



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



Final evaluation report on the implementation of the communication strategy

Deliverable 5.6 of the

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

Responsible partner: EnEffect

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.

Throughout its full duration, the Train-to-NZEB project team focused serious attention and resources to the communication activities, as it was clearly understood that without raising the public awareness and, respectively, the market demand for NZEBs, there is no chance that there will be sustainable demand for training on NZEB-related issues. The project team has embraced a systematic approach framed within a general communication strategy and 5 local communication strategies responding to the communication needs and landscape in the countries hosting BKHs (Bulgaria, Romania, Czech Republic, Turkey and Ukraine). The strategies were elaborated upon following one common template to provide transparency and comparability, taking into account the fact that the resources and internal capacities are not equally spread among project partners (there are more resources assigned and some partners involved in EU member states). The local teams are supported by project partners from Ireland and Germany with the necessary communication materials and the development of the visual identity (PHI). The International Passive House Association, iPHA, connected to PHI, with its international affiliations and communication network added considerable leverage to the communication efforts by relaying information and project results. At national level, a number of partner networks and professional groups were involved in the communication activities, providing visibility and frequent expositions towards all pre-identified target groups.

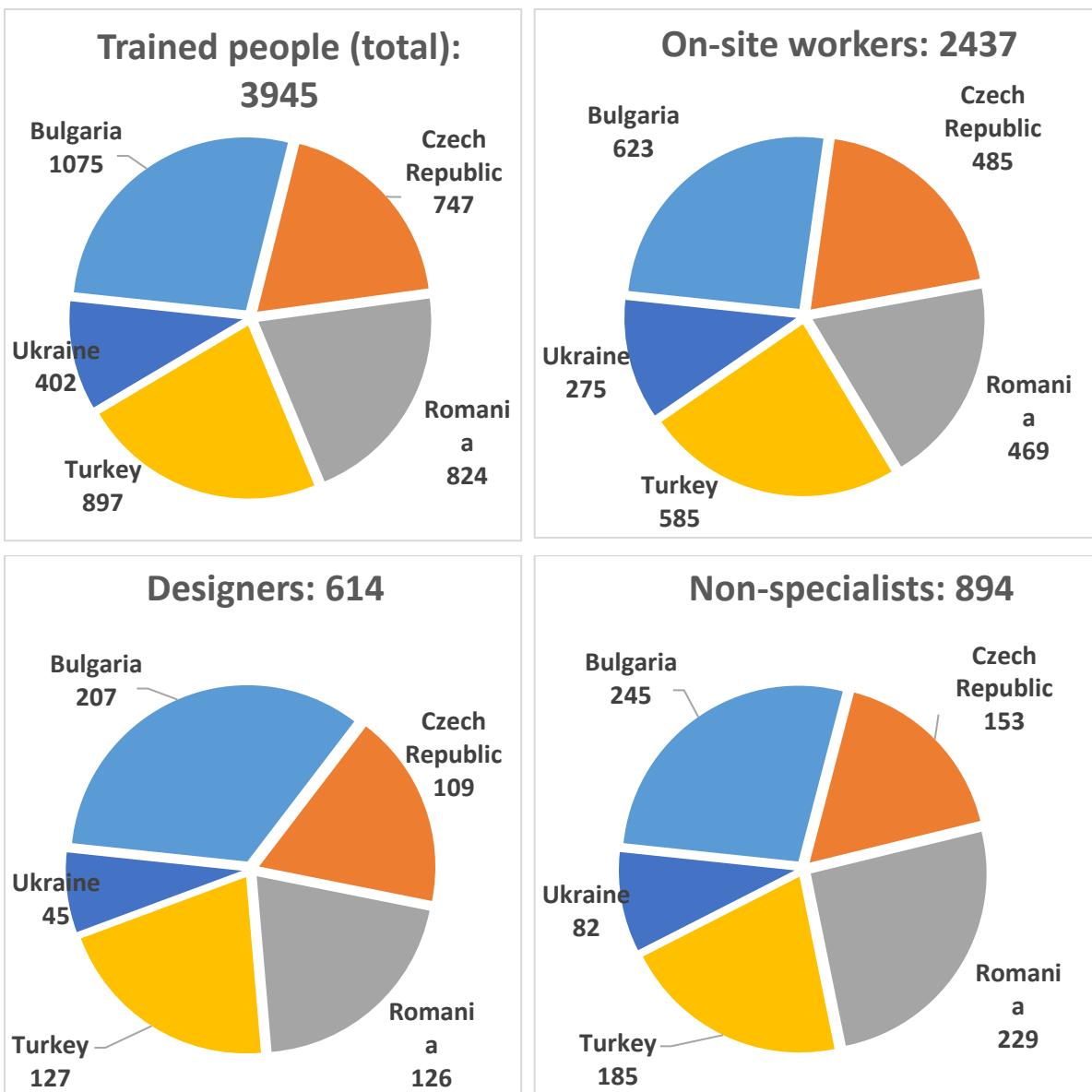
A key moment in the adaptation of the communication strategies was the marketing research conducted in the BKH host countries. Except for the current demand for trainings, it was very informative regarding the attitudes, key messages, preferred channels and possible outcomes from the major target groups. Using this knowledge, the most appropriate communication instruments were selected in each country and the results from the implementation strategy were visible throughout the project.

Progress towards the general objectives

- To attract **2400 construction specialists, 480** designers and **720** non-specialists to the trainings offered

Starting point: As evidenced by the conducted marketing research, the interest towards training on NZEB issues and especially the intention to participate in training courses is very low in all 3 major target groups.

Final results: After the first half of the project, despite the general low awareness levels, there were already tangible signals for arising training demand from all target groups, and even concrete requests for training courses. These signals were detected during project events and meetings, which are considered as one of the best working promotion tools so far, and also during dedicated meetings with commercial companies active in the construction sector. During the last 2 years of the project, the partner teams have capitalized on that demand, achieving significant results and reaching the very ambitious success indicators. A total of 3945 persons were trained (excluding the trained trainers, with which the number is above 4000). The distribution along target groups and countries is as follows:



- To engage at least 5 additional training centers and 50 experts in the BKHs network

Starting point: There is a good basis provided by the BUILD UP Skills initiative; however countries like Ukraine and Turkey have not been eligible, and Czech Republic didn't have BUS Pillar II project. PHI has a broad network of contacts.

Final results: 10 trainings centers are engaged through MoUs and more than 200 experts are listed as trained trainers, largely due to high interest from the Turkish academic community. However, in all country, a large network of trainers is established already in the first half of the project. The active engagement with other training providers is evaluated as very positive, as the increased/improved training offers are jointly developing the market and providing stable supply. The new knowledge generated through the project is securely entering the national educational systems, which is proven with new parallel developments in terms of amended state educational standards and new courses and disciplines in professional high schools and universities.

- To increase the media coverage of the initiatives in the VET in the building sector and ensure more than 30 publications in the professional media and at least 5 publications in the general media

Starting point: Although the coverage of the topic is possible in the professional media, the interest is not big. The general media are almost impossible to reach with issues related to NZEB training.

Final results: There are more than 60 publications in the professional media. General media is also reached on several occasions, with 9 appearances in TV/Radio, mainly in relation with other topics and events related to energy efficiency in buildings. As an outcome of the project, partners and BKHs in general have direct access to the professional media in the respective countries, which stimulates the demand and builds interest on the topic among all stakeholders' groups. In terms of access to general media, however, the situation is more complicated, even though the project target is overachieved. As a general issue, it is still very hard to attract national-coverage general media with thematic news items related to professional training and education. The only way to reach such media outlets is to attract high-profile politicians and public figures or to use conflict situations provoked by low quality of construction works. However, it is not possible to build a coherent strategy based on such approach, having in mind the limited resources. Thus, the appearances become episodic and do not have significant impact. On the other side, attracting popular figures regularly supporting and promoting high-quality NZEBs may have an unexpectedly strong impact. This was evidenced in Romania, where a video-blog of a famous journalist building a Passive House for himself is considered to have a tangible impact on the training demand.

- To raise the awareness of the end users and decision makers for the most efficient building concepts, energy efficiency standards and RES solutions in buildings, involving at least 400 followers in the social media, 100 expressions of attitude and/or forum posts, and 10 citations from policy makers and public figures.

Starting point: Social media are not commonly used in BKH hosts, except for Facebook which is exploited for entertainment rather than work. At European level, social media are much more beneficial, especially Twitter.

Final results:

The social media operated by the project has more than 2000 followers in total (mostly Facebook and Twitter, including local pages), not counting personal profile of project's experts which are also often used for promotion of project activities. Expressions of attitude (likes, comments, shares) are measured in thousands. Posts have been retweeted by major actors as Mr. Paul Hodson, the H2020 Energy Efficiency page, the BUILD UP portal and many others. The indicators are overachieved, and social media has proven to be a major source of information for many potential participants in training, both specialists and non-specialists, which would have hardly be persuaded to visit the courses without evidence for their quality surfacing on these channels. The channels will continue to be maintained after the end of the project to continue to promote the ongoing courses, having gathered a mass of followers, proving to be one of the best marketing agents.

The screenshot shows a Facebook page for 'Train-to-NZEB'. The profile picture is a man working on a wall. The page has 30 likes and was posted on January 30 at 12:30. The post contains a photo of two men working on a wall in a workshop setting. Below the photo, it says 'Passive House Academy' and 'Confirming our last Certified Passive House Tradespersons course in Dublin is on next week in Finglas. See all details here. <http://ow.ly/wn9O30nuEDQ>'.

The screenshot shows a Twitter profile for 'Train-to-nZEB'. The profile picture is a man working on a wall. The bio says 'Joined February 2016' and lists 88 photos and videos. The timeline shows two tweets from 'fit2nzb' and 'H2020EfficientEnergy'. The profile has 247 tweets, 105 followers, and 331 following. The sidebar shows 'Who to follow' and 'Trends for you'.

Specific objectives

- **To attract building professionals to the trainings offered**
 - Publish articles in the professional media: at least 30 publications. **Doubled by the end of the project.** Professional media have become an important game-changer, shifting interest towards the BKH of important target groups and direct users of the training.
 - Involve national construction and designers' chambers and professional associations: involve more than 10 relevant professional associations: **Achieved.** Significant efforts have been exercised in all countries, as specific successful stories are evidenced in the Czech Republic, where Train-to-NZEB courses have been officially recognized and promoted by the Chamber of Chartered Engineers.

- Present the project in external events targeted to the professional community: participate in more than 20 events: **Achieved**. Actually, the project has been presented at more than 150 events, as this interface has proven to be crucial for gaining trust in the quality of the promoted training courses. A largely effective communication means at relatively low cost.
- Involve construction companies to project events: involve more than 30 companies. **Achieved**. A sufficient number of companies participated at project events; however, the better channel for them are definitely professional and social media.
- Cooperate with producers and distributors of building components and materials: involve more than 10 companies. **New target of 50 achieved at the end of the project**. Arguably the most important target group, where conferences and workshops had to be followed by face-to-face meetings. The benefits are manifold: access to new knowledge, joint organization of courses, increasing the interest to courses due to access of trainees to new products, and of course – direct support to the equipment of the BKHs.
- Promote the results of the workshops that will be held through the project: organize more than 20 workshops: **Achieved**. The project partners have organized 20 conferences and 20 workshops in the framework of the project.
- Boost peer to peer communication to share experience and expertise: document more than 20 meetings with key stakeholders. **Largely overachieved**. Meetings with key stakeholders have proven to be one of the best marketing and dissemination channels. This is confirmed by the number of cooperation activities with producers and distributors of building components and materials, but also by the numerous key speakers at forums organized by the project, representing all major pre-identified target groups.
- Expand the use of materials created within the project in relevant academic contexts: attract at least 10 universities to project events. **Overachieved**. The project has gained ground in academic circles due to active involvement in universities and joint organization of scientific conferences and practical workshops.
- **To engage additional training centers and experts in the BKHs network**
 - Engage partner networks in dissemination of project-related information: engage at least 8 partner networks. **10 partner networks are attracted**, operating at national and international level.
 - Launch the project website, with information on the establishment and functioning of the 5 participating regional centers. **Website launched, actively and regularly maintained, attracting an average of over 1000 unique visits per month**.
 - Disseminate information in professional groups in social media: involve at least 6 professional groups. **6 professional groups are involved in social media**, mostly on Facebook which is the prevailing social media outlet in the focus countries.

- Participate in conferences and networking events, presenting the benefits of joining the network: participate in more than 25 events. **The new target of 75 events set in the Interim report is overachieved.** Information is available in the national reports below.

- **To increase the media coverage of the initiatives in the VET in the building sector**
- Promote the launch of the BKHs network and the services offered through press releases and personal communication: prepare and disseminate a total of at least 24 press releases: **Doubled.** A total of 48 press releases are disseminated according the partners' reports. Information is available in national reports below.
 - Prepare media-friendly content (high-quality texts and pictures and video materials, where relevant): 10 articles with high-quality texts and pictures; 2 video materials, 2 materials in the form of interview/Q&A. **The target is achieved.** 10 articles are prepared. 2 print interviews are published in Bulgaria. Video materials are available in different forms: as training materials for specialists and non-specialists groups, as TV reports and as photo collections from the projects. On 2 occasions, the project is presented in pitching events using these materials.
 - Invite media to project events and follow-up the coverage: Invite at least 30 representatives of different media to the project events and follow-up the coverage, targeting at least 10 materials in different media: **The target is achieved.** The numerous events organized and supported by the project are attended by more than 100 media representatives in total, resulting in 73 articles and hundreds of announcements for the different events.
 - Organize at least 4 media events or press conferences at the opening of the centers: **5 special events for the opening of the centers are organized (including Ukraine).**
- **To raise the awareness of the end users**
- Boost peer to peer communication through user-friendly informational materials: provide at least 20 articles in the website and at least 80 posts in the social media: The new social media target of 200 posts is overachieved. 20 articles in project website and partners' websites are published.
- Provide opportunities for face-to-face consultations in the new BKHs: invite at least 20 representatives of housing associations to courses and demonstrations: the target is achieved through the non-specialist training courses. A special focus group for this target group was organized in the Bulgarian BKH together with the ECHOES project.
- Maintain the website of the project and link to additional resources: provide links to other projects and initiatives supporting EE & RES in buildings; exchange information with at least 2 VET providers about courses and events. **Target achieved;** a significant impact is exercised through the PHI's network of more than 70 training providers regularly receiving information about the project and the related training activities.
- Publish information in general media: Send at least 10 press releases and publish at least 5 articles in general media: **Target achieved.** As described above, 48 press releases are

disseminated, 9 TV/radio appearances are witnessed, and a number of announcements for project events are reported by daily newspapers and information agencies.

- Conduct trainings for non-specialists according to project's goals (720 trainees):

Target achieved. 894 non-specialists with decision-making capacities have undergone training and demo sessions in the framework of Train-to-NZEB. E-learning resources for non-specialists are also attracting significant attention.

TV appearances of project experts tackling issues related to vocational education and training in the construction sector



Communication and Dissemination Strategy of BKH Bulgaria

Final Report

PROGRESS TOWARDS OBJECTIVES:

General objectives

- To attract 600 building professionals, 120 designers and 180 non-specialists to the trainings offered

Starting point: At the start of the project, the number of building professionals attending courses for further qualification is constantly decreasing and for many specialties is reaching levels close to zero, which is evidenced by the annual statistics provided by the National Agency for VET. Courses for designers are rare, and for non-specialists are virtually non-existent. No market exists; costs for the courses are usually covered by the Employment Agency or other public sources.

Current situation: Although the starting point description was confirmed by the marketing research, the demand for NZEB-related training is slowly rising. The training courses have gained pace, as there are requests from all target groups; however, specific issues as airtightness and MHVR as still largely underestimated and awareness levels are low. The financial support programmes at national level are not targeting nZEB level which seriously hampers the demand for training on the topic. However, due to the successful marketing and communication campaign, at the end of the project the success indicators (SI) are achieved, as follows: **622 building professionals, 201 designers, and 274 non-specialists.**

- To engage at least 2 additional training centers from Bulgaria and 20 experts in the BKHs network

The starting point is zero but it is supposed that at least some of the partners on BUILD UP Skills EnerPro would be interested to join and use the materials. Individual trainers are, on the other side, more likely to join, as there are few opportunities for post-graduate professional specialization for them in Bulgaria.

Current situation: An agreement for hosting the BKH is concluded with the University of Architecture, Civil Engineering and Geodesy and cooperation activities have started (a new Master's programme is running). An agreement for delivery of the courses is signed with High School of Architecture and Construction - Pazardzhik. More than 30 trainers have passed the BKH train-the-trainer courses and actively conduct training sessions in the BKH.

- To increase the media coverage of the initiatives in the VET in the building sector: provide at least 20 publications in the professional press and websites and 2 publications in the general media.

Starting point: Publications in the professional press related to VET, although a rarity at the moment (generally related to the BUS initiative and the projects of the construction chamber), are easier to achieve, not in small part due to the good relations of the consortium members with the editors and journalists. General media is however harder to reach so the cooperation with external partners and the involvement of the Ministry of Education and Science, the National Agency for VET and the Employment Agency will be sought after in order to attract the attention of the leading media.

Current situation: More than 50 publications in professional press, magazines and websites are achieved and the need to develop the capacity along the construction value chain is discussed 2 times on Bloomberg TV, mentioning the project. Train-to-NZEB supported events, e.g. the 1st Bulgarian NZEB conference, are extensively covered by the national media and professional media.

- To raise the awareness of the end users and decision makers for the most efficient building concepts, energy efficiency standards and RES solutions in buildings: 200 followers in social media / 100 social media expressions of attitude (comments/likes) / 5 citations from policy makers and/or prominent public figures.

Starting point: Social media is not very widespread in Bulgaria for promotion of business issues, and Facebook, which is quite common, is usually used for leisure and entertainment. LinkedIn and Twitter are not very common, and other applications are virtually non-existent. Based on previous experience, professional website forums are also quite inactive. The achievement of the indicators above would be a strong signal for the increased public relevance of the topical issue.

Current situation: It was decided that social media at project level (operated by the coordinator and rich in content about the developments in Bulgaria) are sufficient for the moment, as doubling the information will distract and confuse the still limited audience.

The total number of followers of the project in Facebook and Twitter is more than 500, and expressions of attitude are above 200. The Facebook profiles managed by EnEffect in Bulgarian language and reflecting all project-related information gather more than 500 followers. The project-related posts (more than 100) have gathered more than 500 (positive) expressions of attitude.

