in becoming more competitive and resilient.
- By addressing the **evolving needs of the furniture industry, FURN5.0 aims to contribute to a more sustainable, human-centric, and innovative future for the sector and beyond**.
- **Implementation period: 01/05/2024 - 31/04/2026**

## DELIVERABLES:

**Report on Industry5.0 in EU manufacturing** identifies opportunities, challenges, and impacts.

**Report on the maturity level of EU furniture companies in Industry 5.0 deployment.**

**Guide for developing Industry5.0 practices for furniture companies.**

**Online self-evaluation tool for companies to assess their readiness for Industry 5.0**

**Recommendations for furniture sector stakeholders on identifying digital, green, and soft skills needs.**

## GOALS

The goals of the FURN5.0 project resonate strongly with the key priorities set forth by the European Commission, ensuring a cohesive approach to the challenges facing the furniture sector. These alignments are evident in two major areas:

- **EUROPEAN GREEN DEAL:** The project is dedicated to supporting the European Union's ambition to become the first climate-neutral continent. By promoting Industry 5.0 principles, which integrate environmental sustainability into production processes, the FURN5.0 project aligns with the Green Deal's objectives to enhance circularity and reduce the ecological footprint of the furniture sector.
- **EUROPE FIT FOR THE DIGITAL AGE:** FURN5.0 contributes to the digital transformation of the furniture industry by equipping companies and workers with the necessary knowledge and tools to adopt advanced technologies. This initiative not only enhances the understanding of new technologies but also empowers stakeholders to leverage these innovations for sustainable growth and competitiveness.

## What is Industry 5.0?

- Industry 5.0 is an **evolution of Industry 4.0**, where the focus is not solely on automation and digitalization, but also on **creating value for people and the planet**. It emphasizes **human-centricity**, ensuring that technological advances, such as AI, **robotics**, and **data analytics**, serve to enhance the **wellbeing of workers** rather than replace them.
- By balancing technological progress with social responsibility, Industry 5.0 aims to create a future where **businesses are more resilient, environmentally conscious, and committed to societal goals beyond profit**.

