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April 2017

nZEB

The Building Knowledge Hubs

A Horizon 2020 project in support of improved qualifications in the building sector

Train-to-NZEB at the Central & Eastern European Energy Efficiency Forum (C4E) in Serock, Poland

As C4E (www.c4eforum.net) organizers say, this is not your average conference. We know it from experience - this forum makes a difference. It is the perfect place to stage our beloved project, as it is built around the same concept - establishing and maintaining and cultivating new ideas, much as our BKH network. Train-to-NZEB not only makes a difference. C4E builds and strengthens the Central and Eastern European energy efficiency community, it spots and promotes efficiency projects, policies and programmes happening in the region, our community needs a dedicated platform for sharing and learning together.

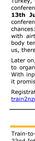
The event promises to offer a great mix of participants from government, the public sector, NGOs, civic initiatives, and businesses. The right audiences to spread the work about Train-to-NZEB and our network of energy efficiency operating at full speed in Bulgaria, Romania, Turkey, the Czech Republic, and Ukraine. We will hold our final project conference at a dedicated pre-conference workshop starting at **10:00 on 13th June** and finishing just before the official opening of the conference, happy to start the show... Just in time for the coffee chances: definitely, this will not be your regular workshop. We will work with artistic means and methods, we will use the conference your body temperature and check how you breathe. Curious? Come and join us, there will be a lot of surprises!

Later on, we will have a conference session on what we know best - how to organize, market and deliver a successful BKH implementation. With inputs from Bulgaria, Romania, the Czech Republic and Germany, it promises to be extremely interesting.

Participation is still open! Event news at www.facebook.com/Train2nZEB/ and www.twitter.com/Train2nZEB/

Training and networking for 21st century construction

Train-to-NZEB hosted a prominent event in the course of the 22nd International Passive House Conference in Munich, Germany held on 9 March 2018. The event was opened by Christian Schoenfeld (EASME) and Dr. Josef Hochhuber (Bavarian Ministry of Economics) and featured presentations by Jarek Kurnitski and Tzaney (Coordinator of the Train-to-NZEB Project, EnEffect) Wolfgang Hasper (Passive House Institute, Germany) (Passive House Institute), Univ. Prof. Dr. Ing. Rainer Pfluger (University of Innsbruck, Austria, Stabilitat (IG Pasivhaus Deutschland), and Georgia Tzar, (The International Passive House Association). Acknowledging the contributions already achieved by the project, the event promoted its concept and approach and strived to broaden the BKH network, using the global outreach of the International Passive House Association, with representatives from approximately more than 1000 members around the world, shared its ideas and offerings on networks and platforms, and while it will be very well in your library, it's better yet, on your right hand, you can already download it at http://www.train-to-nzeb.com/bkhsaag.html.



The brand-new, shiny and glossy Train-to-NZEB brochure is here!

Do you see the small yellow book in everybody's hands on the picture? Yes, it's here our project brochure, which doesn't leave a secret unveiled for our project. And it's not that small, really: more than 100 pages of pictures, drawings and most importantly - people with similar ideas, feelings, behind the Train-to-NZEB story. A work we are really proud of, and something to remain as lessons learned from a tough but rewarding year of work. Nevertheless, it is far from over, we have a few thousands copies to distribute in our events until November (remember C4E), and while it will be very well in your library, it's better, on your right hand, you can already download it at http://www.train-to-nzeb.com/bkhsaag.html.

An NZEB conference in the official political agenda of the Bulgarian Presidency of the Council of the European Union

Two good news for Bulgaria: for the first time the Financial Mechanism of the European Economic Area (EEA) targeted to the local authorities implementing a "Nearly Zero Energy Buildings" demonstration, which provides funding for the new buildings and building renovations designed and executed according the new standards. For the first time, this financing mechanism will be presented at a National NZEB conference, which will be held in the city of Bansko on 14 June, right after the C4E Forum, under the auspices of the Ministry of Energy.

And if you are concerned who is taking care of the details... no need. Train-to-NZEB coordinator EnEffect is on the project and is pleased to announce that this event promises to be a definite highlight for the sector and hopefully for the Bulgarian Presidency itself. It offers high-level representation from DG ENER, the ministries of energy and regional development, the partners from the countries in the European Economic Area, the most prominent European figures in the area of energy efficiency of buildings Zdravko Genchev and Nikola Kaloyanov, the most notable NZEB designers and experts, and EnEffect's personal guests - Professor Jarek Kurnitski from Aalto University and Professor Wolfgang Feist, answering the main question - is NZEB so different and special in Southern and Eastern Europe?

Yes, of course it's not. But it's not enough to be just different, it's more than that, it's a mindset that intervenes: we have our training course right after the conference, on 22 June in Flora yoga center in Burgas. Don't miss it! Check everything and register at www.train-to-nzeb.eventbrightconference.com (in Bulgarian). All other courses are there on http://www.busenergro.com/bkhsaag.html.

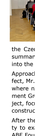
The Romanian BKH is quickly becoming a market leader on sustainable building concepts and promotion of nZEB

The Building Knowledge Hub Romania (BKH RO) continues to conduct an intensive campaign for providing nZEB training courses to on-site professionals, high level specialists and decision makers as a result of the big efforts made by the Romanian team to raise the demand at national level.