Specific objectives

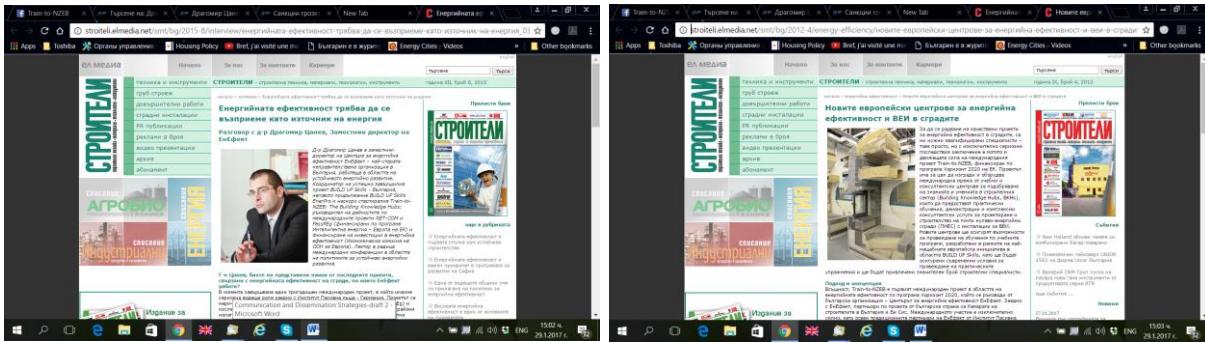
- **To attract building professionals to the trainings offered**
 - Publish 20 articles in the professional media: **44 articles published**
 - Involve the Chamber of Architects in Bulgaria and the Chamber of Engineers in Investment Design in the project events and trainings: **both involved through personal discussions and participation in trainings**; the feedback from the TTT course from the Chamber of Engineers in Investment Design is very positive. Cooperation for joint marketing of training courses and inclusion of the BKH courses in the continuous training system of the Chamber of Architects in Bulgaria has been agreed.
 - Present the project in 8 external events targeted to the professional community: **presented at more than 35 events**; a very successful tool to raise awareness
 - Involve at least 10 construction companies to project events and trainings: **the indicator is completed only through project events**. The total number is more than 20.
 - Cooperate with at least 5 producers and distributors of building components and materials: **more than 10** producers and distributors have officially agreed to cooperate with the BKH. Joint events have been organized with the Bulgarian Association for Insulation in Construction, Bulgaria “Windows, Doors, Facades” Association, and many individual

companies. An exhibition with more than 10 presenters has been organized within the 1st National NZEB Conference.

- Promote the results of the workshops that will be held through the project through 4 press releases and/or own publications: **6 press releases to multiple media outlets and 12 own publications in selected external media are published**
 - Boost peer to peer communication to share experience and expertise: attract at least 150 local building experts or decision makers to project events: **about 400 participants have attended only the national meetings organized by project. The total number of reached experts through different channels is much higher.**
 - Expand the use of materials created within the project in relevant academic contexts: attract representatives of at least 3 universities to project event and try to establish sustainable cooperation through MoUs, peer review and exchange of training materials: **A cooperation agreement is signed with the University of Architecture, Civil Engineering and Geodesy**; meetings and discussions are conducted with Ruse University, New Bulgarian University, Varna Free University; Construction University “Lyuben Karavelov”. Representatives of Technical University Sofia and Technical University Gabrovo have attended project events.
- **To engage additional training centers and experts in the BKHs network**
 - Engage 2 partner networks in dissemination of project-related information: **Municipal Energy Efficiency Network EcoEnergy, WWF Bulgaria, the “Decent Home” Coalition, Bulgarian Climate Coalition have disseminated information about the project at regular basis.**
 - Launch and maintain the project website with regular updates of the information, feedback options and distance learning capabilities: **The project website is launched and operational. The website www.busenerpro.bg offers full information about the training offering, keeping the audience of the previous related projects (BUILD UP Skills Bulgaria and BUILD UP Skills EnerPro). Distance learning capacities are available at the Passive House training platform (also in Bulgarian) and on the “BuildInGreen” Portal. The website of EnEffect offers updated information about the project and maintains links to the training courses. The same is relevant for the websites of BCC and BSYS.**
 - Regularly disseminate information in at least 3 professional groups in social media: **information is disseminated in EcoEnergy FB profile, BUILDPON FB and web database, BUILD UP portal, and info newsletter of Bulgarian Association for Insulation in Construction.**
 - Participate in at least 8 conferences and networking events, presenting the benefits of joining the network: T2NZEB has been presented in **more than 35 conferences and networking events**. The benefits of joining the network are presented at **12 BUILD UP Skills**

EnerPro training events with more than 15 training and educational institutions - potential partners in the network.

- **To increase the media coverage of the initiatives in the VET in the building sector**
 - Promote the launch of the BKHs network and the services offered through at least 4 press releases and personal communication with representatives of at least 5 media: **6 general press releases and personal discussions with 11 key media channels (Bloomberg and Nova TV, Bulgarian National Radio, Stroitelstvo Gradat ("Building the City") media group; El Media, Kashtata.bg, Stroitel, Stroiteli, Investor.bg, Capital/Dnevnik Group, Greentech.bg).**
 - Prepare media-friendly content (10 articles with high-quality texts and pictures; 2 video materials, 2 materials in the form of interview/Q&A): **12 articles and 3 interviews prepared; video content from the opening ceremony and from related events available.**
 - Invite at least 15 representatives of different media to the project events and follow-up the coverage, targeting at least 5 materials in different media: **More than 40 representatives invited; more than 20 materials achieved.**
 - Organize a press conference at the opening of the centers, including a demonstration session for the journalists: announced but **not realized due to low interest from journalists.**
 - Attract at least 3 journalists from different media to cover the activities in the BKHs on regular basis: **3 journalists/media attracted (Stroitel, ElMedia, EcoEnergy).**
- **To raise the awareness of the end users**
 - Boost peer to peer communication through user-friendly informational materials: provide at least 10 articles in the website and at least 25 posts in the social media: **6 articles in EnEffect and BCC websites and 7 articles disseminated in the BCC website through Stroitel magazine. About 50 posts in social media about the work in Bulgaria.**
 - Provide opportunities for face-to-face consultations in the new BKHs: invite at least 20 representatives of housing associations to courses and demonstrations: **achieved.**
 - Maintain the website of the project and link to additional resources: provide links to other projects and initiatives supporting EE & RES in buildings; exchange information with at least 2 VET providers about courses and events: **website maintained; links available; cooperation with VET providers ongoing.**
 - Send at least 5 press releases and publish at least 2 articles in general media: **6 press releases sent to general media. 3 TV and radio appearances mentioning the project and/or its results, and more than 20 articles in general media dedicated to project-related events are achieved**
 - Conduct trainings for non-specialists: attract at least 180 non-specialists to the trainings offered: **274 non-specialists have attended training sessions.**



Annex 1: Monitoring communication and dissemination activities

EVENTS (organized by the project or external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
1. Bansko training: OP Administrative capacity	2015-07- 20	Training for municipal officers	PH and municipal planning	LAs	n/a	n/a	30	n/a	y	Too ambitious and far from the current practice, but still positive
2. Deep Green Innov with BUILD UPON all projects	2015-10- 22	webinar	Capacity building on PH	All groups	http://www.buildup.eu/en/events/deep-green-renovations-build-upon-live-online-conference	http://brightestgreenestbuildings.eu/data/EVENT%20INFO%20-%202022%20October%20-%20Deep%20Green%20Renovations%20with%20BUILD%20UPON.pdf	50	presentation	y	Positive, resulting in further cooperation
3. Annual conference of UACEG	2015-11-05	conference	Energy efficiency in higher education	Universities, architects/d esigners, construction professionals	http://www.ksb.bg/images/NOVO1/UASG/POKANA_CPM_RSB	n/a	45	presentation	y	Positive, resulting in further cooperation

					S 2015 BG. pdf					
4. Annual conference of Sofia University	2015-11-20	conference	Energy efficiency in urban policies	Universities, regional planners	removed	Link to conference agenda	30	n/a	y	Generally positive, too broad agenda
5-12. 8 TTT courses under EnerPro	Jan-Feb 2016	training	PH for construction workers	Professional high schools, VET providers	http://www.busenerpro.com/1057109810731080109010801103.html	http://www.eneffect.bg/button/?category_id=129&page_id=523	109	Yes: 100 flyers; presentation	y	Largely positive, although the topic is deemed distinct from the construction practice
13. EcoEnergy Conference	2016-04-05	Conference	Building renovation – capacity building needs	LAs, energy agencies, financing bodies, government, NGOs	http://www.ecoenergy-bg.net/bg/menu2/events/conference?store4_data_type=181554112090132048	http://www.eneffect.bg/button/?category_id=129&page_id=525	50	Yes: 50 flyers, presentation	y	Positive, awareness raising for non-specialist groups
14. T2NZEB 1st national meeting	2016-05-19	Conference and workshop	PH & building renovation – capacity building needs	VET providers, universities, manufacturers	http://www.train-to-nzeb.com/events.html	http://www.eneffect.bg/button/?category_id=129&page_id=531	43	Yes: 50 flyers, presentation	y	Largely positive, collaboration with BUILDUPON and Association Windows, Doors, Facades
15. German-Bulgarian Industrial and Commercial Chamber	2016-06-21	Conference	Deep energy renovations	Manufacturers, public authorities, construction	Link	Link	50	Yes: 50 flyers, presentation	y	Largely positive, collaboration with Testo and Oberon Konzeptbau

				companies, NGOs						
16. C4E Forum	2016-06-24	Seminar	Capacity building needs for NZEB	Manufacturers, public authorities, NGOs	http://c4eforum.net/	http://www.train-to-nzeb.com/events.html	20 at the parallel session, total of 200	Yes: 50 fliers, presentation	y	Largely positive, a number with partnerships initiated
17. Webinar with Energy Efficiency Watch / Covenant of Mayors	2016-08-19	webinar	Energy policies and capacity building needs	Public authorities, NGOs, energy experts	removed	http://www.eneffect.bg/button/?category_id=129&page_id=552	23	presentation	y	positive
18. Seminar in Rudozem under the Norwegian programme	2016-08-24	Seminar	PH projects in Bulgaria	Las	Link	Link	15	Yes – 20 flyers	y	neutral
19. Bulgarian Mining and Energy Forum	2016-09-19	Conference	Deep energy renovation and capacity building efforts	Energy experts, public authorities, NGOs	Link	https://www.bulenergyforum.org	50	no	y	positive
20. EnerPro and BUILDUPON seminar	2016-10-27	Seminar	VET needs and opportunities	VET providers, manufacturers, NGOs, universities, business associations and chambers	http://www.eneffect.bg/button/?category_id=129&page_id=560	http://www.busenerpro.com/1057109810731080109010801103.html	40	Yes – 50 flyers, , presentation	Y	Positive, cooperations with different actors (Knauf, UACEG continued)

21. T2NZEB TTT in UACEG	2016-11-02	Training course	NZEB training needs	Universities, architects, engineers, trainers	http://www.eneffect.bg/button/?category_id=129&page_id=561	http://www.train-to-nzeb.com/events.html	30	Yes – 30 flyers	y	Positive, cooperations with different actors (UACEG, Chamber of Engineers, trainers)
22. Step-to-sport seminar in BCC	2016-11-07	Seminar/training	Energy efficiency in public buildings	Non-specialists: building owners/managers, public officials	Link		33	Yes-50 flyers, , presentation , video	Y	Positive, demand for future training courses
23. Seminar with Stara Zagora regional info center	2016-12-02	Seminar	Energy efficiency policies and best practices	LAs, construction companies, NGOs, investors	removed	http://www.starozagorci.com/news-22909.html	40	Yes – 30 flyers, presentation	Y	Predominantly positive, low levels of awareness
24. 2 nd national T2NZEB meeting, NDK	2016-12-02	Conference	NZEB/PH – principles and best practices	All groups	http://www.ecodesign-pretaporter.com/event_17.html	http://www.eneffect.bg/button/?category_id=64&page_id=570	140	Yes – 150 flyers	y	Strongly positive, a number of new partnerships initiated
25. BankWatch network seminar	2017-01-23	Seminar	Energy policies and their impact on training	Policy makers, NGOs, energy experts	removed	removed	25	No	Y	Positive, invitations for further meetings
26. Smart Cities conference	2017-03-07	Conference	NZEB/PH – principles and best practices,	All groups	removed	http://www.eneffect.bg/button/?category_id=129	30	Yes – 20 flyers	Y	Strongly positive, a number of new partnerships initiated

			training offer of BKH			<u>&page_id=582</u>				
27. Sustainable Energy Development conference in Gabrovo	2017-04-06	Conference	Energy policies and planning, NZEB/PH – principles and best practices, training offer of BKH	All groups	http://www.eneffect.bg/button/?category_id=129&page_id=580	http://www.eneffect.bg/button/?category_id=129&page_id=587	61	Yes – 40 flyers, poster	Y	Strongly positive, a number of new partnerships initiated
28. Spa-ce.NET conference in Sofia	2017-09-14	Conference	Relation between regional development and professional skills	Universities	http://www.spa-ce.net/	n/a	25	Yes – 15 flyers	Y	Heterogeneous due to different national specifics. Result: peer-reviewed article
29. Annual gathering of the National Association of Municipalities	2017-10-15	Conference	Energy policies and planning, NZEB/PH – principles and best practices, training offer of BKH	Local authorities, NGOs, policy makers	http://www.bta.bg/bg/c/BO/id/1669019	http://www.eneffect.bg/button/?category_id=129&page_id=623	60	Yes – 50 flyers	Y	Positive, interest for activities at local level
30. EcoEnergy conference, Burgas	2017-10-26	Conference	Energy policies and planning, NZEB/PH – principles and best practices,	All groups	http://www.eneffect.bg/button/?category_id=129&page_id=610	http://www.eneffect.bg/button/?category_id=129&page_id=618	80	Yes – 50 flyers	Y	Strongly positive, new partnerships initiated, impact at national level governance

			training offer of BKH							
31. UACEG conference	2017-11-02	Conference	NZEB/PH – principles and best practices, training offer of BKH	Universities	http://conference2017.uacg.bg/	n/a (FB post available)	25	Yes – 15 flyers	Y	Predominantly positive
32. BKH open doors days	2017-11-10	Demonstrations	NZEB/PH – principles and best practices, training offer of BKH	All groups	https://www.facebook.com/events/149833602419036/	removed	80	Yes – 50 flyers, poster	Y	Strongly positive, a number of new partnerships initiated
33. Energy efficiency as tool to fight off energy poverty, Sofia	2018-03-19	Conference	Energy policies and planning, NZEB/PH – principles and best practices	All groups	http://www.eneffect.bg/button/?category_id=129&page_id=635	http://www.eneffect.bg/button/?category_id=129&page_id=644	150	Yes – 50 flyers, poster	Y	Strongly positive, media coverage, connections with national authorities strengthened
34. EcoEnergy conference	2018-04-26	Conference	Energy policies and planning – need for training	All groups	http://www.eneffect.bg/button/?category_id=129&page_id=645	http://www.eneffect.bg/button/?category_id=129&page_id=654	80	Yes – 50 flyers, poster	Y	Strongly positive
35. Deep energy retrofit seminar, Dobrich	2018-06-06	Workshop	Training for NZEB and deep retrofit	Local authorities, construction industry	http://www.eneffect.bg/button/?category_id=129&page_id=656	http://www.eneffect.bg/button/?category_id=129&page_id=666	25	Yes – 15 flyers	Y	Strongly positive

36. Sustainable renovation of the public buildings, Gorna Malina	2018-06-11	Seminar	Energy policies and planning – need for training	Local authorities, local industry, NGOs	http://www.w.ecoenergy.bg/button/?category_id=129&page_id=667	50	Yes – 20 flyers	Y	Strongly positive, demand for local training center
37. 1 st national NZEB conference, Burgas	2018-06-20/22	Conference, exhibition and training session	Energy policies and planning, NZEB/PH – principles, best practices, BKH training offer	All groups	http://www.nationalnzebconference.com/	120	Yes – 50 flyers, poster, final brochure	Y	Strongly positive, media coverage, connections with national authorities and businesses strengthened
38. BGBC Green Homes event	2018-09-26	Seminar	Energy policies and planning, BKH training offer	Energy experts, policy makers, construction industry, real estate, facility managers	https://www.bgbc.bg/bg/News/Events-and-Training/194/	n/a	50	No	Largely positive, new partnerships initiated
39. T2NZEB final national conference and BKH open days	2018-11-09	Conference and demonstrations	NZEB/PH – principles, best practices, BKH training offer	All groups, focus on VET providers and industry partners	http://www.eneffect.bg/button/?category_id=64&page_id=688	50	Yes – 20 flyers, poster, final brochure	Y	Strongly positive, partnerships confirmed and new actions planned

<i>40. Annual conference of the Association of Bulgarian Energy Agencies</i>	2018-12-04	Conference	NZEB/PH – principles, best practices, BKH training offer	Energy experts, policy makers, NGOs	https://new.abea-bg.org/	http://www.eneffect.bg/button/?category_id=64&page_id=704	60	Yes – 20 flyers, poster, stand, final brochure	Y	Largely positive, new partnerships initiated
--	------------	------------	--	-------------------------------------	---	---	----	--	---	--

SI: More than 12 events; more than 150 different participants, all target groups covered, 2000 copies of information materials distributed, positive evaluation of the initiative

TV & RADIO

Либерализацията на енергийния пазар помага за справянето с енергийната бедност

<http://www.bloombergtv.bg/v-razvitie/2016-12-09/liberalizatsiyata-na-energiyniya-pazar-pomaga-za-spravyaneto-s-energiynata-bednost>

Санкции грозят България заради неизпълнение на европейски регламент за намаляване на енергийното потребление на сградите

<http://bnr.bg/euranetplus/post/100721742/sankcii-grozat-balgralia-zaradi-neizpalnenie-na-evropeiski-reglament-za-namalavane-na-energiinoto-potreblenie-na-sgradite>

Драгомир Цанев: Като общество подценяваме енергийната ефективност

<http://bnr.bg/post/100786053/energiina-efektivnost>

PRESS RELEASES

ЩЕ СЕ ПРОВЕДЕ ПЪРВАТА РАБОТНА СРЕЩА ПО ПРОЕКТА TRAIN-TO-NZEB

<http://stroitelstvo.citybuild.bg/news/provede-pyrvata-rabotna-sreshta/29665>

ЕнЕфект организира първа работна среща по проект за енергийна ефективност и ВЕИ в сградите

<http://renewables-bulgaria.com/article/1836-enefekt-organizira-parva-rabotna-sreshta-po-projekt-za-energiyna-efektivnost-i-vei-v-sgradite>

Stroitel 10/07/2015, issue 28: Камарата бе домакин на първата работна среща по проект Train-to-NZEB

Тази есен в УАСГ стартира магистърска програма "Енергийна ефективност в строителството"

http://gradat.bg/news/2016/08/11/2809734_tazi_esen_v_uasg_startira_magisturska_programa/

Започва магистърска програма Енергийна ефективност в УАСГ

http://stroiteli.elmedia.net/smt/bg/2016-6/events/a_04326.html

150 участници в семинар на ЕнЕфект на тема „Пасивни сгради“

<http://www.kabtata.com/actualno/novini/article/2587>

Повече от 150 участници в семинар на ЕнЕфект на тема „Пасивни сгради“

[http://www.buildinggreen.net/](http://www.buildingreen.net/)

Повече от 150 участници в семинар на ЕнЕфект на тема „Пасивни сгради“

<http://blog.tangra.bg/2016/12/%D0%BF%D0%BE%D0%B2%D0%B5%D1%87%D0%B5-%D0%BE%D1%82-150->

<http://blog.tangra.bg/2016/12/%D1%83%D1%87%D0%B0%D1%81%D1%82%D0%BD%D0%B8%D1%86%D0%B8-%D0%B2-%D1%81%D0%B5%D0%BC%D0%B8%D0%BD%D0%B0%D1%80-%D0%BD%D0%B0-%D0%B5%D0%BD%D0%B5%D1%84/>

Повече от 150 участници в семинар на ЕнЕфект на тема "Пасивни сгради"

http://gradat.bg/news/2016/12/13/2882548_poveche_ot_150_uchastnici_v_seminar_na_enefekt_na tema/

Семинар на ЕнЕфект на тема „Пасивни сгради“

<http://www.the-building.eu/novini/959-seminar-na-enefekt-na-tema-pasivni-sgradi>

Press releases sent out to professional and general media

13.12.2016 г. Повече от 150 участници в семинар на ЕнЕфект на тема „Пасивни сгради“ в НДК

01.12.2016 г. ЕнЕфект @ Екодизайн Прет-а-порте, НДК, 10 декември 2016 г.

