

**Project: CEPH**  
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# ***Executive summary existing training material***

Deliverable 3.1



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## 1. Introduction

The Certified European Passive House Designer (CEPH) Project will elaborate the first intensive training course for Passive House Design at European level.

To reach this ambitious task, the following project-specific objectives were defined:

- Development of the first intensive training course for Passive House Design at European level (approx. 80 teaching hours)
- Development of a comprehensive set of training materials for nine European countries (including a “train-the-trainer” course)
- Implementation of training courses in all EU countries with developing passivehouse markets
- Development of a highly transparent certification procedure
- Long-term sustainability of the established structures.
- Ensuring high visibility of the new training structure by means of a well-designed marketing campaign

energie- & umweltzentrum allgäu (eza!) is the Leader of Work Package 3 of the CEPH Project (Development of Training-Course Design).

Work Package 3 refers to the development of a two-week training course for architects to become Certified European Passive House Designers. The design of the training course was based on existing schemes and was implemented in pilot training. Based on the experiences gathered within the pilot training, the course design was then revised and optimised.

The design was elaborated in such a way that the certification procedure was optimised for both the course and its participants.

The aim of this deliverable is the description of the material sources of the Passive House Course.

This aim was reached by collection of the training materials of the partners of the project.

Partners in Work Package 3 were the following institutes:

energie- & umweltzentrum allgäu (eza!)

- Leader of Work Package 3
- Leader of Task 3.2 Definition of the Main Parameters of the Passive House Course
- Leader of Task 3.3 Design of the Part 'Building Envelope' in the course
- Leader of Task 3.8 Compilation of the complete training course
- Leader of Task 3.10 Revision and optimisation of course design
- Leader of Task 3.11 Referent Manual for Passive House Course

Energieinstitut Vorarlberg (EIV)

- Leader of Task 3.1 Compilation of existing training courses
- Leader of Task 3.7 Documentation of successful Passive House Projects

#### Passivhaus Dienstleistung GmbH (PHD)

- Leader of Task 3.4 Design of the Part Building Services
- Leader of Task 3.5 Design of the Part Calculation and Design Pool (PHPP) in the course
- Leader of Task 3.6 Design of the Part Costs and Economy in the Course

#### Passivhaus Institut Darmstadt (PHI)

- In this Work Package the PHI only acts as subcontractor for the final examination held at the end of the training course.

This project brings together the stakeholders of Europe who already have experiences in Passive House Design training. These institutes are PHD, EZA and EIV. The materials and knowledge of their existing courses was compiled and brought together at the beginning of the project.

## 2. Collection of material

A comprehensive two weeks training course did not exist at the beginning of the project. However, different training activities already had been implemented by several consortium members:

Therefore, the existing training materials were collected namely:

- PHD had long experiences with one and two day courses to special issues in the field of passive house design like Calculation and Design Tool (PHPP), principles of passive houses or ventilation in a passive house.
- eza! had first experience with a 65 hour course for passive house designers. In addition eza! had long experiences with courses for energy advisers and energy refurbishment for architects.
- EIV had a long term experience with courses in the field of building and energy and building ecology and summer schools for passive house design. A first course for passive house designers was already in preparation.

All these materials were brought together into a data pool which served for the preparation of a complete two weeks training course. This data pool was burned on CD Rom and distributed between the partners.

The submitted materials were kept under the intellectual property of the respective authors.

## 3. Further use

The material was used for the design of the new course. It was optimised, shortened and supplemented and was then used in the first set of pilot courses in May 2009.

## **4. Main results and conclusion**

The collected course materials on one CD gave the possibility for analysing all existing training materials. After defining the main parameters of the training course for Certified Passive House Designers, the training materials were developed on the basis of the experience of Energieinstitut

Vorarlberg (EIV), Passivhaus Dienstleistung GmbH (PHD) and energie- & umweltzentrum allgäu (eza!) and were based on the examination regulations and training targets developed by the Passive House Institute (PHI). The final examination will be held by PHI.

**Annex**

The existing training material collected by PHD, Eza! and PHD was burned on CD Rom and submitted with this deliverable.