

AchieVE-ZEB

Achieving climate neutral Buildings with viable educational programs

Poorly planned retrofits or a lack of cross-craft understanding and interaction between individual retrofit measures can lead to performance gaps, structural damage and uneconomic lock-in effects, making it more difficult to achieve Class A buildings by 2050.

To supply buildings with renewable energy on a large scale, energy consumption must first be drastically reduced. It is therefore crucial that the renovation steps are carried out in the right order and with the right quality, considering aspects such as material life cycles, summer comfort and ventilation.

In this context, professionals in the construction sector need to have high quality, integrated skills and cross-craft understanding. They also need to keep up with the latest technology and knowledge.

Project goals

The project will review and introduce the latest research and current examples of good practice to the curricula of existing education and training institutions.

Special attention will be given to updating, complementing and ensuring the quality of the course content by drawing on the expertise available in the consortium on core topics such as phased retrofitting, efficient building services such as heating and ventilation, retrofitting with modular prefabricated elements, summer comfort and climate change resilience, as well as recyclability and life cycle assessment.

The format of the content will also be expanded and adapted to a contemporary, future-proof and attractive form for the respective target audience. Using current and proven methods such as e-learning, videos, mini-training, micro-credential training programs, etc., forward-looking and flexible learning concepts will be developed. Practical learning methods such as mock-ups (realistic training models of building components), on-site training and site visits will also be integrated and developed.



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The target audience includes energy consultants, planners, architects, project developers, facility managers (property managers), developers (owners, commercial building managers), real estate developers, as well as career changers and educators.

The content and form of the courses/training will be developed in a 'multifunctional' way to address both academics and tradesmen (or other categories such as manufacturers, homeowners). A roll-out to other EU countries via existing international training systems is also planned, as well as the translation of the necessary results into English.

Project Advisory Board

The active involvement of our stakeholders ensures the success and sustainable impact of our project. Those who have already expressed their interest and support with a Letter of Intent (LOI) during the application phase play a central role. These key stakeholders will be involved as part of a Project Advisory Board and will be specifically involved in key project activities.

- They can provide valuable perspectives through personal interviews.
- They are given exclusive access to teasers and samples of the training programs and have the opportunity to provide direct feedback for improvement.
- A planned process ensures that stakeholder involvement continues strategically beyond the duration of the project.

This close collaboration not only strengthens the relevance and quality of the results. It also lays the foundation for the long-term realization of the project's goals.

Consortium

- Austrian Energy Agency, AT (Coordinator)
- Passiv House Institute, Darmstadt, DE
- PHI Austria, Innsbruck, AT
- University for Continuing Education Krems, AT
- University of Innsbruck, AT
- Energy Agency Styria, AT
- GIH Federal Association, DE

Visit the website for more information, contact details, upcoming events, and project results.

<https://www.achieve-zeb.eu/>



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