11.08.2016, Започва магистърска програма Енергийна ефективност в УАСГ

01.07.2015 г. Съобщение за медиите. Първата работна среща по най-новия проект на ЕнЕфект и КСБ по програма Хоризонт 2020 на ЕК: "Train-to-NZEB: Новите европейски центрове за енергийна ефективност и ВЕИ в сградите".

INTERVIEWS

Енергийната ефективност трябва да се възприеме като източник на енергия

http://stroiteli.elmedia.net/smt/bg/2015-8/interview/%D0%B5%D0%BD%D0%B5%D1%80%D0%B3%D0%B8%D0%B9%D0%BD%D0%B0%D1%82%D0%B0-%D0%B5%D1%84%D0%B5%D0%BA%D1%82%D0%B8%D0%B2%D0%BD%D0%BE%D1%81%D1%82-%D1%82%D1%80%D1%8F%D0%B1%D0%B2%D0%B0-%D0%B4%D0%B0-%D1%81%D0%B5%D1%8A%D0%B7%D0%BF%D1%80%D0%B8%D0%B5%D0%BC%D0%B5-%D0%BA%D0%B0%D1%82%D0%BE-%D0%B8%D0%B7%D1%82%D0%BE%D1%87%D0%BD%D0%B8%D0%BA-%D0%BD%D0%B0-%D0%B5%D0%BD%D0%B5%D1%80%D0%B3%D0%B8%D1%8F_03574.html

Пасивните сгради с интегрирани системи за възобновяеми енергийни източници - най-прекият път към нулево и плюсово-енергийните сгради
http://www.ecodesign-pretaporter.com/publication_37.html

TARGETED PUBLICATIONS:

Знаем ли достатъчно за пасивната сграда? Академия „Пасивна къща“ проведе практическо обучение за български преподаватели в Дъблин, Ирландия

Автор: Драгомир Цанев, ЕнЕфект

http://www.ksb.bg/index.php?option=com_content&view=article&id=2171:znaem-lijnostatachno-za-pasivnata-sgrada-akademiya-pasivna-kashta-provede-prakticheskobuchenie-za-balgarski-prepodavateli-v-dablin-irlandiya&catid=11&Itemid=287

Новите европейски центрове за енергийна ефективност и ВЕИ в сградите

Продължават обучениета за строителни специалисти по проектите BUILD UP Skills EnerPro и Train-to-NZEB

<http://www.busenerpro.com/104110831086107>

TARGETED PUBLICATIONS: STROITEL MAGAZINE

Stroitel 10/06/2015, issue 25: Train-to-NZEB: най-новият проект на КСБ
Stroitel 10/07/2015, issue 28: Камарата бе домакин на първата работна среща по проект

Train-to-NZEB

Stroitel 25/12/2015, issue 52: Енергийната ефективност – акцент в проектите на КС
Stroitel 10/06/2016, issue 24: Енергийната ефективност през погледа на различни

Stroitel 16/12/2016, issue 51: Енергийната ефективност – предизвикателства и перспективи

TARGETED PUBLICATIONS: ECOENERGY NEWSLETTER

Повече от 150 участници в семинар на ЕнЕфект на тема „Пасивни сгради“

Е-бюлетин ЕкоЕнергия, ноември 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20December%202016.pdf>

Продължават обученията за строителни специалисти по проектите BUILD UP Skills

EnerPro и Train-to-NZEB

Е-бюлетин ЕкоЕнергия, ноември 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20November%202016.pdf>

Обучения по пасивни и почти нулево-енергийни сгради за строителни специалисти

Е-Бюлетин ЕкоЕнергия, октомври 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20October%202016.pdf>

Започва магистърска програма "Енергийна ефективност" в УАСГ. ЕнЕфект ще води редовен лекционен курс „Пасивни сгради“

Е-Бюлетин ЕкоЕнергия, юли-август 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20July-August%202016.pdf>

Енергийната ефективност е най-евтиният, чист и устойчив източник на енергия

Е-Бюлетин ЕкоЕнергия, юни 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20June%202016.pdf>

Изграждане на знания и умения в подкрепа на дълбокото енергийно обновяване на сградния фонд Съвместен семинар на проектите Train-to-NZEB и BUILD UPON

Е-Бюлетин на ЕкоЕнергия, май 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20May%202016.pdf>

Обучения за преподаватели по проект BUILD UP Skills EnerPro

Е-Бюлетин ЕкоЕнергия, януари 2016

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20January%202016.pdf>

TRAIN-TO-NZEB: НОВИТЕ ЕВРОПЕЙСКИ ЦЕНТРОВЕ ЗА ЕНЕРГИЙНА ЕФЕКТИВНОСТ И ВЕИ В СГРАДИТЕ

Е-Бюлетин ЕкоЕнергия, юни-юли 2015

<http://www.ecoenergy-bg.net/UserFiles/File/E-bulletin%20June-July%202015.pdf>

OTHER PUBLICATIONS:

Проект TRAIN-TO-NZEB: НОВИТЕ ЕВРОПЕЙСКИ ЦЕНТРОВЕ ЗА ЕНЕРГИЙНА ЕФЕКТИВНОСТ И ВЕИ В СГРАДИТЕ

http://solair-bg.eu/index_files/Energy_Efficiency_passive_house.htm

Добри практики за обновяване на сградния фонд

http://buildupon.eu/wp-content/uploads/2015/09/2016.07.22_WSI_Report-for-web_HQ.pdf

BUILD UP Portal

<http://www.buildup.eu/en/explore/links/train-nzeb-building-knowledge-hubs-europe-0>

Проект TRAIN-TO-NZEB (Почти нулево енергийни сгради)

<http://myclimate.bg/bg/tehnologii-i-inovatsii/>

Проведе се първият български уъркшоп по проект BUILD UPON

<http://www.bgbc.bg/bg/News/Events-and-Training/177/>

По пътя към почти нулево- енергийните сгради: Изграждане на знания и умения в строителния сектор

http://bulgarien.ahk.de/fileadmin/ahk_bulgarien/Dokumente2016/NewsJuni2016/EnnEff/Energieeffizienz/10.PPP_DragomirTzanev_21_June2016_BG.pdf

Communication and Dissemination Strategy of BKH Romania

Final Report

PROGRESS TOWARDS OBJECTIVES:

General objectives

- To attract 600 building professionals, 120 designers and 180 non-specialists to the trainings offered

Starting point: Building professionals, designers and non-specialists have access and gain some knowledge in an informal way on the NZEB domain, but don't have a legal frame to certify these competences/knowledge. The VET system is changing continuously. There are missing those key competences that bring quality to the NZEB-type activities and the costs for organizing these kind of trainings represents a barrier; for this reason specialised NZEB trainings are rare and difficult to organize.

Current situation: Due to the economic situation in Romania, at the moment the nZEB solutions cannot be considered affordable and the use of renewable energy technologies in buildings is not yet a common practice but the market is growing. There is still a need of changing the attitude of the building owners in order to ask for quality instead of lower price and to be more involved in the entire construction or thermal rehabilitation process. It is expected that the nZEBs will be a rarity up to 2020, driven by individual projects of interested private investors or a limited number of municipal projects. In this context, the Romanian team did great efforts to conduct an intensive marketing campaign to support the development of a healthy nZEB market and for changing the attitude at both system and individual level. The team also conducted a partnership program. Due to the successful marketing and communication campaign and the partnership program, at the end of the project the success indicators (SI) are as follows: **469 building professionals, 126 designers, and 229 non-specialists.**

- To conduct a number of at least 30 courses for construction workers on 10 selected training programmes, 6 courses for designers and highly qualified building professionals on 2 training programmes, and 9 training courses for non-specialists on 3 training programmes.

Current situation: The Building Knowledge Hub Romania provided by the end of November 2018, 30 courses for on-site workers, 4 courses for specialists and designers and 11 for non-specialists.

- To engage at least 4 additional training centres from Romania and 20 experts in the BKHs network

Starting point: It is supposed that at least some of the partners on BUILD UP Skills QualiShell project would be interested to join and use the materials. Individual trainers are, on the other side, more likely to join, as there are few opportunities for post-graduate professional specialization for them in Romania.

Current situation: The development of BKH RO was strongly based on partnerships with institutions and organizations with a focus on the nZEB sector such as: suppliers of building materials and solutions with EE/nZEB expertise/concerns, organizations providing trainings for relevant occupations in the field of EE in buildings, green buildings and NZE buildings, partners active in EU projects connected with green, passive house, nZEB concepts, local associations of building owners etc. As a result of the partnership campaign, 7 additional training providers from Romania (Order of Architects, Romstal Academy, GENIUS Brasov, Technical University of Cluj-Napoca, Agency for Energy Management and Environment Protection in Brasov Romania – ABMEE, Passive House Association Romania, Romania Green Building Council) and about 37 experts were attracted in the network.

- To increase the media coverage of the initiatives in the VET in the building sector: provide at least 6 publications in the professional press and websites and 2 publications in the general media.

Starting point: Publications in the professional press related to energy efficiency in buildings and to the construction sector are easier to achieve in Romania. The consortium members have a good relationship with the journalists and the subject will be of interest in order to reach the estimated indicators. General media is harder to reach but with additional efforts this will be possible also.

Current situation:

- Participation in a national TV show – talking about NZEB concept & Train-to-NZEB project
 - <http://www.wall-street.ro/tv/wall-street-360/piata-rezidentiala/ati-auzit-nzeb-ce-inseamna-cladire-consum-energie-aproape-egal-zero-raspunde-horia-petran-incerc-385.html?ap=1>

- Participation in a Radio Show at RFI Radio Romania – talking about nZEB concept and introducing training courses in schools
 - <https://www.rfi.ro/cu-zebra-la-scoala-98307-colegiul-tehnic-arhitectura-lucrari-publice-ioan-socolescu-iii>
- Press releases published online:
 - before and after the National Opening Conference
 - <http://www.comunicatedepresa.com/comunicatedepresa/se-lanseaza-projectul-train-nzeb-building-knowledge-hubs.html>
 - <http://www.comunicatedepresa.com/comunicatedepresa/s-lansat-projectul-train-nzeb-building-knowledge-hubs.html>
 - before and after Launching BKH RO
 - <http://comunicate-online.com/se-lanseaza-train-to-nzeb-the-building-knowledge-hub-romania-bkh-ro/>
 - <http://comunicate-online.com/s-a-lansat-building-knowledge-hub-romania/>
 - Regional Workshop in Brasov
 - <https://www.eventleaf.com/Attendee/Attendee/EventPage?eid=i7pA4mvFl27k7ERjCcG5xw%3D%3D&isPreview=False>
 - before and after Final National Conference
 - <https://www.eventleaf.com/Attendee/Attendee/EventPage?eid=aQDE2WNhDgHbHpsDUt2uWg%3D%3D>
 - <https://www.comunicatedepresa.net/articol/conferinta-finala-nationala-project-train-to-nzeb-the-building-knowledge-hubs-bucuresti-18-septembrie-2018>
 - <http://comunicate-online.com/conferinta-finala-nationala-project-train-to-nzeb/>
 - <http://comunicate-online.com/promovarea-cladirilor-cu-consum-de-energie-aproape-egal-cu-zero-nzeb-in-cadrul-conferintei-nationale-finale-a-projectului-train-to-nzeb/>
- Articles on partners websites:
 - <http://aaecr.ro/stiri/profesionisti-in-executie-certificati-pentru-casa-pasiva/>
 - http://www.psc.ro/wp-content/uploads/2018/03/PHTP_Structura-curs_RO.pdf
 - <https://hausenergy.com/post.php?id=2>
 - <https://www.pro-nzeb.ro/train-to-nzeb.html>
 - <https://www.oar.archi/actualitate/projectare-case-pasive-curs-intensiv>
 - <https://www.psc.ro/stiri-psc/conferinta-nationala-finala-a-projectului-train-to-nzeb-the-building-knowledge-hubs>
 - <http://federatiaconstructorilor.ro/activitate-fpsc/pregatirea-pentru-cladirea-pasiva-energetic-in-atentia-casei-de-meserii-a-constructorilor-cmc>
- Articles in specialized magazines:
 - Agenda Constructiilor

- <http://www.agendaconstructiilor.ro/files/sustenabilitate/incd-urban-incerc-pregateste-profesionisti-pentru-constructia-de-cladiri-nzeb.html>



- <https://www.agendaconstructiilor.ro/files/opportunitati-comunicate/psc-curs-in-domeniul-nzeb-certificat-de-passive-house-institute.html>

- MATEK

- <https://matek.ro/conferinta-nationala-finala-project-train-to-nzeb-the-building-knowledge-hubs/>
- <https://matek.ro/conferinta-nationala-finala-project-train-to-nzeb-18-septembrie-2018-bucuresti/>

- mtc Magazine

- <https://www.mtcmagazin.ro/calitatea-lucrarilor-de-constructii-si-a-certificarii-performantelor-energetice-ale-cladirilor-conformitate-si-responsabilitate-pentru-implementarea-conceptului-nzeb-in-romania/>

- Buletinul Constructiilor



- <http://www.euroconferinte.ro/2017/prezentari/Implementarea%20nZEB%20%C3%AEn%20Romania.pdf>

- Covasna Media

- <https://covasnamedia.ro/actualitate/casele-pasive-o-sansa-pentru-generatiile-viitoare>

- Scientific paper for an International Conference on Sustainable Energy

Programe de pregătire profesională în construcții pentru implementarea conceptului nZEB în România

Cursuri de pregătire profesională în construcții pentru implementarea certificării nZEB

- To raise the awareness of the end users and decision makers for the most efficient building concepts, energy efficiency standards and RES solutions in buildings: 200 followers in social media / 50 social media expressions of attitude (comments/likes) / 5 citations from policy makers and/or prominent public figures.

Starting point: Social media is a good drive for networking and promotion of business issues in Romania and the most relevant networks for this are LinkedIn and Twitter. Facebook is quite common in Romania, but more for entertainment.

Current situation: In the past years, Facebook turned to be more popular in Romania than Twitter or LinkedIn so getting to the target group was more efficient using it. In total, over 300 posts were disseminated on social media and more than 750 followers are now in contact with BKH Romania.

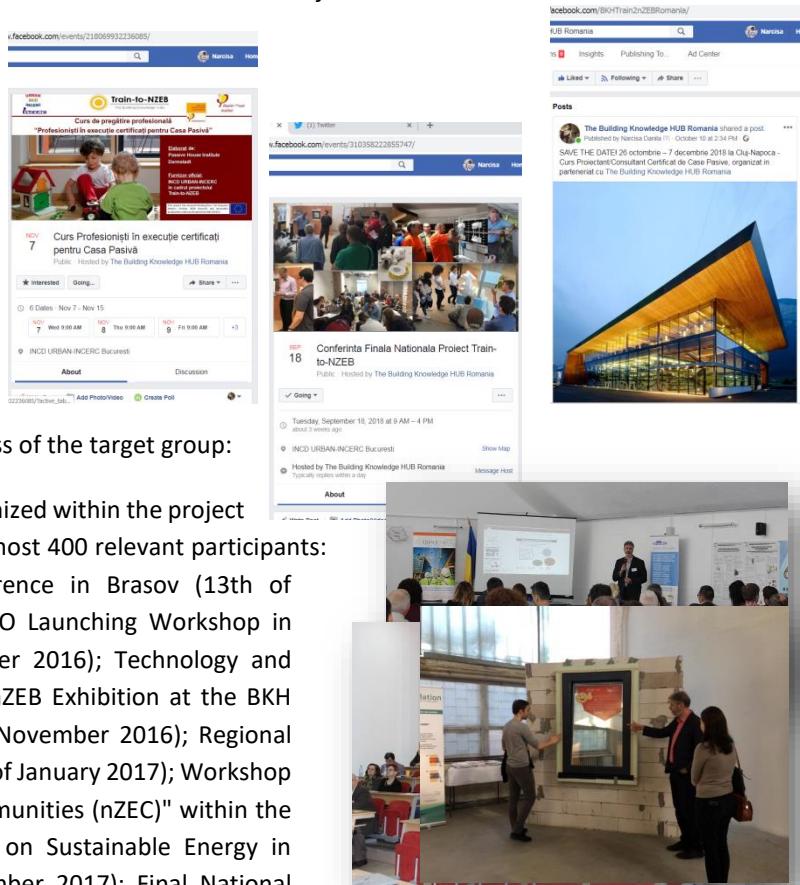
Dedicated pages of BKH Romania on [Facebook](#) (558 followers) and [Twitter](#) (200 followers) were created and are permanently updated with news about training courses, events, articles, pictures and live videos, share of other BKH posts etc. Likes, shares and comments are received and attract more followers.



▪ Other activities for raising awareness of the target group:

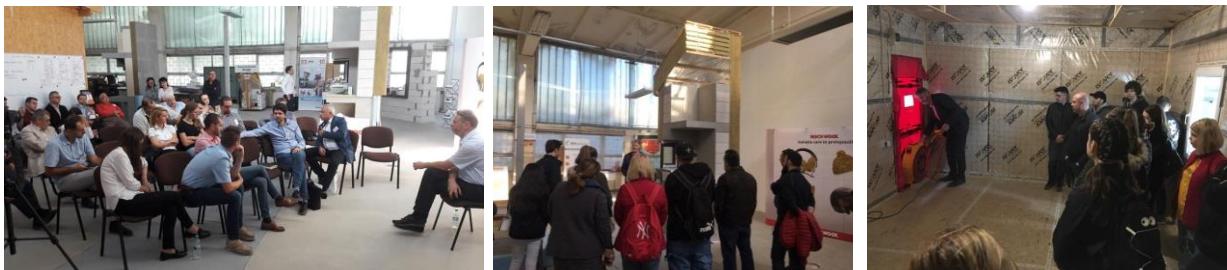
- 7 big events organized within the project in Romania with almost 400 relevant participants:

National Opening Conference in Brasov (13th of November, 2015); BKH RO Launching Workshop in Bucharest (20th of October 2016); Technology and Innovative Solutions for nZEB Exhibition at the BKH RO in Bucharest (11th of November 2016); Regional Workshop in Brasov (20th of January 2017); Workshop "Nearly Zero Energy Communities (nZEC)" within the International Conference on Sustainable Energy in Brasov (19-20th of November 2017); Final National Conference in Bucharest (18th of September 2018);



nZEB Café & Tour at BKH RO in Bucharest within the International PH days (10th of November 2018).

- A data base with relevant contacts was created as a base for communication activities based on the National Qualification Platform initiated within the BUILD UP Skills projects in Romania (ROBUST and QualiShell) and it reached over 1000 contacts: public central and local authorities, construction companies, providers of technology and building materials, architects and designers, energy auditors for buildings, building owners associations, vocational and educational training institutions, research institutes, financial institutions, professional federations, chambers and networks etc.
- Participation in 37 external events as a way of networking and promotion of project results (See the list of external events in Annex I).
- Individual meetings with relevant stakeholders (trainers, architects and designers, producers and suppliers of building materials, construction companies etc.).
- Announcement of the events and training courses organized within the project on Facebook and Twitter pages, via e-mail and using partners' networks.
- Communication with other EU funded projects having partners in Romania: Fit-to-NZEB, ABRACADABRA, BIO4ECO, BioEnergyTrain, progRES Heat, QUALICHeCK, MEnS, CertCraft.
- Opening the practical training facilities of BKH Romania in Bucharest and Brasov for everyone interested and organising constantly visits of students, technology providers, representatives of public authorities and other stakeholders. Each time an event took place on the premises of NIRD URBAN-INCERC for example (national conferences or dedicated workshops), a tour of the training centre was organized.
- Creating a nZEB community around BKH RO, which became more than a training centre but an unique place where all the interested stakeholders can meet and discuss subjects of interest (legislation, technology, new projects, challenges etc.) and share their knowledge and experience.



