

### PROBLEM/ISSUE ADDRESSED

SMEs in North Macedonia are still lacking behind in digital transformation and economic competitiveness. In particular, skill gaps in digital technologies are impeding success.

### SOLUTION

- 
 • Due to the SMEs interest in promoting work-based learning, the first ever learning factory was established.
- 
 • Industry 4.0 and Lean were combined to the concept of Lean 4.0 to increase interest in digital transformation.
- 
 • A showcase was installed to experience Lean 4.0 hands-on.

### WHY IT IS IMPORTANT FOR SOCIETY

- Facilitates the access to education and learning in North Macedonia
- Promote science, technology and spread global ethics
- Complements SDG4\* and lifelong learning in adult education

“ Thanks to EIT we were able to satisfy the need for trainings on Lean 4.0 in North Macedonia. ”



### MAIN RESULTS & INSIGHTS



- A showcase for Poka Yoke, enhanced by digital technology in assembly was established as a cornerstone of North Macedonia's first ever learning factory.



- A blended training program on Lean Manufacturing 4.0, facilitated by digital learning nuggets and a hands-on showcase, was created.



- Domestic SMEs as well as from neighbouring countries now have easy access to work-based trainings in Skopje. First pilot trainings have been well received and promoted the concept of learning factories in North Macedonia.



**STEFFEN NIXDORF**  
Research Assistant at TU Wien  
Activity Leader



<https://sway.office.com/xzX1M4Ws4dyr4xWF?ref=Link>



<https://www.linkedin.com/company/learn4smes/>