



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 649810.



## Project website

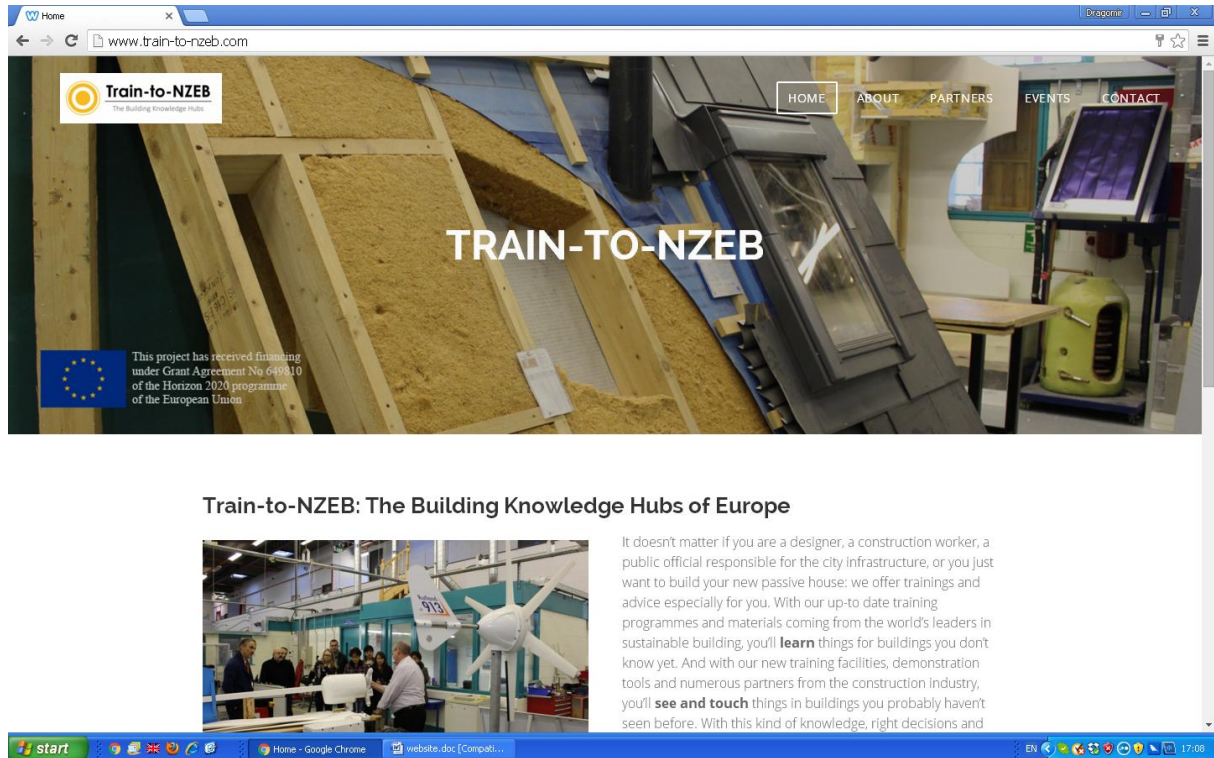
[www.train-to-nzeb.com](http://www.train-to-nzeb.com)

## Deliverable 5.3 of the

TRAIN-TO-NZEB project, financed under grant agreement No 649810 of HORIZON 2020 Programme of the EU

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# WEBPAGE EXAMPLES




**Train-to-NZEB**  
The Building Knowledge Hubs

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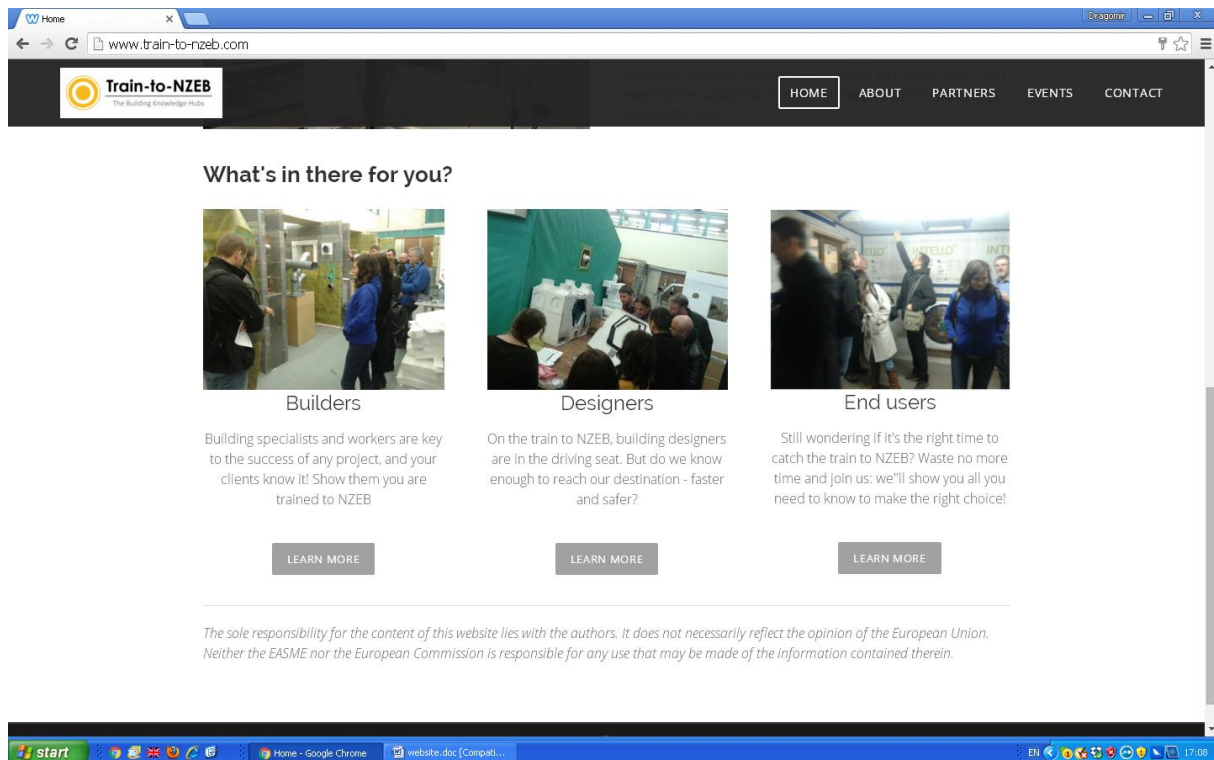
## TRAIN-TO-NZEB