- Creating and update Train-to-NZEB Romania page on the project website: <http://www.train-to-nzeb.com/romania.html>

Train-to-NZEB Romania

Proiectul **Train-to-NZEB** este implementat în România de o echipă formată din 3 organizații specializate în performanță energetică a clădirilor, dezvoltare urbană, consultanță și dezvoltare a afacerilor precum și formare profesională în domeniul construcțiilor, acoperind astfel toată paleta de activități aferente proiectului. Colaborarea dintre cele trei organizații: Institutul Național de Cercetare-Dezvoltare în Construcții, Urbanism și Dezvoltare Teritorială Durabilă „URBAN-INCERC”, Business Development Group (BDG) și Fundația pentru Formare Profesională și Învățământ Preuniversitar VIITOR (FPIP) s-a dovedit de success, dovedă fiind primele rezultate ale proiectului în România.

Specializat în servicii de formare profesională și consultanță pentru clădiri cu consum de energie aproape egal cu zero (nZEB), **Building Knowledge Hub (BKH) România** este în curs de dezvoltare pe structura Centrului de Performanță Energetică a Clădirilor din cadrul INCD URBAN-INCERC, cu sprijinul BDG, FPIP și a altor actori identificați și implicați pe parcursul proiectului (inclusiv Clusterul pentru promovarea clădirilor cu consum de energie aproape egal cu zero PRO-nZEB).

BKH România va furniza servicii de formare profesională și consultanță pentru proiecte nZEB, pentru lucrători în construcții, specialiști

- **Promo materials disseminated with flyer, BKH Romania flyer, BKH brochure**



- **BKH Romania offer (pdf. brochure) was created in order to promote the services to the target group**

The
of

BKH Romania

1st nearly Zero Energy Buildings (nZEB) center in Romania providing training and consultancy services at the highest standards & using the latest technology and concepts.
Part of the Building Knowledge Hub (BKH) network in the Central and South Eastern Europe (Bulgaria, Romania, Turkey, Czech Republic and Ukraine).

-  improve knowledge and skills in the construction sector
-  promote professional nZEB knowledge in the market and facilitate the transfer of up-to-date information to support the development of a strong nZEB sector in Romania
-  raise awareness and build trust in nZEB and stimulate the increase of the market demand for high-quality nZEB projects
-  connect and stimulate cooperation of the relevant actors in the building industry by facilitating their access to the relevant nZEB information and supporting the assessment of their development needs



BKH Romania Offer



results
the

Partnership Program/Campaign resulted in cooperation with the most relevant organisations in Romania covering all the target groups for offering the BKH services:

- Pro-nZEB Cluster (7 relevant associations for construction companies, energy auditors for buildings, producers of building materials etc., 6 big providers of building materials and systems, 2 training providers, one municipality).



- Besides the Pro-nZEB Cluster for equipping the practical facility: ATREA, Ensy AS and, Aereco and NovingAIR (heat recovery ventilation systems), Aluprof, Teroplast, Suki (Rehau) and Markholz, Izotec Group & ISO Chemie Romania through U-R-B-A-N (windows and airtightness systems), Bilka, Izorare.ro, Zecaph etc.,
- Order of Architects in Romania for providing training courses for designers and architects,
- Romstal Academy, GENIUS Brasov, Technical University of Cluj-Napoca, Agency for Energy Management and Environment Protection in Brasov Romania – ABMEE, Passive House Association Romania, Romania Green Building Council as additional training providers.
- Central public authorities: Ministry of Regional Development and Public Administration,
- Local public authorities: Prahova County Council, Brasov Municipality, Dolj County Council, Regional Development Agency Centre, Sf. Gheorghe Municipality, Iasi Municipality, Cluj-Napoca Municipality, Bucharest Sector 1 Municipality,
- Financial institutions: Banca Transilvania, BCR, BRD Groupe Societe Generale, CEC Bank, Pro Credit Bank, Libra Bank,
- Building owners' associations: Liga Habitat (covering all the country),
- Students initiatives: EFdeN, Over4, "Ion Mincu" University
- Others.

Annex 1: Monitoring communication and dissemination activities

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
1. <i>ExpoEnergie 2015, Vth edition</i>	15.10.2015 , ROMEXPO Bucharest	International fair	renewable energy, conventional energy, equipment and technologies for oil and natural gas	manufacture rs and distributors of conventional and renewable energy, technologies and equipment for the oil and gas industry	http://www. eee-expo.ro/	n/a	n/a	50 flyers	N	Promotion & Networking for further cooperation
2. <i>The X-th edition of the INCD URBAN- INCERC National Conference</i>	16.10.2015 , INCD URBAN- INCERC Bucharest	National Conference & dedicated Workshop	building research, building economy, architecture, urban planning and territorial developmen t, NZEB	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities,	https://www .oar- bucuresti.ro/ anunturi/20 15/06/03/a/	n/a	40 to the dedicated Workshop	Presentation , 40 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				professional associations etc.						
3. The XV-th <i>National Conference of New Renewable Energy Sources</i>	29-30.10 2015, Valahia University Tragoviste	National Conference	New Renewable Energy Sources	scientists, engineers, policy makers and other specialists working at the junction between construction, climate, building, tourism, agriculture and energy	http://cnsnr.e2015.valahia.ro/wp-content/uploads/2014/04/Program-CNSNRE-20151.pdf	n/a	40	Presentation , 40 flyers	Y	Awareness on the project and the new trainings Possible partnerships for the BKHs Support for local trainings
4. Train-to- <i>NZEB Opening National Conference in Romania</i>	13.11.2015 , Cubix Hotel Brasov	National Conference	implementat ion of NZEB in Romania and professional training needs, BKH RO sustainability	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public	http://www.comunicatedepresa.com/comunicatedepresa/se-lanseaza-proiectul-train-nzeb-building-knowledge-hubs.html	http://www.comunicatedepresa.com/comunicatedepresa/s-lansat-proiectul-train-nzeb-building-knowledge-hubs.html	70	Presentation , 70 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				authorities, professional associations etc.	http://www.train-to-nzeb.com/evenimente.html					
5. RoGBC <i>Workshop – Certification of Green Housing Projects</i>	18.11.2015 , EFdeN 4C, Facultatea de Inginerie a Instalatiilor Bucharest	Workshop	Certification of Green Housing Projects	representatives of the building industry, architects, designers, urban planners, professional associations etc.	http://rogbc.org/en/events/eventdetail/1080-/workshop-certifying-green-homes-projects-with-rogbc	n/a	30	Presentation , 30 flyers	Y	Possible partnerships for the BKHs Support for local trainings
6. MEnS H2020 <i>Project Conference</i>	17.12.2015 , Technical University in Cluj-Napoca	National Conference, Launching of the Training Course: <i>Energy Analysis Techniques and Practices Implementation of nZEBs</i>	Energy Analysis Techniques and Practices Implementation of nZEBs	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, professional	n/a	n/a	40	Presentation , 40 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs Support for local trainings

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				associations etc.						
7. CertCraft Project Final Conference	18.12.2015 , Sapientia University in Miercurea- Ciuc	National Conference	Future certification of crafts (wo)men for Lowest Energy Buildings following the Energy Efficiency Directive 2012/27/EU	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, professional associations etc.	http://asocia_tiacasapasiva.ro/?p=497	n/a	30	Presentation , 30 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs Support for local trainings
8. Agenda Constructilor Conference "Increasing Energy Efficiency – Perspectives and Opportunities"	31.03.2016	National Conference	Increasing energy efficiency in buildings	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, professional associations etc.	https://www.arenaconstruct.ro/creste_rea_eficientei_energetice_perspective_si_oportunitati/	n/a	50	Presentation , 50 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
9. The XI-th edition of the INCD URBAN- INCERC National Conference	13.05.2016 , INCD URBAN- INCERC Bucharest	National Conference & dedicated Workshop	building research, building economy, architecture, urban planning and territorial developmen t, NZEB	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	https://www.oar-bucuresti.ro/anunturi/2016/04/05/b/	n/a	30 to the dedicated Workshop	Presentation , 30 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs
10. ATREA Conference	15.07.2016 , Hotel Crowne Plaza Bucharest	Conference	technology for NZEB implementat ion, ventilation & heat recovery systems	representati ves of the building industry, architects, designers	n/a	n/a	15	Presentation , 15 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs
11. The XII-th edition of the INCD URBAN- INCERC National Conference	23.09.2016 , INCD URBAN- INCERC Iasi	National Conference & dedicated Workshop	building research, building economy, architecture, urban	representati ves of the building industry, architects, designers,	http://incd.ro/cea-de-a-xii-a-editie-a-conferinteide-	n/a	20 to the dedicated Workshop	Presentation , 20 flyers	Y	Awareness on the project and its goals

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
			planning and territorial development, NZEB	urban planners, energy auditors for buildings, public authorities, professional associations etc.	cerchetare-in-constructii-economia-constructiilor-arhitectura-urbanism-si-dezvoltare-teritoriala-si-conferinta-aniversara-a-60-de-ani-a-sucursalei-iasi-avand-c/					Possible partnerships for the BKHs
12. BKH RO Launching Workshop	10.10.2016 , INCUD URBAN-INCERC Bucharest	National Workshop	implementation of NZEB in Romania and professional training needs	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	http://comunicaonline.com/se-lanseaza-train-to-nzeb-the-building-knowledge-hub-romania-bkh-ro/ http://comunicaonline.com/s-a-lansat-building-	http://www.agendaconstuctiilor.ro/files/sustenabilitate/incd-urban-incerc-pregateste-profesionisti-pentru-constructia-de-cladiri-nzeb.html	61	Presentation , 60 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
					knowledge- hub- romania/					
13. Different City - Smart City Forum	3- 4.11.2016	International Conference and Exhibition	Innovation and new technologies	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	http://www. differentsmar tcity.com/	n/a	150	Presentation , 30 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs
14. National Conference "Quality in Constructions and in Certification of Energy Performance of Buildings. Compliance and Responsibilit	11.11.2016 , INCUD URBAN-INCERC Bucharest	National Conference & Technology and Innovative Solutions for NZEB Exhibition	Quality in Construction s and in Certification of Energy Performance of Buildings. Compliance and Responsibilit	representatives of the building industry, architects, designers, urban planners, energy auditors for	n/a	https://www. pro- nzeb.ro/nout ati-si- evenimente. html http://www. train-to- nzeb.com/ev	67	Presentation , 67 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
"and Responsibility for NZEB concept implementatio n in Romania"			y for NZEB concept implementat ion in Romania	buildings, public authorities, professional associations etc.		enimente.ht ml				
15. BKH Romania Regional Workshop in Brasov	20.01.2017 , Transilvani a University Brasov	Regional Workshop	implementation of NZEB in Romania and professional training, BKH RO network	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	https://www.eventleaf.com/Attendee/AttendeeEventPage?eld=i7pA4mvFl27k7ERjCcG5xw%3D%3D&isPreview=False	http://www.train-to-nzeb.com/enimente.html	57	Presentation , 57 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs
16. Conference "Way to nearly zero energy buildings" (opening of the CZ BKH)	02.03.2017 Prague, Czech Republic	International Conference, Official opening of the CZ Building Knowledge Hub and	Way to nearly zero energy buildings	CZ Public authorities, professionals and building industry representati ves	http://www.buildup.eu/en/events/train-nzeb-way-nearly-zero-energy-buildings-0	http://www.buildup.eu/en/news/way-nearly-zero-energy-buildings-	80	Presentation	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcement (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presentation given (Y/N)	Comments and feedback
		exhibition of efficient technical solutions and materials (awarded by quality mark V-T 2017)				train-nzeb-project-0				
17. Regional Consultation event – House of Builders Foundation	21.03.2017 Bucharest	Regional Consultation event	Correlation between the offer and the needs on the training market	Public authorities, professionals and building industry representatives, vocational training, trade unions	https://www.cmc.org.ro/index.php/evenimente/evenimente-programate/639-intalnirea-regionala-corelarea-necesitatilor-pielei-muncii-cu-perspectivel-pe-dezvoltare-ale-regiunii-bucuresti-ilfov	n/a	20	Presentation	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
<i>18. First Edition of KNAUF ACADEMY</i>	30.03.2017 Sinaia	Training for architects		Top Architect offices and Architects	Targeted to a limited list (closed)	n/a	100	Keynote presentation	Y	Awareness on the project and its goals Possible partnerships for the BKHs
<i>19. International Conference EUB-2017 "Transforming our World: the 2030 Agenda for Sustainable Development"</i>	3.04.2017, Ecological University Bucharest	International Conference	Sustainable Development including nZEB	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=w eb&cd=12&ved=2ahUKEwitvLi9g6ffAhWLgM4BHR TFDrQQFjALegQIARAB&url=http%3A%2F%2Fwww. ueb.ro%2Ffile%2F27anii_2017_Program_saptaman a_aniversara_UEB_20170403_v1.pdf&usg=AOvVaw1a5U6Tn6n5XReuZK4sheOb	n/a	>100	Keynote presentation	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcement (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presentation given (Y/N)	Comments and feedback
20. 3rd National Meeting of ABRACADABRA H2020 Project	25.04.2017 Municipality of Brasov	National meeting H2020 Project	the creation of a substantial increase of the real estate value of the existing buildings through a significant energy and architectural transformation	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	n/a	n/a	30	Slides in broader presentation	Y	Awareness on the project and its goals Possible partnerships for the BKHs
21. Workshop with PVC windows producers	26.04.2017 Moara Vlăsieie	National workshop		High performance windows producers and suppliers	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=2ahUKEwjmuvD7g6ffAhUtzoUKHVEDAZAQFjAAegQIAxAC&url=http%3A%2F%2Fwww.pptt.ro%2	n/a	40	Presentation	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
					Ffiles%2FInvi tatie_worksh op_PPTT - 26_aprilie_ 2017.pdf&us g=AOvVaw0l 31JDABMxH AYhDLrr1Gyr					
22. <i>International Passive House Conference & Exhibition</i>	28- 29.04.2017 , Munich, Germany	International Conference	Passive House for All	All stakeholders in the building industry	<a href="https://passi
vehouseconf
erence.org/f
ormer-
conferences/
2017/">https://passi vehouseconf erence.org/f ormer- conferences/ 2017/	n/a	1000	N	N	Dissemination of the project results Possible partnerships for replication of the BKHs
23. <i>International Conference Euro- Constructii, 6th Edition</i>	23.05.2017 , Bucharest	International conference	Sustainable buildings & Energy Efficiency	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional	<a href="https://www
.euroconferi
nte.ro/Progr
am-
conferinta-
EURO-
Constructii-
editia-23-
mai-
2017.html">https://www .euroconferi nte.ro/Progr am- conferinta- EURO- Constructii- editia-23- mai- 2017.html	n/a	200	Presentation , 50 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				associations etc.						
24. <i>Sustainable Development Conference at University of Ecology in Bucharest</i>	29.06.2017 , University of Ecology in Bucharest	National conference	Sustainable Development including nZEB	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	n/a	n/a	30	Presentation ,30 flyers	Y	Awareness on the project and its goals Possible partnerships for the BKHs
25. <i>progRESsHEAT H2020 Project Workshop & Training Session for decision makers</i>	6.07.2017 Brasov	National workshop Horizon 2020 project	Assisting local, regional, national and EU political leaders in developing policy and strategies to ensure a quick and efficient	representatives of the building industry, architects, designers, urban planners, energy auditors for buildings, public	n/a	n/a		Presentation , Training module	Y	Awareness on the project and its goals Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
			deployment of renewables in heating and cooling networks.	authorities, professional associations etc.						
26. <i>ABRACADABR A Project IVth National Workshop</i>	05.09.2017 , Brasov	National Workshop H2020 Project	the creation of a substantial increase of the real estate value of the existing buildings through a significant energy and architectural transformati on	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, professional associations etc.	n/a	n/a	30	Presentation	Y	Awareness on the project and its results Possible partnerships for the BKHs
27. <i>H2020 Fit- to-NZEB Project Launching Conference</i>	15.09.2017 , Bucharest	National conference H2020 project	Qualification of the workforce in the construction sector for retrofitting to nZEB level	representati ves of the building industry, architects, designers, urban planners,	https://www.eventleaf.com/Attendee/Attendee/EventPage?eId=D5SetxaV31bku4llw1us9g%3D%3D	https://www.pro-nzeb.ro/noutati-si-evenimente.html	55	Presentation , 55 flyers	Y	Awareness on the project and its results Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				energy auditors for buildings, public authorities, professional associations etc.						
28. Conference on Sustainable Energy, Workshop "Nearly Zero Energy Communities (nZEC)"	19-20.11. 2017, Brasov	International Conference & Workshop	Innovative concepts and solutions expected for the transition towards Nearly Zero Energy Communitie s	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, universities etc.	http://old.unitbv.ro/cse/Home.aspx	https://phot os.google.co m/share/AF1 QipNNWcnP kwpLlqF26ST OhmdzyGDO gwGicSWfM kiPyLZLsCQC NI4fR6DppE yNvk90A? key=NE5SR3J PaDd5aVF1d Xk0YzQ2Wn FrbG1fVVIET 2V3	50	Presentation ,50 flyers	Y	Awareness on the project and its results Possible partnerships for the BKHs
29. CA EPBD Meeting & BUS Workshop	24- 25.11.2017 Bucharest	International event	Vocational skills for energy efficient buildings	representati ves of the building industry, architects, designers,	http://www. buildup.eu/e n/news/ca- epbd- workshop- recordings-	n/a	n/a	N	N	Networking

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				urban planners, energy auditors for buildings, public authorities, universities etc.	vocational- skills-energy- efficient- buildings					
30. H2020 <i>ingREeS</i> <i>International Conference on nZEB</i>	24.01. 2018 <i>Prague, Czech Republic</i>	International conference H2020 project	enhancemen t of skills of craftsmen and on-site workers in the sectors of buildings, to middle and senior level construction professionals	representati ves of the building industry, architects, designers, urban planners, energy auditors for buildings, public authorities, universities etc.	http://www.ingrees.eu/en/events/ent/pripravonest-stavebnictvi-na-nzeb-praha-cr/	http://www.svn.cz/en/news-and-media/seminars-and-conferences-source/final-conference-of-ingrees-project-ready-for-nzeb	50	Presentation ,50 flyers, brochures	Y	Dissemination of the project results Possible partnerships for replication of the BKHs
31.ENERSELVE <i>S 5th Interregional Event organised by the North-East</i>	30.01.2018 <i>Iasi</i>	Regional event Interreg Europe project	the creation of sustainable solutions for green buildings	representati ves of local public authorities, building owners', the	https://www.interregeurope.eu/fileadmin/user_upload/tx_tevel_projects/libr	https://www.interregeurope.eu/enerselves/news/article/2580/	50	Presentation	Y	Awareness on the project and its results

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
<i>Regional Development Agency</i>			with efficient use of energy addressed through national legislation on the energy performance of buildings and how self- consumption is provided in municipal buildings	building industry, architects, designers, universities etc.	ary/file_151_7833402.pdf	romania-hosted-the-5th-ie-of-enerselves/				Possible partnerships for the BKHs
<i>32. 22nd International Passive House Conference</i>	9- 10.03.2018 , Munich, Germany	International Conference	Passive House	All stakeholders in the building industry	https://passivhaustagung.de/vorherige-tagungen/2018/	n/a	1000		N	Dissemination of the project results Possible partnerships for replication of the BKHs
<i>33. The XII National Conference of Energy Auditors for</i>	18.05.2018 , Craiova, Romania	National Conference		Energy auditors for buildings, building professionals , academic	http://aaecr.ro/conferinta-xii-a-conferinta-	n/a	100	Presentation	Y	Awareness on the project and its results

