

**BZB**Bildungszentren des
Baugewerbes e.V.

ARTVET

Augmented Reality in Teaching in Construction VET

Objectives

ARTVET-staff will get a deeper insight into chances and limits of Augmented Reality in VET; this will be realised by seminars during each of the 3 project meetings. Staff will also contribute to two phases 1. a survey with pre-requisites for regular VET-staff to apply AR, e.g. individual/personal pre-conditions and 2. to find-out necessary technical equipment as well as to support which VET-content (e.g. CAD) is appropriate for combining it with AR. ARTVET will establish a network of AR-applying VET-centres.

Activities

Meeting 1: introduction ARTVET and project partners; AR-workshop 1 of 3

Phase 1: starting points to enter AR; merging partners' VET-contexts with AR-opportunities

Meeting 2: results of phase 1 and discussion; AR-workshop 2 of 3

Phase 2: defining/selecting use cases for developing AR-solutions in VET

Meeting 3: conclusions/follow-up; AR-workshop 3 of 3

Results

AR in VET aims at going the next step in practical VET to enrich the VET-processes by assisted teaching and learning. VET-centres in ARTVET (mostly dedicated to SMEs) confront themselves with this emerging technology in order to speed up and close the gap between technology (AR / in future also VR) which starts being used in (bigger) construction companies and what is taught in VET-centres of the construction branch on the other side. Result: wider and better AR-knowledge as well as creating a lasting AR-cooperation.



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Project duration: 01.09.2022 – 28.02.2023 (6 months)

Partners:

- Bildungszentren des Baugewerbes e.V. / Krefeld - Germany (promoter)
- Fundación Laboral de la Construcción / Madrid – Spain
- Berufsförderungswerk der Bauindustrie NRW gGmbH / Düsseldorf - Germany
- Chamber for Commerce and Industry / Ljubljana - Slovenia
- Istituto per L' Istruzione Professionale dei Lavoratori Edili / Bologna - Italy
- Scuola Costruzioni Vicenza Andrea Palladio / Vicenza - Italy
- Centre IFAPME / Liege - Belgium
- WEKIT ECS / Dublin - Ireland
- Westdeutscher Handwerkskammertag / Düsseldorf – Germany

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