This project has received financing under Grant Agreement No 649810 of the Horizon 2020 programme of the European Union

### Train-to-NZEB: The Building Knowledge Hubs of Europe




It doesn't matter if you are a designer, a construction worker, a public official responsible for the city infrastructure, or you just want to build your new passive house: we offer trainings and advice especially for you. With our up-to date training programmes and materials coming from the world's leaders in sustainable building, you'll **learn** things for buildings you don't know yet. And with our new training facilities, demonstration tools and numerous partners from the construction industry, you'll **see and touch** things in buildings you probably haven't seen before. With this kind of knowledge, right decisions and



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### What's in there for you?



#### Builders

Building specialists and workers are key to the success of any project, and your clients know it! Show them you are trained to NZEB


[LEARN MORE](#)



#### Designers

On the train to NZEB, building designers are in the driving seat. But do we know enough to reach our destination - faster and safer?

[LEARN MORE](#)



#### End users

Still wondering if it's the right time to catch the train to NZEB? Waste no more time and join us: we'll show you all you need to know to make the right choice!

[LEARN MORE](#)

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# Today we build nearly zero-energy buildings!

*Do you want to know how?*



## Our Project

The "Train-to-NZEB" project aims to provide world-class training on energy efficiency and RES in buildings, based on new training programmes, business plans and up-to-date training equipment for a set of training and consultation centers around Europe.

Its goal is to improve the knowledge and skills in the construction sector and to provide **practical trainings, demonstrations and comprehensive consulting services** for design and construction of Nearly Zero-Energy Buildings (NZEB) supported by RES, based on the Passive House concept.

The training centers (or Building Knowledge Hubs) will form an international network, providing trainings on the curricula developed under the European BUILD UP Skills initiative and by project partners, as well as continuous opportunities for exchange, updating and improving of the existing training programmes. The modern training facilities will enable the conduction of practical exercises in addition to the theoretical programmes already available in the focus countries.

## Our Goals

The main tasks of the project include design and equipment of 4 fully active training centers (in Bulgaria, Romania, Turkey and the Czech Republic) and 1 pilot center (in Ukraine); the adaptation

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Events

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and design of training programmes

## Past meetings:

Train-to-NZEB train-the-trainer session and second Steering Committee meeting, Dublin, 02-03 December 2015

[Meeting agenda / Minutes](#)



Train-to-NZEB kick-off meeting, Sofia, 02-03 July 2015

[Meeting agenda 02.07.2015 / Meeting agenda 03.07.2015 / Minutes](#)



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Partners

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**Project partners:**

**Limerick Institute of Technology (Ireland)**  
[www.lit.ie](http://www.lit.ie)

**Passive House Academy / MosArt (Ireland)**  
[www.passivehouseacademy.com](http://www.passivehouseacademy.com)

**Passive House Institute (Germany)**  
[www.passiv.de](http://www.passiv.de)

**National Institute for Research and Development in Construction, Urban Planning and Sustainable Spatial Development (Romania)**  
[www.incd.ro](http://www.incd.ro)

**Business Development Group (Romania)**  
[www.bdgroup.ro](http://www.bdgroup.ro)

**Pre-University Education Foundation - Future (Romania)**  
[www.habitaturban.ro](http://www.habitaturban.ro)

**Bulgarian Construction Chamber**  
[www.ksb.bg](http://www.ksb.bg)

**BSYS (Bulgaria)**  
[www.bsys.bg](http://www.bsys.bg)

**SEVEN (Czech Republic)**  
[www.svn.cz](http://www.svn.cz)

**Department of Civil Engineering at Ege University (Turkey)**  
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**Municipal Development Institute (Ukraine)**  
[www.mdi.org.ua](http://www.mdi.org.ua)

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builders


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# Builders

## Training courses for building specialists and workers



The Building Knowledge Hubs (BKHS) will be concentrated on covering the needs and skills gaps identified in the National Roadmaps produced on BUILD UP Skills Pillar I and will provide training on the programmes developed on BUILD UP Skills Pillar II, with respect to the copyrights and intellectual property rights in each country. In order to achieve this goal, the national teams within the consortium will study, evaluate, adapt and develop the proposed training programmes according to the new available facilities and with a view to provide more complex and target-oriented consulting and training services.

The programmes will be delivered with focus on the following broader areas of research and technical know-how:

**Climate change and sustainable development:**

- Basic concepts: energy saving and efficiency in buildings (main definitions) / energy efficiency & RES / energy efficiency in city planning / energy efficiency vs energy poverty / energy efficiency for sustainable development / climate and energy policies – national specifics and EU directives / energy consumption and climate change
- Planning principles: the “bioclimatic” approach / the “Passive House” concept / basic design rules (orientation of buildings, building shape / natural vs artificial lighting / indoor air quality: natural vs artificial heating, cooling and ventilation, etc.) / building materials
- Technical parameters: heating & cooling load / specific (annual) space heating & cooling demand / airtightness / thermal

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