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
<i>Buildings Association</i>				representati ves, technology producers and suppliers	nationala-a-aaecr/					Possible partnerships for the BKHs
<i>34. C4E – Central & Eastern European Energy Efficiency Forum</i>	13-16.06. 2018, Serock, Poland	International Conference, practical parallel sessions, workshops, high-level plenaries, a slot for DIY sessions and plenty of social and networking opportunitie s	Energy Efficiency & Training of skills for 21st century, Getting people ready for the NZEB challenge	stakeholders from all sectors including government, business and civic sector	http://c4eforum.net/	n/a	210	Presentation , flyers, brochures	Y	Dissemination of the project results Possible partnerships for replication of the BKHs
<i>35. Regional Workshop H2020 Fit-to- NZEB Project</i>	20.06.2018 , Brasov	Regional workshop H2020 project	Qualification of the workforce in the construction sector for retrofitting to nZEB level	representati ves of the building industry, architects, designers, urban planners, energy	https://www.facebook.com/events/236706253765741/	n/a	30	30 flyers, brochures	N	Awareness on the project and its results Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				auditors for buildings, public authorities, professional associations etc.						
36. Workshop <i>BIO4ECO</i> <i>Interreg Europe Project</i> organized by ADR Centre & Green Energy Cluster	21.06.2018 , Sf. Gheorghe	National Workshop Interreg Europe Project	improve regional and national policy processes and policy implementation and delivery addressing the transition to a low carbon economy, in relation with renewable energy use, energy efficiency of building, and forest and agricultural biomass	representatives of public authorities, professional associations	n/a	n/a	30	Presentation , 30 flyers, brochures	Y	Awareness on the project and its results Possible partnerships for the BKHs

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
37. National <i>Workshop BioEnergyTrain H2020 Project organized by Green Energy Romanian Innovative Biomass Cluster</i>	08.08.2018 , Camera de Comerț și Industrie Brasov	National workshop	Training of professionals in bioresources and bioenergy	representatives of public authorities, professional associations, building industry, professionals	n/a	n/a	30	Presentation , 30 flyers, brochures	Y	Awareness on the project and its results Possible partnerships for the BKHs
38. Train-to-NZEB Final National Conference in Bucharest	18.09.2018 , BKH RO Bucharest	National Conference	Presentation of Train-to-NZEB project results, possibility for replication of BKH and ensuring its sustainability	representatives of public authorities, professional associations, building industry, professionals , building owners, architects etc.	https://www.eventleaf.com/Attendee/AttendeeEventPage?eid=aQDE2WNhDgHbHpsDUT2uWg%3D%3D https://www.facebook.com/events/310358222855747/	http://www.train-to-nzeb.com/evnenimente.html	61	Presentation , 61 flyers & brochures	Y	Awareness on the project results Possible partnerships for replication of BKH

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
39. CEI Expert Conference "Energy Efficiency in buildings – for a better tomorrow" organized by The Ministry of Construction and Physical Planning Croatia	26-27.09.2018 Zagreb	International Conference	Energy Efficiency in buildings		http://www.cei.int/events/cei-expert-conference-energy-efficiency-in-buildings-for-a-better-tomorrow	n/a	n/a	N	Y	Dissemination of the project results Possible partnerships for replication of the BKHs
40. National ETICS Forum	01.11.2018 Bucharest	National Conference	Quality of the ETICS façade insulation systems	representatives of the building industry, technology providers, architects, designers, urban planners, energy auditors for buildings, public authorities, professional	http://qetics.ro/fileadmin/user_upload/Program - rom.pdf	n/a	40	Presentation, 40 flyers, brochures	Y	Dissemination of the project results Possible partnerships for BKH RO

EVENTS (external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
				associations etc.						
41. nZEB Café & Tour - Passive House Open Days	10.11.2018 , BKH RO Bucharest	Guided tour organised within the International PH days	General presentation of the nZEB concept	Building owners, providers of building materials & systems, RES technology, students, construction companies	https://www.facebook.com/events/581889752267052/	https://www.facebook.com/BKHTrain2nZEBRomania/videos/779086432437962/	30	30 flyers	Y	Dissemination of the project results, promotion of the training courses
42. NOVEMBarh, HACKATON for Architects & Friends	24.11.2018 , Pentagon Events Bucharest	Dedicated table for nZEB	Safety and comfort in building environment	Architects, professionals , providers of building materials & systems, RES technology, students, construction companies etc.	https://www.facebook.com/events/294854044683848/	n/a	300	N	N	Networking, promoting the nZEB concept

Communication and Dissemination Strategy of BKH Czech Republic

Final Report

PROGRESS TOWARDS OBJECTIVES:

General objectives

- To attract 600 building professionals, 120 designers and 180 non-specialists to the trainings offered

Starting point: At the start of the project, the number of trained persons is not sufficient in the building sector. Mainly the construction workers are not motivated to improve their skills and qualification. There is not press in the market on increasing Numbers of highly qualified building professionals. Only the chartered engineers and energy specialists have established a life-long training.

Current situation: Although the starting point description was confirmed by the marketing research, the demand for NZEB-related training is slowly rising. The training courses have gained pace, as there are requests from all target groups; however, specific issues as cross craft, airtightness and MHVR as still largely underestimated and awareness levels are low. The financial support programmes at national level are not targeting nZEB level, which seriously hampers the demand for training on the topic. Due to the successful marketing and communication campaign, at the end of the project the success indicators (SI) are as follows: **485 building professionals, 109 designers, and 153 non-specialists.**

- To engage at least 1 additional training centre from the Czech Republic and 15 experts in the BKHs network

Starting point: There are several private organisations providing education in the field of construction engineering. However, only a very few have enough capacity to develop their activities to the potential training centre. Education in the field of energy efficiency is relatively common. It is provided mainly by the experts whose recruited form the academics. Within the project, the experts should be prepared for increasing of the participants' skills not only on the education in the class.

Current situation: The memorandum of understanding for using the BKH is concluded with the Architecture and Building Foundation. At least 15 trainers have passed the BKH train-the-trainer courses and actively conduct training sessions in the BKH.

- To increase the media coverage of the initiatives in the VET in the building sector: provide at least 15 publications in the professional press and websites and 1 publication in the general media.

Starting point: The media coverage in the VET has already started within the Build Up Skills initiative. However, mainly collaboration with the governmental sector is not sufficient in the country. Increasing of the project impact will be provided via increasing of a general awareness the building professionals and public.

Current situation: At least 10 publications in professional press, magazines and websites were achieved and the need to develop the capacity along the construction value chain is

discussed with construction professionals. Train-to-NZEB supported events, e.g. the 1st Czech NZEB conference, are covered by the professional media.

- To raise the awareness of the end users and decision makers for the most efficient building concepts, energy efficiency standards and RES solutions in buildings: 120 followers in social media / 35 social media expressions of attitude (comments/likes) / 3 citations from policy makers and/or prominent public figures.

Starting point: *The increasing the awareness goes hand in hand with the increasing of the media coverage. To convince building mainly the building professionals about the need for VAT towards nZEBs is the crucial point of the project. There will be need for a close cooperation the project partners and relevant stakeholders during the whole project duration.*

Current situation: *It was decided that social media at project level (operated by the coordinator) are sufficient, as doubling the information will distract and confuse the still limited audience. However, the main national events were supported via Facebook and Twitter of SEVEN, The total number of followers of the project on Facebook and Twitter of SEVEN is almost 500. The Facebook profile managed by SEVEN and reflecting all project-related information gather more than 140 followers.*

Specific objectives

- **To attract building professionals to the trainings offered**
- Publish 15 articles in the professional media: **23 articles published in the professional media and on their websites.**
- Involve the Czech chamber of chartered engineers and technicians engaged in construction: **involved through personal discussions and participation in trainings**; the Czech chamber of chartered engineers and technicians engaged in construction accredited training programmes and included them in their lifelong learning programme.
- Present the project in 6 external events targeted to the professional community: **presented at about 10 events**; a very successful tool to raise awareness.
- Involve at least 6 construction companies to project events and trainings: **13 construction companies were invited to the project events and trainings.**
- Cooperate with at least 3 producers and distributors of building components and materials: **at least 3** producers and distributors cooperate with the BKH. Joint events have been organized with the Architecture and Building Foundation. An exhibition with more than 5 presenters has been organized within the 1st National NZEB Conference. The most prominent supporters are Construction Council of the Czech Republic (SIA CR), Czech Chamber of Chartered Engineers and Technicians (CKAIT) and ATREA company – one from leaders in ventilation and heat recovery technologies.
- Promote the results of the workshops that will be held through the project through 6 press releases and/or own publications: 3 press releases to multiple media outlets and 3 own publications in selected external media were published. Moreover, there were presented press releases and newsletters via network of SEVEN.

- Boost peer to peer communication to share experience and expertise: attract at least 100 local building experts or decision makers to project events: **all 57 city districts of the capital city of Prague and their building offices were repeatedly addressed** but without a significant feedback.
- Expand the use of materials created within the project in relevant academic contexts: attract representatives of at least 3 universities to project event and try to establish sustainable cooperation through MoUs, peer review and exchange of training materials: **A cooperation and discussion on the meetings with the Czech Technical University in Prague, Masaryk University in Brno and Technical University of Ostrava.** Representatives of the Czech Technical University in Prague and Masaryk University in Brno have attended project events and trainings.
- **To engage additional training centres and experts in the BKHs network**
 - Engage one partner network in dissemination of project-related information: **Architecture and Building Foundation has disseminated information about the project.**
 - Launch the project website, with information on the establishment and functioning of the 3 participating regional centres: The project website is launched and operational by EnEffect. The regional website www.stavebniakademie.cz offers full information about the training offering. This website is operational by Architecture and Building Foundation. The website of SEVEn offers updated information about the project and maintains links to the training courses.
 - Regularly disseminate information in at least 2 professional groups in social media: **information is disseminated in FB profile and twitter account of SEVEn and Architecture and Building Foundation FB and web database.**
 - Participate in at least 5 conferences and networking events, presenting the benefits of joining the network: T2NZEB has been presented in **more than 10 conferences and networking events.**
- **To increase the media coverage of the initiatives in the VET in the building sector**
 - Promote the launch of the BKHs network and the services offered through at least 6 press releases and personal communication with representatives of at least 3 media: **6 general press releases and personal discussions with 3 press media (TZB-info, Facility Manager, Energie 21).**
 - Prepare media-friendly content (6 articles with high-quality texts and pictures; 1 video materials, where relevant): **8 articles prepared;** video of Czech construction mock-up models presented on the Ecomondo conference.
 - Invite at least 10 representatives of different media to the project events and follow-up the coverage: More than 70 representatives were invited, but only a few media representatives participated (TZB-info, Profipress, Energie 21, Facility Manager, Tepelná ochrana budov).

- Organize media event or press conference at the opening of the centres: **journalists from different media were participate at the opening of the centre.**
- Attract at least 3 journalists from different media to cover the activities in the BKHs on regular basis: **4 journalists/media attracted (TZB-info, Energie 21, Facility Manager, Tepelná ochrana budov).**
- **To raise the awareness of the end users**
 - Boost peer to peer communication through user-friendly informational materials: provide at least 6 articles in the website and at least 15 posts in the social media: **13 articles in SEVEN websites and 7 articles disseminated in the SEVEN website through News at SEVEN online magazine. About 50 posts in social media about the work in Czech Republic.**
 - Provide opportunities for face-to-face consultations in the new BKHs: invite at least 15 representatives of housing associations to courses and demonstrations: achieved.
 - Maintain the website of the project and link to additional resources: provide links to other projects and initiatives supporting EE & RES in buildings; exchange information with at least 1 VET provider about courses and events: **website maintained by EnEffect; links available; cooperation with VET providers ongoing.**
 - Send at least 6 press releases and publish at least 1 article in general media: 3 press releases sent to general media, and more than 1 article in general media dedicated to project-related events are achieved.
 - Conduct trainings for non-specialists: attract at least 180 non-specialists to the trainings offered: **153 non-specialists have attended training sessions.**

News at SEVEN

News at SEVEn

Energy efficiency news from the Czech Republic and EU



The development and impact of nearly zero energy buildings (nZEB)

nZEB requirements are gradually entering into force in the Czech Republic. They are based on Directive 2010/31/EU of the European Parliament and of the Council on the energy performance of buildings. At the Czech national level, some of the requirements of the European directive have been transposed by means of an amendment to Act No. 406/2000 Coll., on Energy Management, as amended. The technical part of the requirements is specified by Decree No. 78/2013 Coll., on the Energy Performance of Buildings, as amended by Decree No. 230/2015 Coll.

European Directive 2010/31/EU obliges EU Member States to establish a national nZEB definition according to their legislative conditions, customary construction procedures, technologies used, climatic conditions, etc. However, not all Member States can

offer an approved national nZEB definition. For example, in Greece, Portugal and Poland the definition is still in the preparatory phase. The current state of the national nZEB definitions is depicted below.

(continued on page 1)

offer an approved national nZEB definition. For example, in Greece, Portugal and Poland the definition is still in the preparatory phase. The current state of the national nZEB definitions is depicted below.

(continued on page 1)

Quality road lighting

Road lighting is a service for citizens and has become an intrinsic part of modern living. With the sharp development of LED technology the average electricity consumption of road lighting has been reduced and the focus – formerly on energy efficiency criteria – has moved to the quality and comfort of road lighting.

Throughout its history road lighting has undergone several transformations. One of the most recent changes arose from the general trend of reduced energy consumption and increased energy efficiency. The requirement for greater effectiveness has been observed in numerous aspects of road lighting, such as more effi-

cient optical systems for luminaires and lower power input of discharge lamps. The fast pace of LED technology development has gradually led to a significant change of luminaires designed for road lighting. Traditional manufacturers completely overhauled the ranges of products they offered and consequently, new producers and importers entered the market.

The European Commission has commenced preparatory (continued on page 8)

ISSN 1215-5884 IHE CR 15(4)

Energy services in Přeštice have significantly increased the biomass share of heat supply
Examples of projects dealing with modernisation of systems relating to heat supply
Quality assurance system for EPC projects
Digi-Label: A tool used to identify appliance operating costs
The new energy labels
New methodologies for effective marking of large fans with the EN1837 project
Innovative training programmes aimed at building renovations
Energy efficiency in Armenian communities

volume 25 number 1/16 May 2016

1/2016

NEWS at SEVEn 7

Changes in the forthcoming ecodesign of light sources

Ecodesign is a legislative tool used for certain product groups and their efficiency performance improvements, and since 2009 has also involved light sources. The ecodesign regulations pertaining to light sources were revised in 2017 and in 2019–2020 further changes and improvements in efficiency requirements are expected.

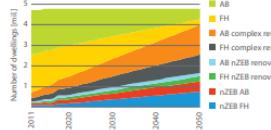


Several European regulations are responsible for the ecodesign of light sources, ballasts and luminaires. Households are best acquainted with the regulation 245/2009, which led to the gradual removal of inefficient incandescent lamps from the European market during the years 2009–2012. Regulation 245/2009 primarily regulated the sale of inefficient linear fluorescent lamps and high-intensity discharge lamps (HIDs) in the field of road lighting services. This regulation was replaced by 194/2012, which introduced more efficient light-emitting diodes (LEDs). Current European regulation in the field of light sources is fairly complex and each type of lighting requires a different way of defining efficiency and functional parameters. Often in-depth studies of the regulations are needed to fully understand this market.

The European Commission has com-

menced preparatory (continued on page 8)

Number of dwellings in the Czech Republic by 2050



Training models for nZEB

grammes are designed for vocational schools, technical universities and for all workers in the construction field. The new programmes will be included in education at technical schools as well as in vocational trainings in the context of lifelong educational programmes.

on. The training programmes strongly emphasise practical training involving work with models, using the experience of renowned Czech professionals and examples of best practices from abroad, particularly from Ireland and Austria. The project partners are, among others, four European universities, including the Czech Technical University. More information about the project can be found at www.fit-to-nzeh.com.

© Jan Veleba, jan.veleba@vut.cz

The development and impact of nZEB

(continued from page 1)

A pan-European comparison indicates that there are some countries which still have not adopted the nZEB definition as no agreement at the national level has been reached. On the other hand, approaches to the definition differ, e.g. the approach to the classification of energy performance of buildings, the so-called reference building or specific values for various building types. Some countries have given renewables share and indicator for CO₂ emissions.

A study called *Development and Impacts of nZEB Buildings: Introduction* established under the Czech Ministry of Industry's Effect programme (MPO Efekt) provides data on energy savings and by how much it is demanding for households. Thanks to nZEB, total energy savings should be from 74 up to 114 PJ per year, depending on the specific development scenario. The new nZEB buildings savings alone represent the Paris Agreement target. While savings in the non-residential sector represent another important component.

In terms of impact on the property market, no substantial change or problems regarding development should be expected. The extra costs for nZEB are marginal in terms of the overall costs and their higher purchase price will be offset by energy savings and reduced operating costs.

Moreover, the increase of energy efficiency (which usually means higher RES

share and reduced CO₂ emissions) is fairly demanding for households, but in the end brings lower operating costs. An optimal combination of the impact on energy efficiency and the amount of household expenses is given by a cost optimal level described in the study for several types of dwellings in the tertiary sector.

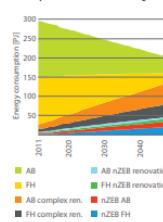
The impact of energy savings on Czech citizens is crucial. They will influence so-called large energy primary energy sources and their consumption as well as transformation processes (particularly as far as their volume and number of individual sources are concerned). Energy savings will also influence investments in new sources of heat and electricity.

© Jiří Karásek, SEVEn, jiri.karasek@vut.cz



The state of nZEB definition for new buildings in EU + Norway

Expected development of energy consumption in residential buildings



(continued on page 8)

News at SEVEn

Energy efficiency news from the Czech Republic and EU



New Training Centre for nZEB

A training centre for nearly zero energy buildings (nZEB) was ceremonially opened on March 2017 in the premises of the American Bar Foundation (ABF) at a conference held with foreign participants, who toured the centre and its unique equipment. The centre will be available to all training course participants.

Opening conference
EU Member States have committed to building only nZEB from 2021 onwards. This has had a major influence on the construction industry and people working in the sector, who need to acquire new knowledge

and skills. The increase in the number of nZEB and their share in the building fund should improve energy efficiency while reducing the impact of buildings on the environment.

(continued on page 8)

Sheep Wool Building Insulation
Energy Poor Households
How to Choose an Energy Efficient Household Appliance?
Checking on Energy Efficiency of Transports & Fans
Number of Energy Performance projects increasing in the Czech Republic
Information on Energy Efficiency of Products Available in Shops
Frequently Asked Questions about the Alleged Health Related Issues
Impacts of the New Public Procurement
Action on the EPC Projects
Livestock Farming contributes more than 14% to Global Greenhouse Gas Emissions
An Extensive Database of EU Countries Housing Fund

volume 24 number 1/17 June 2017

1/2017

NEWS at SEVEn 9

New Training Centre for nZEB

(continued from page 1)

Renowned Czech and foreign experts were invited to the conference entitled The Way Forward: Nearly Zero Energy Buildings to present their ideas about nZEB. Petr Kaláš, the vice-president of the Czech Business Council for Sustainable Development, had a presentation on the influence of energy performance of buildings on the environment and also talked about the strategy of CEEB and its role in the negotiations with the conclusions made at the Paris conference. The chairman of the ABF, Jan Fibiger, highlighted a programme called Building Industry 4.0 and its involvement in the Fourth Industrial Revolution, which also includes use of innovative technologies in the building industry.

