

# Expertise at a Distance

## Fraunhofer's Mobile Learning Platform

With expertise at a distance, Fraunhofer aim to provide a learning platform that enables practical training from anywhere. To achieve this, the core concept is to create a suitable workspace for the student, tailored to the specific lesson.

The Mobile Learning Hub (MLH) offers modular equipment for individual courses. One elemental feature is the multi angular camera system. It is a basis for monitoring and instantaneous feedback of hands-on work by a trainer at a distance.

For an immersive experience, Augmented Reality (AR) glasses are included. These glasses allow students to interact with virtual elements overlaid on their physical environment, enhancing the learning experience by providing real-time visual aids and instructions. This integrated approach ensures that students receive comprehensive and practical training, regardless of their location.



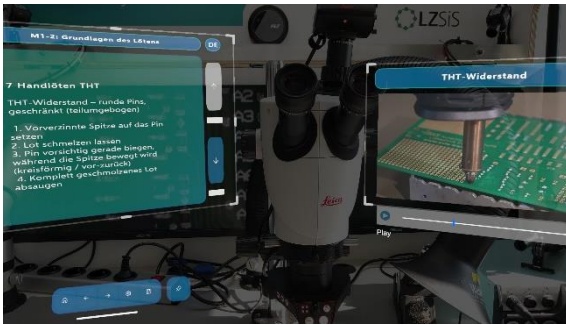


Figure 1 Immersive Learning with Augmented Reality

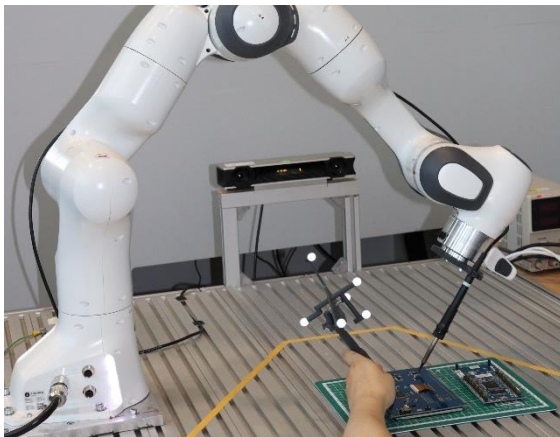


Figure 2 Motion Tracking for illustrating movement sequences at a distance

## What we offer

- **Staff Training:** Get your team trained according to IPC and ESA regulations in interconnection technology.
- **Mobile Learning Hub:** Available for purchase or lease, our hub brings training to your location.
- **Remote Training:** Learn soldering, crimping, and other electronic interconnection technologies from a distance.
- **Consulting & Guidance:** Establish your own AR-enhanced practical training with our expert advice.
- **Hands-On Courses:** Collaborate with us to develop courses tailored to your needs.
- **AR-Based Learning App:** We create personalized learning apps using Augmented Reality.
- **AR Course Implementation:** Bring your learning content to life in AR-based environments.

We invite you to collaborate with Fraunhofer EMFT, which has 40 years of experience in soldering training, to conduct a completely location-independent and immersive training program.

## Contact

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