The "Legal Framework and Concepts for nZEB" training course for strengthening the capacity building of professionals in the public administration, is a premiere in Romania and the target group is starting to understand more and more the importance of the concept related to their professional activity. A great success is the "Certified Passive House for Designers" training course which started in the first part of the year and will last for over 2 days. Another two training courses for architects and designers are planned to start in the second half of 2018. New training sessions of the "Certified Passive House Tradesperson" and other training courses for on-site professionals are planned to be organized all over the year. Programs dedicated to energy auditors for buildings and representatives of building owners associations are planned to be delivered in the second part of 2018.

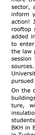
For promoting the training courses, promotional activities are constantly organized: visits of different stakeholders (students, architects, decision makers etc.) to the premises of BKH RO, participation to dedicated events and an active presence in the social media. BKH RO is becoming a well-known name on the market! Find out more at https://www.facebook.com/BKHTrain2nZEBRomania/

Ready for nZEB? ingREoS International Conference and cooperation between H2020 projects



Is the building industry ready for nearly zero-energy buildings (nZEB) in the Czech Republic? This question was raised and discussed at the international conference, which took place on 24 January 2018 at the Technical University of Liberec (Faculty of Mechanical Engineering Building Education (ARF training center) in Prague. In addition to Czech construction professionals and representatives of the authorities, the experts from Austria, Slovakia, Bulgaria and Romania actively participated in the conference.

The conference was opened by a representative of the CZ Ministry of Industry and Trade, Mr. Petr Vozka, who presented subsidy programs and possibilities for support of energy efficiency available in the Czech Republic. The conference was held within the international Horizon 2020 project ingREoS, the summary and results of which were presented. Representatives of Slovakia, involved as a partners into the project.



Approach to support for implementation of nearly zero-energy buildings in Bulgaria was presented by EnEffect, Mr. Dragomir Tzanev. Romanian training centres for construction professionals in Bucharest and Brasov, where nZEB trainings are taking place, were presented by Mrs. Narcisa Danila from the Business Development Group. The final part of the conference was dedicated to further international projects NET-UBIEP project, focused at increasing the skills in BIM application, NEWCOM project, aiming to increase practical skills of construction workers, as well as educational scheme for nZEB projects.

After the official part, the conference participants had the opportunity to examine the equipment of building centre, situated in the ARF Foundation. All highly interesting presentations are available for download: http://www.szu.cz/news-and-events/conferences-and-conferences-source/final-conference-of-ingreos-project-ready-for-nzeb

More information about Train-to-NZEB training courses in Czech and registration are accessible at www.stavebnitabadmin.cz.

The positive feedback to training courses in BKH-Izmir in Ege University opens the way to Istanbul and Ankara

After official opening of the BKH in May, happy faces leaving the training courses increase the motivation of Turkish trainers and more than 550 people were trained including attendees from private companies, academia, students and non-governmental organizations. We are glad to inform you that Turkish NGOs, municipalities and government are interested just want into effect, like no. 7193 Regulation on the Protection of rooftop solar panels, also the term "energy performance contracts" is included in public investments, allowing the government organizations to enter into obligations for a maximum period of 15 years. Besides, the law provides convenience for energy storage facilities. Last training session had guests from Turkish Ministry of Energy and Natural Resources, as well as representatives of Turkish HUB was emphasized to attendees. www.dakinakademi.com

Additionally, the nZEB trainings in BKH Turkey continue according to schedule. The next training dates opportunities are:

April–Mai 2018 - training for non-specialists
September 2018 - training for Designers
October 2018 - training for construction workers
More info at https://www.facebook.com/bkhturkey/

On the back of very successful professional training, seminars for non-specialists gain ground in Ukraine

As of April 2018, the training courses organized the Ukrainian NZEB Centre with the support of the BKH project have been attended by **265 attendees**, representatives of three target audiences of the Project.

The **focus of the training courses** was on:

- Design of NZE buildings – 45 highly qualified design engineers were trained (2 groups in 2018);
- Construction of NZE buildings – 138 building specialists were trained (2 groups in 2016, 4 groups in 2017, two groups – during January - March 2018)

Project manager of NZE buildings – 82 non-specialists decision-makers were trained (2 groups during January - April 2018)

Design specialists – engineers, designers, architects, heat engineers, as well as Individual Entrepreneurs working with design and construction of building and facilities, show growing interest in areas 1 and 2, while representatives of government institutions and specialized organizations, CSOs, state-owned utility companies (local and regional) are more interested in area 3.

These are: agencies - State Agency for Energy Efficiency and Energy Saving and National Agency on Civil Service; ministries – Ministry of Regional Development, Construction and Housing and Municipal Economy; Ministry of Energy and Coal Industry; Ministry of Economic Development and Trade; Ukrainian Parliament Committees – Committee on Construction, Town Planning and Housing and Municipal Economy; Committee on State Construction.