Horia Petrescu, a Romanian guest and expert from URBAN INCERC, discussed nZEB development in Romania, the national calculation of cost optimum, and presented centres in Bucharest and Brașov. Camille Stifteren, an education expert from the Passivhaus Institut in Germany, spoke about five principles of passive houses. "The concept of a nearly zero energy building can be understood as a passive house with installed renewable energy sources," she said.

Jiří Karásek, a representative of SEVEn, introduced the plans and goals of the training centre as well as other activities of the Train-to-nZEB project in the Czech Republic.

The training centre is equipped with four units, detail models of building structures, representing construction details (from the bottom to the roof) carried out in high energy standard. The structure and materials used are very progressive and indicate the future direction of modern construction.

Other equipment includes an air conditioner with variable frequency inverter test, two multi-purpose infrared cameras and a CO₂ temperature and humidity logger.

The training centre will serve as a venue for the practical part of educational courses complementing the theoretical preparation.

In order to achieve real energy savings, the knowledge and skills of construction workers have to improve," Karásek said.

František Dukáč from the Slovak company VialEunropa presented nZEB as a significant business opportunity and explained the economic potential of nZEB for the building sector. The Chairman of the Board of Directors of SEVEn, Tomáš Matoušek, also presented on the topic of nZEB as well as national definition of nZEB and explained the cost optimum principles. "Nearly zero energy buildings correspond to the cost optimum in the Czech Republic," he said.

Training centre

The training centre focusing on energy efficiency, has established a training centre in Prague designed for seminars, excursions and training courses. The centre is located on Wenceslas Square in the premises of the ABF and is part of an international network developed under the European project Train-to-nZEB.

The training centre is equipped with four units, detail models of building structures, representing construction details (from the bottom to the roof) carried out in high energy standard. The structure and materials used are very progressive and indicate the future direction of modern construction.

Other equipment includes an air conditioner with variable frequency inverter test, two multi-purpose infrared cameras and a CO₂ temperature and humidity logger.

The training centre will serve as a venue for the practical part of educational courses complementing the theoretical preparation.



Course participants will broaden their theoretical knowledge as well as practical skills. The courses started in April 2017.

For more information about the project and programme go to:

• www.train-to-nzeh.com and www.buildup.eu/nzeh/skills/about-build-skills

© Jiří Karásek, SEVEn, jiri.karasek@vut.cz

European Regulation of Refrigerants for Commercial Refrigerators

The European project ProCold promotes energy efficient commercial refrigerating appliances as well as products dealing solely with climate-friendly refrigerants. EU Member States have committed themselves to a gradual regulation of substances essential for cooling. From 2022 onwards, climate-friendly refrigerants with low global warming potential will be available for use.

Twenty years ago almost all countries in the world committed themselves to restrict the use of ozone depletion substances. By virtue of its scope and (continued on page 8)



ISSN 1215-5884 IHE CR 15(4)

News at SEVEN

Energy efficiency news from the Czech Republic and EU

Green Savings 2009–2012: Results and conclusions

Under the Kyoto Protocol for the period of 2008–2012, the Czech Republic achieved an assumed emissions surplus of about 150 million tons of CO₂, eq. (resp. AAU). Assigned Amount Units). About 100 million AAU units could be traded under the international emission trading mechanism. The main goal of the Green Savings Programme (financed from the revenues of the Czech Republic for this emission surplus) was to support selected energy efficiency measures implemented in residential buildings. These measures will lead to an immediate reduction of CO₂ emissions and will kick-start a long-term trend of sustainable construction. The State Environmental Fund of the Czech Republic has been entrusted with the management of the Green Savings Programme. The article provides information about the outcome of verification of CO₂ reduction for the Annual Report of the programme Green Savings in 2013.



Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

The number of European Code of Conduct for EPC signatories is growing

Energy Performance Contracting (EPC) is an energy service that allows clients to save energy without capital costs as the investments are repaid directly from the saved energy costs. There is great potential for EPC projects in the EU, but most of it is not utilized. The European Code of Conduct for Energy Performance Contracting (the „Code“) is a set of values and principles that are considered fundamental for the successful, professional and transparent implementation of EPC projects in Europe.

Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

as. The calculations of CO₂ reduction were provided by the State Environmental Fund of the Czech Republic (SEF), according to a validated calculation method devised for the calculation of CO₂ reduction under the Green Savings Programme.

The publication and other outputs of the project are available on the project website:



www.combin-es.eu

Jan Šenekýnka, jan.senekynka@en.cz

© CombinES

Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

Education towards nZEB is back on track
Explosive development of LED lamps,
The end of mercury vapour lamps
Preparing rules for the Operational
Programme – Environment and EPC
EC proposes revisions to energy labels
The Code is supported by the EC
Setting out a certification system
against ESOS in the Czech Republic
Half of projects do not have the correct
energy label
640 hours of watching TV:
The results of the CompliantTV project
Directive on Energy Efficiency:
An alternative scheme across Europe

New publication:
*Deep Renovation of
Buildings – Subsidies
for enveloping
combined with Energy
Performance Contracting (EPC)*

The new publication contains practical guidelines for implementing projects combining subsidies measures regarding the thermal insulation of building envelope with technological measures carried out through the EPC method. Successfully implemented projects in the Czech Republic have proven that this combination bears a high potential for investors and can bring considerable energy and costs savings.

CombinES

A more detailed description of the project implementation is also available in the final report of the European project CombinES co-financed from ERDF sources. The main goal of the project was to deliver a solution for energy efficient buildings, which is suitable for energy efficient programmes. As the EPC method is generally suitable for financing energy efficiency measures with short and middle payback periods, additional financing from subsidy schemes will also enable measures with a longer rate of return to be financed. This will result in support for a significantly higher number of projects related to energy efficiency from financial and public resources.

The publication and other outputs of the project are available on the project website:



www.combin-es.eu

Jan Šenekýnka, jan.senekynka@en.cz

© CombinES

Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

Verification of CO₂ reduction was carried out under this programme. CO₂ reduction has been achieved by implementing the Green Savings Programme based upon the application registered, approved and paid until 31 December 2013 across assisted areas.

volume 22 number 1/15 August 2015



Photo: Wissmann, Universität Stuttgart, Germany

1/2015

Education towards nZEB is back on track

The abbreviation nZEB stands for nearly Zero Energy Building. A lot has been written about this kind of building, but far more attention should be given to their actual implementation and quality. Many of these buildings remain only on paper. The article describes activities which are currently being devised to improve the construction of low energy buildings.

Barriers to nZEB

Unfortunately, there are still barriers to the practical implementation of high-quality and functional nZEB buildings. The most serious barrier is the lack of a unified system of construction standards as the relevant government has been divided between several ministries. Other barriers to practical nZEB implementation include poor coordination of construction works, low quality construction management, insufficient quality control (quality of work and output), lack of expertise for managing operation and management and inadequate interdisciplinary education and training.

To remove these barriers, it is desirable to establish education and training centres, a suitable structure of education programmes or long-term training programmes for on-site workers, and for professionals and the general public. Another aim is to improve the activities of the National Qualification Platform (NQPl), whose aim is to unify organisations involved in education and training of site workers.

nZEB buildings clearly have a professional nature on energy consumption. What should these buildings look like? How do they work and how are they built? How can high quality be achieved at construction sites?

A pair of start-up projects, ingR-Es and Train-to-nZEB, aim to answer these questions. Both projects want to raise awareness, disseminate knowledge and teach various target groups about nZEB construction.

ingR-Es

The ingR-Es project, whose participants are the Czech Republic, Slovakia and Austria, was initiated in February 2013 and is a follow-up to the BUILD UP Skills project. Its main goal is to develop five education and training programmes for professionals and engineers, providing a permanent network of training providers and developing training programmes developed under the project. It also aims to propose financing for measures that increase the motivation of professionals to participate in education and training programmes.

Train-to-nZEB

The Train-to-nZEB project was launched in June 2013 and brings together professional organisations from Bulgaria, Romania, the

Czech Republic, Turkey, Ireland, Germany and Ukraine. The target is to create a functioning network of training and consultation centres to provide training courses and comprehensive consultation services for on-site workers, professionals and qualified individuals who focus on implementing nZEB. In addition, new programmes are being planned for a larger professional audience, such as officers, managers, NGOs, consumer groups and the media, with a focus on improving knowledge and increasing the quality of nZEB buildings. The Building Knowledge Hub (BKH) will establish a group of professionals concerned with the implementation of quality nZEB projects.

Pursuant to the legislation since 2020 all newly constructed buildings should be built according to nZEB standards. Therefore, education and training and the professional skills of construction workers is highly desirable. Four newly established training centres in Europe will provide various training courses and about 3,690 people should attend these courses and improve their professional skills and qualifications. All this will contribute to the project implementation of nZEB buildings.

Jiří Karásek and Jan Veleba, jiri.karasek@en.cz

FACILITY MANAGER

FACILITY MANAGER

HOME AKTUALITY PŘEDPLATNÉ ČASOPISU ARCHIV INZICE KONTAKT

Jste připraveni na nZEB?

Hlavní stránka » Akce » Jste připraveni na nZEB?

Evropská směrnice 2010/31/EU o energetické náročnosti budov ukládá povinnost od roku 2021 stavět pouze budovy s téměř nulovou spotřebou energie (nearly Zero Energy Buildings, nZEB). Nařízení se netíká pouze nových budov, ale i renovací těch stávajících.

Vzniká tak potřeba vzdílat nové stavební odborníků, především v oblastech udržitelného rozvoje, výstavby, obnovitelných zdrojů energie, křížení řemesel (mezioborových dovedností) a BIM (Building Information Modeling).

Evropské programy pro získání kvalifikace

Vzdělávací a přípravná odborníků v oblasti nZEB se zabývá několik mezinárodních projektů. Jedním z nich je projekt Train-to-nZEB. Jeho cílem je výbudovali skolických centrum v pěti evropských státech a vytvoření sítě expertů a školitelů, kteří již dnes sdílejí své zkušenosti a nove informace z oboru prostřednictvím seminářů a odborných konzultací. V ČR je cílem pomocí nových i převážných vzdělávacích programů v kombinaci s praktickou výukou na modelech stavebních konstrukcí využít kvalifikaci minimálně 600 pracovníků na stavbách, 120 projektantů, architektů a facility managerů a 180 dalších účastníků kurzu z rad síři veřejnosti. Oddobně cíle jsou stanoveny i pro centra v ostatních partnerských státech.

Znalosti podle evropských standardů

Projekt Train-to-nZEB přináší do systému celoživotního vzdělávání v oblasti stavebnictví inovativní přístup a kvalifikativní změnu, jejíž přínosem je zvýšení efektivity a účasti na vzdělávacích aktivitách. V rámci vzdělávacích aktivit se potkávají profesní organizace a svazy, sdružujíci člověky skupiny za účelem využívání systémů dalšího vzdělávání nejen pro odborníky ve stavebnictví. Absolventi vzdělávacích programů budou disponovat dovednostmi a znalostmi odpovídajícími evropským standardům a požadavkům. Všem účastníkům kurzu, kteří upřímně absolvují závěrečnou zkoušku, bude udělen certifikát osvědčující jejich irovné teoretické znalosti i praktických dovedností. Účastníci vzdělávacích a skolických kurzů se stanou kvalifikovanými odborníky v oblasti provádění budov s téměř nulovou spotřebou energie, energetické efektivnosti a využívání obnovitelných zdrojů energie.

Kvalitu odbornů vzdělávacích a školických programů zajistí synergie týmu všech partnerů projektu, podílejících se na jejich přípravě. Know-how předních českých, ruských a německých expertů z praxe a také z akademické obce, podporované a obhájené poznatky, osvědčenými postupy a odbornou naplní vzdělávání, se stane odbornou bází pro vytvoření vzdělávacích materiálů, určených nejen pro odborníky ve stavebnictví, ale i pro mnoho dalších dotčených profesi.

Více o projektu na www.train-to-nzeb.com.

Jan Veleba, konzultant společnosti SEVEN, o.p.s.

jan.veleba@svn.cz



TEPELNÁ OCHRANA BUDOV

PROVÁDĚNÍ A JAKOST STAVEB • PROVOZ BUDOV

Budovy s téměř nulovou spotřebou energie a nákladové optimum

Nearly Zero Energy Buildings and Cost optimum

Jan Veleba, Jiří Karásek, Ladislav Kaločai, SEVEN, The Energy Efficiency Center, Praha

Klíčová slova:

nákladové optimum
optimalni úrovní
budovy s téměř nulovou spotřebou
energie
národní budovy

Key words:

cost-optimal
level needed
Zero Energy
Buildings
energy
performance
buildings

Recenty:

Jan Antonín

Cíle a zadání budov s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

1 Úvod

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

2 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

3 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

4 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

5 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

6 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

7 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

8 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

9 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

10 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

11 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

12 Budovy s téměř nulovou spotřebou energie

Pro výrobu a provoz budov s téměř nulovou spotřebou energie je nutné, aby byly budovy s téměř nulovou spotřebou energie (nZEB) a nákladové optimum. Definice nZEB vychází z evropské a národní legislativy, by stanoven model pro provozování nařízení na vystavu a provoz nZEB. Potřebné národně energetické vystavy na trhu v České republice a příslušné normy.

The definition of nZEB comes from the European and national legislation. A model was established to compare the costs of construction and operation of nZEB. The share of the new low-energy construction market is approximately 4% per annum in the Czech Republic [1].

Roll ups

Vice o projektu na www.train-to-nzef.com.

Jan Veleba, konzultant společnosti SEVEN, o.p.s.

jan.veleba@svn.cz


Train-to-NZEB
The Building Knowledge Hubs



Znáte již nZEB – nearly Zero Energy Buildings ?



Víte o povinnosti stavět od roku 2020 pouze budovy s téměř nulovou spotřebou energie ?

Zvýšte si konkurenční schopnost a zlepšete si u nás své odborné znalosti a dovednosti v oblasti nZEB.

Nedělejte na tom, zda jste stavební inženýr, projektant, stavební dělník nebo si jen chcete postavit nový dům s téměř nulovou spotřebou energie – k dispozici jsou rady, konzultace a soutěž.

Stahte se s námi odborníky na budovy s téměř nulovou spotřebou energie.

S nadání aktuálními biologickými programy a materiály od evropských odborníků na výstavbu, se naučte rozumět budovám s téměř nulovou spotřebou energie. S novouzností budete mít jednoduše na dosah správná rozhodnutí a úspěšné projekty. Zajistíme i poradenský pro Váš vlastní projekt, pomůžeme Vám a nejlépe poradme.

Kurzy projektu Train-to-NZEB jsou určeny pro:

- pracovníky na stavebách,
- projektanti a architektů,
- stavební inženýry,
- energetické speciality,
- řidiče vozidel, cestovníky, měst,

Co Vám mohou kurzy nabídnout?

- Zvýšení odborné kvalifikace a teoretických znalostí
- Zlepšení praktických dovedností pomocí názorných ukázek
- Cvičení na vyučovacích modelech stavebních konstrukcí
- Certifikát za úspěšné absolvování kurzu
- Sertifikát s odbornou v oblasti nZEB a výhlednou zkušenosí

Aktuální nabídka kurzů: www.stavobnikademie.cz

Podívejte se a přesvědčte se na: www.train-to-nzеб.com

Koordinátor: ENERTECA
Partneři: ABF, SEVENY, ČVUT, FME, VUT, BUT, STU, SAVY, EU

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 800025



Mezinárodní síť školicích center

Jaké jsou cíle školicích center?

Cílem je zlepšit znalosti a dovednosti vzdělání s sektorem a poskytovat praktické skolení, úkoly a praktické konzultativní služby pro různé typy profesionálů budoucích výbavou využívajícími významného evropského odborníky.

Mezinárodní síť

Vzdělávací centra formují mezinárodní síť poskytující školení vyučující z různých evropských institucí a akademických organizací v rámci vývoje nových programů. Stojí tak pokračující příručkou pro vývoj, aktualizaci a vylepšení stávajících programů. Moderní vzdělávací kurz je určen umělce vět kromě teorijských programů i praktického vývoje, který lze k dispozici v zúčastněných zemích.

Okamžik projektu zahrnuje náhled a výbavení čtyř základních školicích center (v České republice, Bulharsku, Rumunsku a Turecku) a jednoho pilotního centra na Ukrajině. Součástí projektu je i adaptace stávajících a rozvoj nových osnov pro školní kurzy stavebních odborníků. Výsledkem školení je certifikace celkového školství, 2400 pracovníků na stavbách, 480 projektantů a 720 účastníků žadatelství (jednotliví představitelé veřejné správy, občasní manželé, státní úředníci, spotřebitelské skupiny, média, atd.).

Předpokládá se zvýšení zájmu a počtu návštěv na realizaci budov s téměř nulovou spotřebou energie, podporované obnovitelnými zdroji energie, díky školení v kombinaci s poskytováním konzultativních služeb založených na principu „one-stop“.

Cílem je vzdělat v ČR:

- 600 pracovníků na stavebách
- 120 projektantů a architektů
- 100 účastníků z řad žáků veřejnosti

Koordinátor: ENERTECA
Partneři: ABF, SEVENY
www.bvi.cz

Další informace na projektovém webu: www.train-to-nzеб.com

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 800025

Training promotion in media



Za úspěšné absolvování kurzu je udělováno
osvědčení mezinárodního projektu.



Train-to-NZEB

The Building Knowledge Hubs

www.train-to-nzeb.com

Zveme Vás na

Kurzy

Train-to-NZEB

Víte o povinnosti stavět od roku
2020 pouze budovy s téměř
nulovou spotřebou energie ?

Budovy s téměř nulovou spotřebou energie (nZEB)

Vzdělávací kurzy projektu Train-to-NZEB jsou určeny pro:

- pracovníky na stavbách, stavbyvedoucí, dozory,
- projektanty a architekty, stavební inženýry,
- širší veřejnost, úředníky, média, manažery, ...

Aktuální nabídka kurzů: www.stavebniakademie.cz

Kurzy jsou zařazeny do projektu celoživotního vzdělávání ČKAIT a jsou ohodnoceny 1 kreditním bodem.

SEVEN

www.svn.cz

EnEffect

www.eneffect.bg



ČESKÁ
STAVEBNÍ
AKADEMIE
PRAHA

Facebook

SEVEN, The Energy Efficiency Center ...
Zveřejněno Janem Velebou [?] · 8. listopadu 2018 ·

SPECIÁLNÍ ŠKOLENÍ NA VZDUCHOTĚSNOST BUDOV A BLOWER DOOR TEST

Koncem října se v rámci mezinárodního projektu Train-to-nZEB uskutečnilo speciální školení věnované vzduchotěsnosti budov a jejího testování. Kromě nezbytné základní teoretické přípravy a obrazové prezentace dobrých řešení, ale naopak i odstrašujících případů z praxe, byla součástí školení zejména názorná ukázka měření vzduchotěsnosti. Měření vzduchotěsnosti se provádí takzvaným Blower door testem, který spočívá ve ... Zobrazit více



SEVEN, The Energy Efficiency Center ...
Zveřejněno Janem Velebou [?] · 26. října 2018 ·

Kurz: Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB)

Víte o povinnosti stavět od roku 2020 pouze budovy s téměř nulovou spotřebou energie?

