

# Study On Industry 5.0 Applied To The Footwear Industry In Europe

# Summary

### What is i5.0?

Industry 5.0 adds social equity and sustainability to the above, emphasising humanity, the long-term progress of society, conservation and rational exploitation of the planet's resources.



#### **Key Changes**

- Centralisation in the Human Being
  - Changing the Role of the Employee
  - Link Worker-Technology
  - Re-skilling, Up-skilling and Skills
  - Safe and inclusive work environments
  - The new generations "Y" and "Z"
- Sustainability
- Resilience

#### Industry 5.0 enabling technologies

Resilient

Human Centric

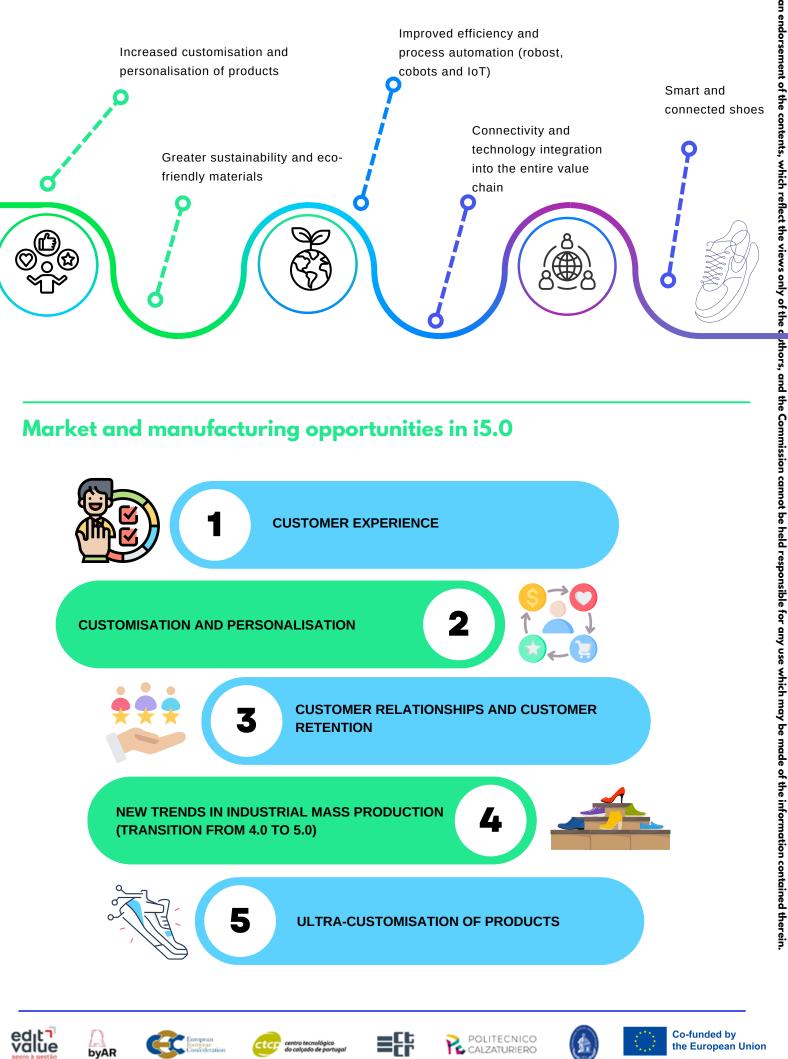
Industry

5.0

Sustainable

- Human-centric solutions and human-machine-interaction technologies machines
- Bio-inspired technologies and smart materials
- Real time-based digital twins and simulation
- Cyber safe data transmission, storage, and analysis
- Artificial Intelligence
- Technologies for energy efficiency and trustworthy autonomy

## Potential Impacts in footwear industry



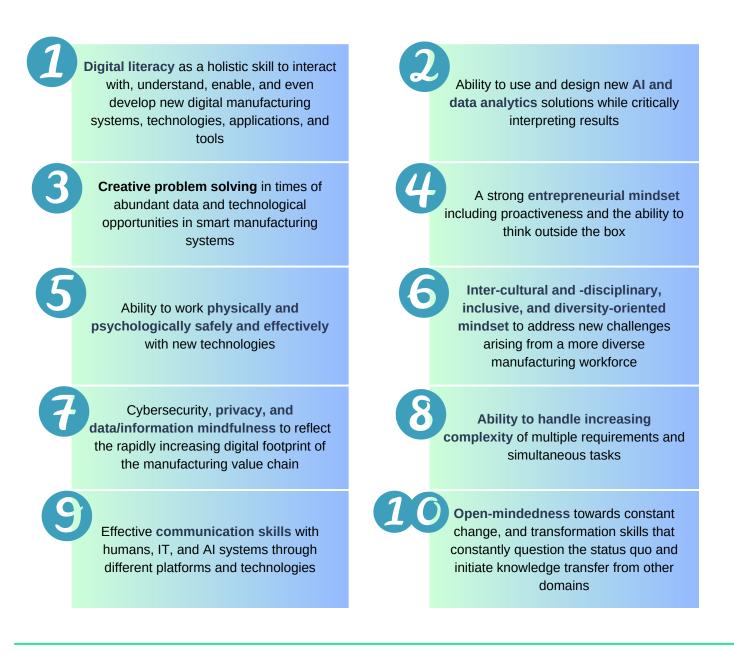


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# **Education and Training**

The World Manufacturing Forum has identified a top-10 of skills that will be needed in future manufacturing.



#### Challenges for the education sector

- Preparing students for jobs that don't exist
- Providing digital skills to learners and teachers
- · Adapting teaching and learning methods
- Ethical use of technologies (AI)

