Mirror Labs

2020

Creating similar learning environment for students all over Europe for human-robot coproduction

Robotics   Digitalization
Human-Machine Collaboration

Project consortium

A! Aalto University

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LMS Laboratory for Manufacturing Systems & Automation

TUDelft

INESCTEC

Summary

Mirror Labs targeted the challenges faced by the operator in a "factory 4.0", namely the high complexity of the process, which contains different tools and machines. This matter was targeted by developing an augmented and virtual reality layer that supports the worker.

The consortium developed a standard, easy-to-use ICT infrastructure for the existing equipment in the labs of the participating partners.

The developed software was released open source so that other partners can use it within and outside the EIT Manufacturing community. The project developed a software platform and tutorials on setting up the platform and getting started to work with it. Moreover, it can be used as a base for other learning units created within the EIT Manufacturing Education pillar.