Kurz je zaměřen především na správný návrh technologií a projektování stavebních detailů a konstrukcí budov s téměř nulovou spotřebou energie (nZEB). Kurz se skládá ze tří částí, které tvoří teoretická výuka, praktické cvičení a dobrovolné samostudium s pomocí vytvořených studijních materiálů. Ku... Zobrazit více



Annex 1: Monitoring communication and dissemination activities

EVENTS (organized by the project or external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
1. Education towards to nZEB (1st National meeting)	2016-01-14	Workshop	Education towards to nZEB	All groups	http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2015/pozv%C3%A1nka-na-semin%C3%A1%C5%99-vzd%C4%9B%C3%A1v%C3%A1n%C3%A1n%C3%A1AD-sm%C4%9Brém-k-budov%C3%A1m-s-t%C3%A9%C9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb	http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/vzd%C4%9B%C3%A1v%C3%A1n%C3%A1n%C3%A1AD-sm%C4%9Brém-k-budov%C3%A1m-s-t%C3%A9%C9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb	25	n/a	Y	Positive

2. CESB16 <i>Special section: Education towards nZEB (2nd National meeting)</i>	2016-06-22	Workshop	Education towards nZEB	All groups	http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/vzd%C4%9B%C3%A1v%C3%A1n%C3%A1n%C3%A1m-s-t%C3%A9m-%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb1	n/a	16 at the parallel session, total of 250	Presentation 250 Flyer	Y	Positive
3. Attractiveness and use of financial instruments in the Czech Republic	2016-09-22	Conference	Energy efficiency and use of financial instruments	All groups	n/a	https://www.interregeurope.eu/fileadmin/user_upload/tx_tev/projects/library/Publishable%20dossier%20IE2.pdf	50	Presentation 30 Flyer	Y	Positive

<i>4. Train the trainers in Ostrava</i>	2016-10-05	Training	Education towards nZEB	Trainers, universities, construction professionals	n/a	n/a	12	Presentation	Y	Positive, resulting in further cooperation
<i>5. Train the trainers in Vysoke Myto</i>	2016-10-18	Training	Education towards nZEB	Trainers, professional high schools, construction professionals	n/a	http://www.svn.cz/cs/no/vinky-a-media/seminare-a-konference-zdroje/2016/skoleni-skolitelu-ve-vysokem-myte	20	Presentation	Y	Positive, resulting in further cooperation
<i>6. Train the trainers in Prague</i>	2016-10-19	Training	Education towards nZEB	University, trainers, VET providers	http://www.svn.cz/assets/files/seminare_a_konference/2016/T2NZEB-TTT-meeting-PRAHA---Program-V3.pdf	http://www.svn.cz/cs/no/vinky-a-media/seminare-a-konference-zdroje/2016/m%C3%ADnk-train-the-trainers-v-praze	13	Presentation	Y	Positive, resulting in further cooperation
<i>7. StavEdu Energy efficiency in building</i>	2016-12-01	Conference	Energy efficiency in building, building renovation	All groups	n/a	n/a	30	Presentation	Y	Positive, resulting in further cooperation
<i>8. Czech Chamber of Chartered</i>	2016-12-16	Workshop	Energy efficiency in building	Construction professionals	n/a	n/a	27	Presentation 20 Flyer	Y	Positive, resulting in

<i>Engineers and Technicians meeting</i>										further cooperation
<i>9. BKH Opening conference: Way to nearly zero energy buildings (3rd Nation meeting)</i>	2017-03-02	Conference	Education towards nZEB	All groups	http://www.stavebnikademie.cz/couse/1593.html	http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/cesta-k-budov%C3%A1t%C3%A9m-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie	71	Presentation 40 Flyer	Y	Positive, resulting in further cooperation
<i>10. The Technology Centre of the Czech Academy of Sciences</i>	2017-04-19	Workshop	Energy efficiency in building	Public authorities, NGOs, energy experts university, trainers, VET providers	n/a	n/a	20	Presentation 10 Flyer	Y	Positive
<i>11. How to achieve quality projects outputs in horizon 2020?</i>	2017-05-18	Workshop	Energy efficiency in building	Public authorities, NGOs, energy experts university,	n/a	n/a	20	Presentation 10 Flyer	Y	Positive

				trainers, VET providers						
12. <i>Renovation of the building stock and public buildings</i>	2017-11-21	Conference	Energy efficiency in building, building renovation	All groups	removed	https://stavba.tzb-info.cz/regenerace-domu/122102-regenerace-bytoveho-fondu-a-verejnych-budov-v-hradci-kralove-iz-potrinacte	150	Presentation 30 Flyer	Y	Neutral
13. <i>Energy efficient household 2018</i>	2018-03-08	Workshop	Energy efficiency in building	Energy experts, public authorities, NGOs	removed	http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/semin%C3%A1%C5%99-poradensk%C3%A9-centrum-k-efektivn%C3%A9mu-vyu%C5%BE%C3%AD%ADv%C3%A1n%C3%A9-AD-energie	20	Presentation 10 Flyer	Y	Positive

<i>14. Key changes in facility management 2018</i>	2018-05-22	Conference	Energy efficiency in building, facility management	Energy experts, public authorities, NGOs	removed	n/a	60	Presentation 20 Flyer	Y	Positive
<i>15. C4E Forum</i>	2018-06-14	Seminar	Capacity building needs for NZEB	Manufacturers, public authorities, NGOs	http://c4eforum.net/	http://www.train-to-nzeb.com/events.html	20 at the parallel session, total of 200	Presentation 50 Flyer	y	Largely positive, a number with partnerships initiated
<i>16. Workshop meeting</i>	2018-11-13	Workshop	Energy efficiency and Energy efficiency policies	Policy makers	n/a	n/a	15	Presentation 10 Flyer	Y	Positive
<i>17. Energy efficiency policies toward 2030 - opportunities and challenges for Central Europe (4th National meeting)</i>	2018-10-26	Conference	Energy efficiency and Energy efficiency policies	All groups	http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/energy-efficiency-policies-toward-2030-opportunities-and-challenges-for-central-europe	http://www.svn.cz/cs/novinky-a-media/novinky/2018/mezin%C3%A1rodn%C3%AD-konference-o-energetick%C3%A9-%C3%BA%C4%8Dinností-a-výhl%C3%ADk%C3%ADk-h-k-roku-2030	55	Presentation 30 Flyer	Y	Positive, demand for future training courses

SI: More than 12 events; more than 150 different participants, all target groups covered, 400 copies of information materials distributed

Professional journals

News at SEVEN 1/18 May 2018 *The development and impact of nearly zero energy buildings (nZEB)*

http://www.svn.cz/assets/files/zpravy_ze_seven/2018/SEVEN_News EN 1 2018 24 5 v2.pdf

News at SEVEN 1/18 May 2018 *Innovative training programmes aimed at building renovations*

http://www.svn.cz/assets/files/zpravy_ze_seven/2018/SEVEN_News EN 1 2018 24 5 v2.pdf

News at SEVEN 1/17 May 2017 *New Training Centre for nZEB (Train-to-NZEB)*

http://www.svn.cz/assets/files/zpravy_ze_seven/2017/Newsy-1-2017-EN-final.pdf

FACILITY MANAGER 1/2017 *Jste připraveni na nZEB? - Jan Veleba, SEVEN, The Energy Efficiency Center, Praha* <http://www.facilitymanager.cz/akce/jste-pripraveni-na-nzeb/>

TEPELNÁ OCHRANA BUDOV 6/2016 *Nearly Zero Energy Buildings and Cost optimum - Jan Veleba, Jiří Karásek, Ladislav Kaločai, SEVEN, The Energy Efficiency Center, Praha*

<http://www.ice-ckait.cz/2016/tob-6-2016en>

News at SEVEN 1/16 May 2016 *Education towards nZEB*

http://www.svn.cz/assets/files/zpravy_ze_seven/2016/Noviny_EN_1_2016.pdf

News at SEVEN 1/15 August 2015 *Education towards nZEB is back on track (ingREeS, Train-to-NZEB)* http://www.svn.cz/assets/files/zpravy_ze_seven/2015/News_at_SEVEN_2015.pdf

FACILITY MANAGER 5/2015 *Vzdělávání směrem k nZEB znovu ožívá - Jiří Karásek, SEVEN, The Energy Efficiency Center, Praha*

https://issuu.com/wpremiumevent/docs/fm_7_2015_vnitrek_komplet/18

News at SEVEN 1/13 June 2013 *System changes in the building industry aimed at net-zero-energy buildings (BuildUp Skills)*

http://www.svn.cz/assets/files/zpravy_ze_seven/2013/News_at_SEVEN_01_2013.pdf

News at SEVEN 2/12 October 2012 *Will nearly zero energy buildings be constructed in a good quality? (BuildUp Skills)* http://www.svn.cz/assets/files/zpravy_ze_seven/2012/News-at-SEVEN-2012-02.pdf

Articles on SEVEN website

17.12.2018 *Mezinárodní konference o energetické účinnosti a výhledkách k roku 2030*

<http://www.svn.cz/cs/novinky-a-media/novinky/2018/mezin%C3%A1rodn%C3%AD-konference-o-energetick%C3%A9-%C3%BA%C4%8Dinnosti-a-vyh%C3%ADdk%C3%A1ch-k-roku-2030>

08.11.2018 *Speciální školení na vzduchotěsnost budov a Blower door test*

<http://www.svn.cz/cs/novinky-a-media/novinky/2018/speci%C3%A1ln%C3%AD-%C5%A1kolen%C3%AD-na-vzduchot%C4%9Bsnost-budov-a-blower-door-test>

17.10.2018 *Mezinárodní projekt na podporu odborného vzdělávání se blíží k cíli*

<http://www.svn.cz/cs/novinky-a-media/novinky/2018/mezin%C3%A1rodn%C3%AD-projekt-na-podporu-odborn%C3%A9ho-vzd%C4%9Bl%C3%A1v%C3%A1n%C3%A1-se-bl%C3%AD%C3%A1%C3%AD>

01.10.2018 *Poslední školicí kurzy na budovy s téměř nulovou spotřebou energie (nZEB)*

<http://www.svn.cz/cs/novinky-a-media/novinky/2018/posledn%C3%AD-%C5%A1kolic%C3%AD-kurzy-na-budovy-s-t%C3%A9m%C4%9Brem-nulovou-spot%C5%99ebou-energie-nzeb>

12.09.2018 *Efektivní domy +* <http://www.svn.cz/cs/novinky-a-media/novinky/2018/efektivn%C3%AD-domy>

22.06.2018 Nejlepší sekce na C4E Forum <http://www.svn.cz/cs/novinky-a-media/novinky/2018/nejlep%C5%A1%C3%AD-sekce-na-c4e-forum>

19.02.2018 Školicí kurzy na budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/novinky/2018/%C5%A1kolic%C3%AD-kurzy-na-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

25.07.2018 75% of EU buildings are insufficient <http://www.svn.cz/en/news-and-media/news/2017/75-percent-of-eu-buildings-are-insufficient>

19.05.2017 Nearly Zero Energy Buildings and Cost optimum <http://www.svn.cz/en/news-and-media/news/2017/nearly-zero-energy-buildings-and-cost-optimum>

25.01.2017 Jste připraveni na nZEB? <http://www.svn.cz/cs/novinky-a-media/novinky/2017/jste-p%C5%99ipraveni-na-nzeb>

27.09.2018 Poptávka na výrobu demonstračních modelů stavebních konstrukcí <http://www.svn.cz/cs/novinky-a-media/novinky/2016/popt%C3%A1vka-na-v%C3%BDrobu-demonstra%C4%8Dn%C3%ADch-model%C5%AF-stavebn%C3%ADch-konstrukc%C3%AD>

26.07.2016 Project partners meeting Train-to-nZEB <http://www.svn.cz/en/news-and-media/news/2016/project-partners-meeting-train-to-nzeb>

07.11.2015 Education towards nZEB is back on track <http://www.svn.cz/en/news-and-media/news/2015/education-towards-nzeb-is-back-on-track>

Promotion of Train-to-NZEB conferences and training courses on SEVEN website

26.11.2018 Energy efficiency policies toward 2030 - opportunities and challenges for Central Europe <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/energy-efficiency-policies-toward-2030-opportunities-and-challenges-for-central-europe>

05.11.2018 Kurz: Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-projektov%C3%A1n%C3%AD-budov-a-n%C3%A1vrh-technologi%C3%AD-pro-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb3>

26.10.2018 Kurz: Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-prov%C3%A1d%C4%9Bní-v%C3%BDstavba-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb4>

25.10.2018 Odborné školení: Vzduchotěsnost budov a blower door test <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/odborn%C3%A9-%C5%A1kolen%C3%AD-vzduchot%C4%9Bsnost-budov-a-blower-door-test>

20.06.2018 Kurz: Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-prov%C3%A1d%C4%9Bní-v%C3%BDstavba-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb3>

31.05.2018 Kurz: Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-projektov%C3%A1n%C3%AD-budov-a-n%C3%A1vrh-technologi%C3%AD-pro-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb2>

17.05.2018 Kurz: Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-prov%C3%A1d%C4%9Bní-v%C3%BDstavba-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb2>

03.05.2018 Kurz: Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-projektov%C3%A1n%C3%AD-budov-a-n%C3%A1vrh-technologi%C3%AD-pro-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb1>

24.04.2018 Kurz: Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-prov%C3%A1dn%C3%AD-%C4%9Bn%C3%AD-AD-a-v%C3%BDstavba-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb1>

10.04.2018 Kurz: Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-projektov%C3%A1n%C3%AD-%C3%A1d%C3%AD-budov-a-n%C3%A1vrh-technologi%C3%AD-pro-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

05.04.2018 Kurz: Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/kurz-prov%C3%A1dn%C3%AD-%C4%9Bn%C3%AD-AD-a-v%C3%BDstavba-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

08.03.2018 Seminář „Poradenské centrum k efektivnímu využívání energie“ <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/semin%C3%A1%C5%99-poradensk%C3%A9-efektivn%C3%AD-mu-vyu%C5%BE%C3%AD-%C3%ADv%C3%A1n%C3%AD-%C3%AD-energie>

24.01.2018 Konference: Připravenost stavebnictví na nZEB <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2018/konference-p%C5%99ipravenost-stavebnictv%C3%AD-na-nzeb>

06.10.2017 Praha: Udržitelný rozvoj výstavby, správa a užívání budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/praha-udr%C5%BEiteln%C3%BD-rozvoj-v%C3%BDstavby-spr%C3%A1va-u%C5%BEiteln%C3%BD-%C3%ADv%C3%A1n%C3%AD-%C3%AD-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

21.09.2017 Praha: Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/praha-projektov%C3%A1n%C3%AD-%C3%A1d%C3%AD-budov-a-n%C3%A1vrh-technologi%C3%AD-pro-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

07.09.2017 Praha: Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/praha-prov%C3%A1dn%C3%AD-%C4%9Bn%C3%AD-AD-a-v%C3%BDstavba-budov-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

04.05.2017 Praha - Udržitelný rozvoj výstavby, správa a užívání budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/praha-udr%C5%BEiteln%C3%BD-rozvoj-v%C3%BDstavby-sprava-a-uzivani-budov-s-temer-nulovou-spotrebou-energie-nzeb>

27.04.2017 Praha - Projektování budov a návrh technologií pro budovy s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/praha-projektovani-budov-a-navrh-technologii-pro-budovy-s-temer-nulovou-spotrebou-energie-nzeb>

20.04.2017 Praha - Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB) <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/praha-provadeni-a-vystavba-budov-s-temer-nulovou-spotrebou-energie-nzeb>

02.03.2017 Cesta k budovám s téměř nulovou spotřebou energie

<http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2017/cesta-k-budov%C3%A1m-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie>

19.10.2016 Mítink Train the Trainers v Praze <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/m%C3%ADtink-train-the-trainers-v-praze>

18.10.2016 Školení školitelů ve Vysokém Mýtě <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/skoleni-skolitelu-ve-vysokem-myte>

22.09.2016 Atraktivita a využití finančních nástrojů v ČR <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/atraktivita-a-vyuziti-financnich-nastroju-v-cr>

22.06.2016 Vzdělávání směrem k budovám s téměř nulovou spotřebou energie (nZEB)
<http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/vzd%C4%9B%C3%A1v%C3%A1n%C3%A1m-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb1>

17.05.2016 Vzdělávání směrem k budovám s téměř nulovou spotřebou energie (nZEB) + Project Steering Committee Meeting Prague 17/05/2016 <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/vzd%C4%9B%C3%A1v%C3%A1n%C3%A1m-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb-project-steering-committee-meeting-prague-17052016>

14.01.2016 Vzdělávání směrem k budovám s téměř nulovou spotřebou energie (nZEB)
<http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2016/vzd%C4%9B%C3%A1v%C3%A1n%C3%A1m-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

14.01.2016 Pozvánka na seminář: "Vzdělávání směrem k budovám s téměř nulovou spotřebou" <http://www.svn.cz/cs/novinky-a-media/seminare-a-konference-zdroje/2015/pozv%C3%A1nka-na-semin%C3%A1r-vzd%C4%9B%C3%A1v%C3%A1n%C3%A1m-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-nzeb>

Press releases

05.02.2018 Připravenost stavebnictví na budovy s téměř nulovou spotřebou energie
<http://www.svn.cz/cs/novinky-a-media/tiskove-zpravy/2018/p%C5%99ipravenost-stavebnictv%C3%AD-na-budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie>

23.03.2017 Tisková zpráva: Budovy s téměř nulovou spotřebou energie mají své nové školicí centrum <http://stavebniakademie.cz/news.do?Dispatch>ShowDetail&itemId=182>

21.03.2017 Budovy s téměř nulovou spotřebou energie mají své nové školicí centrum
<https://stavba.tzb-info.cz/budovy-s-temer-nulovou-spotrebou-energie/15518-budovy-s-temer-nulovou-spotrebou-energie-maji-sve-nove-skolici-centrum>

28.02.2017 Budovy s téměř nulovou spotřebou energie změní české stavebnictví
<http://www.svn.cz/cs/novinky-a-media/tiskove-zpravy/2017/budovy-s-t%C3%A9m%C4%9B%C5%99-nulovou-spot%C5%99ebou-energie-zm%C4%9B%C3%AD-%C4%8Desk%C3%A9-stavebnictv%C3%AD>

Links to „Train-to-NZEB“

The way to nearly zero-energy buildings: Train-to-NZEB project

<http://www.buildup.eu/en/news/way-nearly-zero-energy-buildings-train-nzeb-project-0>

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

<http://www.buildup.eu/en/explore/links/train-nzeb-building-knowledge-hubs-europe-0>

BUDOVY S TÉMĚŘ NULOVOU SPOTŘEBOU ENERGIE (nZEB), provádění a výstavba - kurz má akreditaci ČKAIT <http://www.uceeb.cz/budovy-s-temer-nulovou-spotrebou-energie-nzeb-provadeni-vystavba-kurz-ma-akreditaci-ckait>

Pozvánka na mezinárodní konferenci Připravenost stavebnictví na nZEB
<http://www.czgbc.org/news/new/589/pozvanka-na-mezinarodni-konferenci-pripravenost-stavebnictvi-na-nzeb>

CESTA K BUDOVÁM S TÉMĚŘ NULOVOU SPOTŘEBOU ENERGIE

<http://www.stavebniaakademie.cz/course/1593.html>

Staňte se s námi odborníky na budovy s téměř nulovou spotřebou energie

http://www.svn.cz/assets/files/informacni-materialy/2016/ROLL_UP_small_final.pdf

Newsletter Train-to-nZEB, vydání 1, květen 2016 <http://www.svn.cz/assets/files/informacni-materialy/2016/T2NZEB%20E-newsletter%201.pdf>

Pozvánka na konferenci k NZEB <http://www.eebcz.eu/cz/aktualne/novinky/pozvanka-na-konferenci-k-nzeb/>

NÁRODNÍ WORKSHOP K PROJEKTU FIT-TO-NZEB V PRAZE <http://k126.fsv.cvut.cz/?p=201>

Zveme na konferenci CESTA K BUDOVÁM S TÉMĚŘ NULOVOU SPOTŘEBOU ENERGIE

<http://www.uceeb.eu/zveme-na-konferenci-cesta-k-budovam-s-temer-nulovou-spotrebou-energie>

Provádění a výstavba budov s téměř nulovou spotřebou energie (nZEB)

<http://www.topin.cz/akce/provadeni-a-vystavba-budov-s-temer-nulovou-spotrebou-energie-nzeb-detail-1481>

Energy efficiency policies toward 2030 - opportunities and challenges for Central Europe

https://www.ujep.cz/wp-content/uploads/2018/12/Conference_programme_Energy-efficiency-policies_final-WEB.pdf

TRAIN-TO-NZEB: THE BUILDING KNOWLEDGE HUBS <https://danube-inco.net/object/project/15317>

Udržitelný rozvoj výstavby, správa a užívání budov s téměř nulovou spotřebou energie (nZEB)

http://www.svn.cz/assets/files/seminare_a_konference/2017/Pozv%C3%A1nka%20Kurz%204.5.17%20V2.pdf

Communication and Dissemination Strategy of BKH Turkey

Final Report

PROGRESS TOWARDS OBJECTIVES:

General objectives

- To attract 600 building professionals, 120 designers and 180 non-specialists to the trainings offered

Starting point: At the start of the project, several private and governmental organisations carry out trainings for energy efficient design in buildings. These courses are primarily concentrated on training of professionals. Concentration and interest of non-specialists and workers are at a very low degree, therefore, courses for non-specialists are virtually non-existent. No market exists; costs for the courses are usually covered by the employers themselves. Majority of these trainings and seminars are free of charge, a few them collect subsidies for trainings.

