MASTER

Boosting future training in industrial robotics with XR technology

MASTER boosts the XR ecosystem for teaching robotics in manufacturing. It provides an Open XR platform to create safe robotic environments, program flexible robotic applications and integrate advanced interaction mechanisms.

Starting date: 1 January 2023
Duration: 42 months

Budget: 8.3 M €
7 Partners from 3 countries

Open XR platform enables non-expert trainers to create teaching material on manufacturing robotics

The Open XR platform is enhanced with key functionalities

Training libraries to prepare demonstrators for health and safety aspects

XR tools to facilitate the training on robot programming and control

Multimodal interaction mechanisms: active and passive gaze-based interaction.

Open Call 1: Implementation of novel XR technologies for robotic applications

Objectives:
- Provide innovative technologies for the Open XR platform to create rich XR experiences.
- Develop use cases and educational material for a better learning environment for robotics.

Who can apply?
- Academic and research institutes in the field of XR (100% funding).
- European SMEs (100% funding) and Large companies (50% funding) active in the field of XR

When? Call opening **early 2024**

Open Call 2: Validation of XR technologies in learning environments

Objectives:
- Validate with students the Open XR platform and technologies developed in the project.
- Validate and create additional XR content by applicants.

Who can apply?
- Educational institutes in the field of XR (100% funding).

When? Call opening **early 2025**

Visit our website **www.master-xr.eu**

in Master_XR

zenodo Master_XR

X @MasterXR_EU

Co-funded by
the European Union

LMS — Laboratory for Manufacturing Systems & Automation

Tekniker — MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

DFKI

VIRTUALWARE

Teaching Factory

mondragon Lingua

Alecop — Knowledge & Technology

HUMANITY AT WORK — MONDRAGON

European Science Communication Institute — ESCI