Activities planned till the end of the Project

- Organizing 3 training courses for specialists in construction of NZE buildings: May 21-24, June 4-7, June 18-21, 2018;
- Expanding the scope of trainings so as to consist 120-140 hours and to be recognized as remote (correspondence) professional development courses. The materials of the training courses and lists of specialists trained will be disseminated through the website of the Ukrainian NZEB Centre www.nzeb.com.ua.
- Developing training curriculum for training courses in "Energy Audit" and "Energy Management".
- Preparing for certification of energy auditors.
- Organizing the International Scientific Practical Conference "Integrated Energy Efficient Technologies in Architecture and Construction: ENERGY INTEGRATION - 2018". Website of the Conference: www.conferences.nzeb.com.ua. Conference is organized to support and facilitate a consistent and regular research on energy saving and implementation of alternative energy sources in architecture, existing buildings, and in relevant fields.

Highlights from the round

EnEffect and its partners organize a series of events in the framework of the Bulgarian Presidency of the Council of EU, where Train-to-NZEB and Fit-to-NZEB are well presented. After the IBROAD workshop on 13 February and the EcoEnergy conference on 19-20 March, the next events are in Gabrovo (22 March), Sofia (27 March), Burgas (20-22 June), and more.

Casa Bohnici project in which BKH RO was involved through NIRD URBAN-INCERC representative, received the Special Prize for Innovation in Active House in Romania. Event was held at the 22nd International Passive House Conference in Munich, Germany in March 2018. This is a big step for a beneficiary participant from the nZEB concept in Romania through the application of Passive House principles and experience.

The project results are intensively presented via many events, e.g. Housing renovation conference in Hradec Kralove on 21 November 2017 (http://www.regionalstredohrady.cz/), where was held a project meeting in Prague 23 January 2018 and trade fair Energy saving household in Ostrava on 6-8 March 2018, http://www.ostrava.cz/cs/aqena-domanovice-2018. The latest event was the training for vocational high school from Karlovy Vary 20/03/2018)

Ege University Team is planning to constitute small BKH in Balikesir University to able to widen the impact of T2NZEB in Turkey. A national meeting entitled "towards to nearly zero energy buildings in Turkey" will be held on 12-13 April 2018 in Architecture Faculty of Balikesir University. Training courses will be held on 14-15 September, October 18-19 and November 22-23.

265 attendees have been trained so far at the Ukrainian NZEB Centre. It is planned to expand the training program so that it consists of at least 120-140 hours and is recognized as remote (correspondence) professional development courses. Curriculum of two new courses "Energy Audit" and "Energy Management", will be elaborated.

News from us and our partners

The Train-to-NZEB and Fit-to-NZEB projects were presented at the XX anniversary international conference of the Bulgarian Municipal Energy Efficiency Network in Sofia. The event took place on 19-20 March in the Representation of the EC in Sofia, gathering more than 150 participants, including representatives of DG Energy and Regional Development, the Sofia Municipal Council, representatives of guests from Romania, Croatia and Greece. The conference participants united around the conclusion for leading role of local authorities in the fight against energy poverty and the pressing need for better skills and knowledge to deliver quality NZEBs at the local level.

A group of students from the Ion Mincu University of Architecture and Urban Planism University in Bucharest visited the training facilities of BKH RO, in March 2018. The future architects learned about the nZEB performance levels and the Passive House concept in a dedicated training session organized within the Train-to-NZEB project.

The Czech training centre ABF opened the cooperation with the professional high schools for civil engineering. So far the training courses in HVAC and renewables have participated. The latest event was the one-day training for the vocational high school in Karlovy Vary held on 30 March 2018. The students and teachers asked many questions and showed high interest in the training topics. Unfortunately, regular courses on energy efficiency and nZEBs are still missing.

A national meeting entitled "towards to nearly zero energy buildings in Turkey" is organized on 12-13 April 2018 in Architecture Faculty of Balikesir University. With the support of academics from Istanbul Technical University, Yasar University, Dogus University and Tekya University, the workshop aiming to design low-energy buildings will be made with the attendance of 60 architecture students.

The training course "Project Manager - Nearly Zero-Energy Buildings" was conducted on February 19-22 at the Ukrainian BKH. The training course was organized by All-Ukrainian Charitable Organization Municipal Development Institute (MDI) in the premises of the Representation of the EC in Kyiv. The Train-to-NZEB: The Building Knowledge Hubs" with support from Ukraine's Ministry of Education and Science. In attendance of the training course participated 45 specialists representatives: specialist heads of relevant departments of ministries and agencies, utility companies, city councils and civil society organizations. Representatives of the Ukrainian Parliament Committee on Construction, Town Planning and the Project in conducting of trainings for non-specialists. Representatives of the workshop were conducted by representatives of nine manufacturers/vendors of EE equipment and materials: REHAU, Knauerberger, Henkel, Aclima, Zenet Ventilation Ltd., Technо-Alliance Company Ltd., Tallinan Ltd., Hranesti Tepla ltd (Heat Keepers), Vaillant Group Ukraine.

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The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EASME nor the European Commission is responsible for any use that may be made of the information contained therein.

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