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Baugewerbes e.V.

XR Energy

Extended Reality for the energy transition

Objectives

For the energy transition, many professionals need complex education and training that is vivid and can be easily developed further. The project goal is to make the use of Extended Reality (XR) easy and flexible for such educational measures. For this purpose:

- (1) minimises barriers to entry for appropriate learning content,
- (2) Learning units are developed exemplarily and
- (3) General XR templates are created that are used directly in education and training.

Activities

- Analysis of the status quo and selection of use cases where XR can be helpful
- Creation of prototypes for XR templates that respond to technical questions of the use cases
- Elaboration and use of learning units on the energy transition based on these templates
- Test, evaluation and optimisation of the templates and the learning units
- Disseminating the results and supporting teachers and SMEs in their use

Results

- At least 10 learning units in the field of energy transition, based on newly developed XR templates within the open source learning software H5P.
- A comprehensive evaluation of the use of the templates and learning units in commercial training events.



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- A guide for teachers on how to adapt, modify and use the templates for their own teaching needs.
- A guide for SMEs on how to use this approach to professionally support and dynamically develop training measures.

Project duration: 01.10.2023 - 31.03.2026 (30 months)

Partner:

- Sustainum Institute / Berlin - Germany
- Estudio Metro7 / Zaragoza - Spain
- CodeFlügel GmbH / Graz - Austria
- DACH Society for Hydrogen / Wiener Neustadt - Austria
- Fundación Laboral de la Construcción / Madrid - Spain
- Bildungszentren des Baugewerbes e.V. / Krefeld - Germany

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