XR5.0

USE CASES

1. Personalized XR in Assembly Line
2. Virtual Commissioning and Generative AI in Robotics

USERS/ PERSONAS

- Technicians and Engineers

APPLICATION

- XR-based Training Programs, Remote Assistance

RESEARCH AREAS

- XR, AR/VR, Generative AI, Human Digital Twin

PILOT

Rapid Human Centric AI-Enabled Product Design

AI-enhanced XR technologies to assist technicians in training / assembly / repair / maintenance of production lines.

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KUKA

SUPSI

ATB Institut für angewandte Systemtechnik Bremen GmbH

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TECHNOLOGIES

- Hololight Hub, Unity, HoloLens 2, Meta Quest 3

SOLUTIONS

1. AR app on HoloLens 2 that visualizes machinery as overlays, provides machinery and assembly line related data, and offers personalized instructions for machine repair, maintenance, and commissioning.
2. VR app on Meta Quest 3 that provides personalized training for machine commissioning.

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