

SHOE 5.0: EMPOWERING THE FOOTWEAR INDUSTRY WITH AI AND AR



Through desk research, focus groups and a survey, the Shoe 5.0 consortium investigated the skills needs for Industry 5.0 in the footwear industry. Based on the results, 5 key profiles were picked: footwear technical manager, footwear manufacturing operator, footwear designer/pattern maker, maintenance technician, and footwear architect 5.0, which is a new profile. Essential learning units for the key profiles were then developed as well as a scanning tool, designed to help learners determine their personalised training path. Partners are currently working on the translations of the learning units, soon to become available. In the 4th issue of our newsletter, you can read about how AI and AR are being implemented in the project. Stay tuned for the upcoming training content and follow Shoe 5.0 to keep moving towards Industry 5.0 in the footwear sector!

**IF YOU WANT TO LEARN MORE ABOUT SHOE 5.0, FOLLOW OUR PROGRESS
ON THE PROJECT WEBSITE AND SOCIAL MEDIA. DO NOT HESITATE TO
CONTACT THE CONSORTIUM FOR ANY INFORMATION!**





Stepping into the Future: Empowering the Footwear Industry with AR and AI By byAR

The Erasmus+ Shoe 5.0 project embraces the principles of Industry 5.0, preparing European footwear companies to transition into a sustainable, human-centric, and resilient industry. Our goal is to equip footwear workers with the essential skills and knowledge to effectively navigate the implementation of new technologies, processes, and systems.

Over the past few months, the consortium, in collaboration with experts, has identified 15 Learning Units (ULOs) designed to prepare footwear workers for this significant transition to Industry 5.0.

But how can we effectively communicate this content to workers? This question guided our approach to developing an engaging and impactful learning experience.



Innovative Learning Approaches

The landscape of education is evolving rapidly, driven by technological advancements and insights into effective learning methodologies. We believe that learning should not only be informative but also enjoyable and engaging. Understanding our target audience is crucial in capturing their attention and fostering engagement.

With footwear workers in mind, **microlearning** stands out as an ideal approach. This method delivers small, bite-sized chunks of content that can be completed in just a few minutes. It caters perfectly to the busy schedules and often shorter attention spans of our workforce, making it easier for them to absorb and retain essential information.

After extensive brainstorming, the consortium has decided to organise the content in two innovative formats:



Infographics and AI Videos

Infographics: By utilising visually appealing infographics, we aim to present complex information in a more digestible manner. Infographics not only break down the content into easily understandable visuals but also enhance retention by simplifying concepts and engaging learners through design. This approach caters to various learning styles and helps create a more inviting learning atmosphere.

AI-Generated Videos: The use of videos, enhanced by AI technology, taps into both visual and auditory senses, significantly improving information retention. Research shows that learners retain more when they engage multiple senses. The combination of visual storytelling and auditory information caters to different preferences, ensuring that all workers can benefit.



AR App

In alignment with our project objectives, we are developing a unique Augmented Reality (AR) app tailored specifically for the Erasmus+ Shoe 5.0 initiative. This app will feature one engaging exercise (challenge) for each of the 15 identified learning units (ULOs), creating a total of 15 distinct challenges.

Through these challenges, users will have the opportunity to apply their acquired knowledge by solving puzzles and answering questions within an immersive AR environment. The app not only complements the ULO Canvas and AI-generated videos but also offers a hands-on learning experience that reinforces key concepts and fosters a deeper understanding of the material. Users can register and “play” their way through the content, making learning both fun and effective.



Looking ahead!

As we continue to innovate and adapt to the changing landscape of the footwear industry, the Erasmus+ Shoe 5.0 project stands at the forefront of this evolution. By harnessing the power of AR, AI, and modern learning methodologies, we are committed to empowering footwear workers and ensuring their success in this transformative era. We look forward to continued collaboration and engagement as we move toward a sustainable, human-centred, and resilient footwear sector.

COMING UP



Don't miss our upcoming "Awareness Sessions" for the Shoe 5.0 project! Discover how innovation and technology are revolutionising the footwear industry. Join us for an exclusive presentation where you'll learn about the details, benefits, and impact of our groundbreaking Erasmus+ Project. Plus, you'll have the opportunity to ask questions, share your ideas, and be part of the cutting edge in the Industry 5.0 era. This is your chance to engage directly with experts, ask questions, share your ideas, and become a part of the future of footwear.

Sessions will be held in October in Portugal, Spain, Italy, and Romania, with a virtual option available for participants throughout Europe.



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