

## **Seminar materials for the cross-trade CVET in energy-efficient construction and renovation of buildings**

### **Background**

Energy-efficient construction and renovation of buildings plays an important role especially in building, finishing and installation engineering trades. Competent and circumspect actions concerning construction are decisive requirements to permanently lift all energy-efficient potentials of a building. Therefore, within the context of the BUILD UP Skills QUALITRAIN project, funded by the European Union, a cross-trade continuing vocational education and training (CVET) including seminar materials has been developed.

### **Aims and target groups of the training programme**

Continuing education and training aims at the improvement of cross-trade collaboration on construction sites. Therefore, the apprehension of the house as a system needs to be promoted and the collaboration of different trades on certain interfaces needs to be addressed. The practical skills of the participants are being trained in the field of energy-efficient construction and renovation to improve the process of execution. Simultaneously, deepening theoretical knowledge is being imparted.

The training programme is aimed at workers with a completed apprenticeship in building, finishing or installation engineering trades.

### **Strategic focus and structure of learning materials**

The learning materials constitute an extensive offer for the implementation of the seminar. On the basis of this and especially depending on the participants' requirements, a targeted focus during the seminar as well as an individual follow-up and deepening through the participants themselves is enabled. The materials are structured according to the modular organisation of the training programme. With an overall duration of 88 instructional units (IU), it is divided into six modules:

- Module 1: Building shell and technology as an energy-efficient system (16 IU)
- Module 2: Ensuring quality with regard to energy efficiency (8 IU)
- Module 3: Energy-efficient construction and renovation of buildings (16 IU)
- Module 4: Ensuring energy-efficient façades: Windows/doors, external wall penetration, constructional connections (16 IU)
- Module 5: Ensuring energy-efficiency of roofs: technical installations, rooftop windows and roof exits (16 IU)
- Module 6: Ensuring energy-efficiency of extensions: interior insulation, storey ceilings and loft conversion (16 IU)

#### **Contact and subscription opportunity**

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