Current situation: After the start of the project, the demand for NZEB-related training is slowly increasing. The training courses have gained popularity from designers; however, non-specialist and workers are still unwillingness to join the courses. There are no regulations for NZEB and financial support programmes at national level targeting NZEB level which seriously hampers the demand for training on the topic. However, due to the successful marketing and communication campaign, at the end of the project the success indicators (SI) are achieved, as follows: **585 building professionals, 127 designers, and 185 non-specialists.**

- To engage additional training centers and experts in the BKHs network

At the starting point there is no training center for NZEB in Turkey. Some of the partners such as ESSIAD (Association of Aegean Industrialists and Businessman in Cooling Sector) and Trakya University would be interested to join and use the materials of BKH-TR. Individual trainers are, on the other side, likely to join, as there are few opportunities for professional specialization for them in Turkey.

Current situation: An agreement for usage of the BKH-TR is concluded with the Balikesir Chamber of Architecture, firms related energy efficiency for buildings and cooperation activities have started with them. Two training centers established in Turkey. One of them is located at Ege University. Other is a part of the Faculty of Architecture in Balikesir University. More than 60 trainers have passed the BKH-TR train-the-trainer courses and actively conduct training sessions in the two BKH-TR.

- To increase the media coverage of the initiatives in the VET in the building sector

Starting point: General media is however harder to reach so the cooperation with external partners.

Current situation: More than 10 publications in professional press, magazines and websites are achieved and the need to develop the capacity along the construction value chain is discussed with local media representatives. Train-to-NZEB supported events, e.g. the 1st Turkish NZEB conference and opening ceremony of training centers, are extensively covered by the national media and professional media.

- To raise the awareness of the end users and decision makers for the most efficient building concepts, energy efficiency standards and RES solutions in buildings: 200 followers in social media / 100 social media expressions of attitude (comments/likes) / 5 citations from policy makers and/or prominent public figures.

Starting point: Social media is widespread in Turkey for promotion of business issues, Twitter and Facebook, which is quite common, is usually used for leisure and entertainment. LinkedIn is not very common, and other applications are virtually non-existent. Based on previous experience, professional website forums are also quite inactive. The achievement of the indicators above would be a strong signal for the increased public relevance of the topical issue.

Current situation: The increasing the awareness goes hand in hand with the increasing of the social media coverage. Social media at project level are enough for the moment.

Website of the Ege University including a link to project website- insaat.ege.edu.tr – is visited on average by 1250 users each month. The total number of followers of the project in Facebook is more than 300, and expressions of attitude are above 400. The Facebook profiles managed by Ege University team in Turkish language and reflecting all project-related information gather more than 300 followers. The project-related posts (more than 50) have gathered more than 1000 (positive) expressions of attitude.

Specific objectives

- **To attract building professionals to the trainings offered**
 - Publish articles in the professional media: **about 3 articles published**
 - The Chamber of Architects in Balikesir and ESIAD in the project events and trainings was **involved through personal discussions and participation in trainings**; the feedback from the TTT course from the Chamber of Architects is very positive.
 - Present the project in 8 external events targeted to the professional community: **presented at more than 8 events**; a very successful tool to raise awareness
 - Involve at least 10 construction companies to project events and trainings: **the indicator is completed only through project events**. The total number is more than 10.
 - Cooperate with at least 5 producers and distributors of building components and materials: **more than 10** producers and distributors have agreed to cooperate with the BKH-TR. BRAAS Turkey, Knauf Turkey, TUKSAD, REHAU Turkey, Guler Energy, Isiklar Bricks, Fraenkische, Megaron Roof, Trakya Glass, DAIKIN, SOLIMPEX, ENEKO, ALARKO-Carrier, Saint-Gobain Weber-Turkey and IZOCAM are involved in equipment of BKH-TR. An exhibition with more than 3 presenters has been organized within the 1st National NZEB Conference.
 - Promote the results of the workshops that will be held through the project through press releases and/or own publications: **3 press releases to multiple media outlets are published**
 - Boost peer to peer communication to share experience and expertise: attract at least 150 local building experts or decision makers to project events: **about 300 participants have**

attended the national meetings organized by project. The total number of reached experts through different channels is much higher.

- Expand the use of materials created within the project in relevant academic contexts: attract representatives of at least 3 universities to project event and try to establish sustainable cooperation through MoUs, peer review and exchange of training materials: **A cooperation made with the Faculties of Architecture**; meetings and discussions are conducted with Trakya University, Balikesir University, Mimar Sinan University, Uludag University, Aydin University, Dogus University and Istanbul Technical University. Representatives of them have attended project events.
- **To engage additional training centers and experts in the BKHs network**
- **Information have disseminated about the project at regular basis with TUKSAD and ESIAD.**
- Launch and maintain the project website with regular updates of the information, feedback options and distance learning capabilities: **The website of Department of Civil Engineering in Ege University offers updated information about the project.**
- Regularly disseminate information in at least 3 professional groups in social media: **information is disseminated with professional groups in LinkedIn and Facebook.**
- Participate in conferences and networking events, presenting the benefits of joining the network: T2NZEB has been presented in **more than 5 conferences and networking events.**
- **To increase the media coverage of the initiatives in the VET in the building sector**
- Prepare media-friendly content: **interviews were made; video content from related events available.**
- Invite representatives of different media to the project events and follow-up the coverage, targeting materials in different media: **several representatives invited; several materials achieved.**
- **To raise the awareness of the end users**
- Boost peer to peer communication through user-friendly informational materials: **About 40 posts in social media.**
- Provide opportunities for face-to-face consultations in the two BKHs-TR: invite representatives of housing associations to courses and demonstrations: **achieved.**
- Conduct trainings for non-specialists: attract at least 180 non-specialists to the trainings offered: **185 non-specialists have attended training sessions.**

Annex 1: Monitoring communication and dissemination activities

EVENTS (organized by the project or external)	Date / Location	Type of event	Topic / description	Target groups	Announce ment (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
1. 3 rd Anatolian Energy Symposium in Muğla	1-3.10.2015	Symposium	Presentation of the project	Academicians and people involved in Energy Efficiency	http://aes2015.mu.edu.tr/	http://aes2015.mu.edu.tr/	60	presentation	y	Generally positive, too broad agenda
2. ESIAD and Ege University Team	1.04.2016	Workshop	Nearly zero- energy buildings	Professionals	n/a	https://cloud.essiad.org.tr/sogutma_dunyasi/72.pdf	7	presentation 7 flyers	y	Too ambitious and far from the current practice, but still positive
3. Organized by the project Ege University	12- 13.05.2016	Kick off meeting and TTT	Capacity building on Trainers	All groups	n/a	n/a	22	presentation	y	Positive, resulting in further cooperation
4. Best (Board of European Students of Technology) International Students Meeting	6.09.2016	Workshop	Project overview	International undergraduat e students	https://www.facebook.com/BEST.IZMIR/posts/1209168569142912	https://www.facebook.com/BEST.IZMIR/posts/1209168569142912	16	presentation	y	Positive, awareness raising
5. Organized by project	16.11.2016	Meeting	Presentation of the project concept	Academicians and professional	n/a	n/a	15	15 flyers presentation	y	Largely positive
6. Organized by Chamber of Mechanical	4-5.05.2017	Conference	Passive house	Professionals	n/a	n/a	250	presentation		Strongly positive, a number of new partnerships initiated

<i>Engineering in Eskişehir</i>										
7. ICOCEE in Niğde	8- 10.05.2017	Conference	Nearly zero- energy building and renewable energies	Academicians and students	n/a	www.ecocee.org/committees-t102.html	155	presentation		Strongly positive
8. Organized by TUKSAD	13.09.2017	Meeting	Brick for Nzeb	Professionals	n/a	n/a	10	10 flyers, presentation	y	Positive, awareness raising for professionals
9. Organized by Chamber of Architecture İzmir	27.10.2017	Panel	Towards to Nearly zero- energy buildings	Professionals Academicians and students	n/a	http://www.mimarizm.com/etkinlikler/toplantilar/sifir-enerji-mimarligina-dogruya-yeni-gunes-enerjili-tasarim-paneli-izmir_128713	150	presentation	y	Largely positive
10. Organized by project	14.11.2017	Workshop	Renewable energy for buildings	undergraduat e students	n/a	n/a	33	30 flyers, presentation	y	Positive
11. Organized by project	24.10.2018	Workshop	Nearly zero- energy buildings	undergraduat e students	n/a	http://www.balikesir.edu.tr/index.php/baun/birim/	8	8 flyers, presentation	y	Largely positive

			and airtightness			mimarlik_fakultesi/dhe/9552				
<i>12. Organized by Chamber of Electrical Engineering in Izmir</i>	16-17.11.2018	Panel	Izmir Region Energy Forum	Professionals Academicians and students	http://www.emo.org.tr/genel/bizden_detay.php?kod=125548&tipi=2&sube=	http://www.emo.org.tr/gelenel/bizden_detay.php?kod=125709&tipi=2&sube=	50	presentation	y	Positive, interest for activities at local level
<i>13. 11. Organized by project</i>	28.11.2018	Conference	Architecture speeches	Professionals Academicians and students		http://www.balikesir.edu.tr/index.php/baun/birim/mimarlik_fakultesi/dhe/9365	90	presentation	y	
<i>14. Organized by Remourban H2020 in Eskisehir</i>	21.12.2018	Conference	Towards to Nearly zero-energy buildings	Academicians and students	n/a	http://www.gelisimkoleji.k12.tr/haberler/2020-horizon-remourban-projesi-293	85	presentation	y	Positive

TV & RADIO

TRAIN-TO-NZEB IZMIR

<https://www.iklimlendirme.tv/roportaj/train-to-nzeb-izmir/>

PRESS RELEASES

Yaklaşık Sıfır Enerjili Binalar Eğitim ve Danışmanlık Merkezi Açıldı

<http://essiad.org.tr/yaklasik-sifir-enerjili-binalar-egitim-ve-danismanlik-merkezi-acildi-2/>

<http://www.tesisatplusdergisi.com/guncel/227/yaklasik-sifir-enerjili-binalar-egitim-ve-danismanlik-merkezi-acildi>

<https://www.haberinioku.com/yaklasik-sifir-enerjili-binalar-egitim-ve-danismanlik-merkezi/43415/>

HORIZON 2020 – AB PROJESİ

<https://yusifyildiz.wordpress.com/2016/04/04/128/>

Examples for Buildings of High Energy Efficiency

<http://mmoteskon.org/wp-content/uploads/2017/05/2017-037.pdf>

Pathbreaking centre for Nearly Zero Energy Buildings

<http://www.bizimizmir.net/sifir-enerjili-binalarta-onculuk-edecek-38962>

Opening of Centre for Nearly Zero Energy Buildings

<http://ticaretgazetesi.com.tr/yaklasik-sifir-enerjili-binalar-egitim-ve-danismanlik-merkezi-aciliyor>

Nearly Zero Energy Buildings Training in Ege University

<https://www.turkishhvacnews.com/2017/08/08/yaklasik-sifir-enerjili-binalar-egitimi/>

Prof. Dr. Ozbalta made a presentation concerning applicability and sustainability of nearly zero energy buildings in construction sector.

<https://www.eskisehir.edu.tr/haberler/horizon-2020-remourban-projesi-kapsaminda-duzenlenen-konferanslar-devam-ediyor-1545502244>

<http://www.izmir.com.tr/Pages/NewsDetails.aspx?x=24366>

Communication and Dissemination Strategy of BKH Ukraine

Final Report

PROGRESS TOWARDS OBJECTIVES:

General objectives

- To train 240 workers (who are involved into construction activities), 40 qualified building professionals (designers, architects, engineers, construction coordinators, advisors on design and construction), 80 non-specialist decision-makers. To attract 500 students studying at construction-related faculties to the Ukrainian NZEB Hub's activities.

Starting point: Despite of the effort by the Government to increase energy efficiency, strengthening of the educational component is vitally important for stakeholders and decision makers in charge of the implementation of the national policy on the local level. Often, to save costs, cheaper and not high quality construction materials are used and technologies are not applied in full or not applied at all and out-of-date solutions are implemented. Raising awareness and expanding knowledge for stakeholders and decision makers is needed.

Current situation: Kyiv National University of Construction and Architecture had become Project Partner and agreed not only to host the Ukrainian NZEB Hub but also to have it as a special division of the University. KNUCA shared its human and other resources to support the Hub's establishment and trainings. The demand for NZEB-related training is rising. The training courses have gained pace. The financial support programmes at national level are not targeting nZEB level which seriously hampers the demand for training on the topic. The Law "On Energy Efficiency of Buildings" was adopted in 2018 and it has become obvious that in need are the specialists in energy certification of buildings and in energy examination of engineering systems. The extensive marketing and communication campaign was carried out that helped achieve the success indicators (SI) at the end of the Project: **275 building professionals, 45 designers, and 82 non-specialists.**

- To raise awareness of new trends, standards and solutions in the domain of energy efficiency and energy saving for end users who could influence on decision taking.

Starting point: The start of the Project coincided with the start of the active energy efficiency movement in Ukraine. However, raising awareness on energy efficiency and energy saving and introduction and promotion of modern technologies and practices should be gradual and not forced so that to build trust and change the situation to better.

Current situation: The Ukrainian BKH is hosted and supported by Kyiv National University of Construction and Architecture (KNUCA). More than 25 manufacturers/vendors of EE equipment and materials and building companies are Project partners. More than 20 trainers were trained and now conduct trainings at the Ukrainian BKH.

- To carry out a targeted Information Campaign in media and social networks to promote nearly zero-energy buildings and to explain that such buildings could be built in Ukraine and to raise the demand in the market for such types of buildings.

Starting point: At the start of the Project, media and social networks were hardly speaking about nearly zero-energy buildings. Cases when this subject was discussed were rare and these were mainly

individual discussions or academic debate. The market related to design of nearly zero-energy buildings was not developed.

Current situation: More than 10 publications were prepared and disseminated through specialized local and international journals on energy efficiency of buildings and structures. Main publications showcasing Project results and achievements and nearly zero-energy buildings have been published by the scientific magazine "Energy Efficiency in Building and Architecture". From the start of the Project, two international conferences on energy efficiency and energy saving have been organized annually; these are "BUD-MASTER-CLASS" in 2015, 2016, 2017, 2018 and "ENERGY INTEGRATION" in 2016, 2017, 2018. Conference materials were published and disseminated.

Specific objectives

- To attract engineers and technical specialists, high and middle level managers from building companies, academia and students studying at technical and engineering faculties to take an active part in activities carried out by NZEB Hub and raise awareness of this target group of energy saving trends in the building sector, new technologies that in the long run would have helped change their attitude to energy efficient projects.

Subtasks:

- 1.1. To develop a Terms of Reference on setting up of an Information and Engineering Knowledge Hub and to adapt the existing training programs and to develop new training programs to carry out the training activity under the Project: **Terms of Reference was developed in October 2015.**
- 1.2. To set up the Information and Engineering Knowledge Hub: **the Ukrainian BZEB Hub was set up in 2016 and grand opening ceremony took place in November 2016 at KNUCA. The Hub is a subdivision of KNUCA.**
- 1.3. To train at least 3 trainers who would deliver trainings at the Hub: **4 trainers from KNUCA and 15-20 trainers from the number of project partners - manufacturers/vendors of EE equipment and materials, have been trained.**
- 1.4. To promote the Hub in social networks by creating a Hub's page and a website if necessary: **NZEB Hub's website <https://www.nzeb.com.ua/ua/main/news/news.html> was launched in 2018.**
- 1.5. To organize special-focus events and student conferences at construction universities, with representatives from State Agency of Energy Efficiency and Energy Saving and Ministry of Regional Development, Construction and Housing and Municipal Economy taking part in these events: **Total 7 events were organized and attended by more than 3500 participants; 9300 copies of flyers were disseminated at the events.**
- 1.6. To promote the Project in the market and to the industry. To attend 1-2 exhibitions during Project Year 1 and at least 7 big events during the Project. **Events organized by other projects and organizations were attended during Year 1 and during the Project.**
- 1.7. To disseminate 7 publications in specialized media during Project Year 1 and not less than 15 publications during the Project: **8 publications were disseminated through special journals and websites of partners (publications focused on concepts of nearly zero-energy buildings and were disseminated to students, expert community, and academia). Total of 4 tours to the Training Centre were organized for over 50 journalists who write about energy efficiency and energy saving. Media contacts established with specialized web-portal, e.g. <http://budport.com.ua/>.**

- 1.8. To partner with manufacturers/vendors of EE materials and equipment and construction businesses: **During the Project, partnerships with 20 manufacturers/vendors of EE equipment and materials were established and 25 MOUs signed.**
- 1.9. To design 2 flyers to promote the Project and its activities, NZEB Hubs during Project Year 1 and not less than 5 flyers during the Project. **The flyers were designed and 9300 copies were disseminated during events.**
- 1.10. To promote Project, its goals and tasks, and events in media and social networks by disseminating press-releases. Press-releases were disseminated through the websites of KNUCA, MDI, project partners, specialized web-portals, website of NZEB HUB.
- 1.11. To partner with KNUCA and an educational platform, e.g. Coursera, to develop the interactive training course. **This objective has been revised as per the changes in the national legislation. Two new training courses for energy auditors have been developed (on building envelope and structural elements; on engineering networks), which also included the main principles of passive houses. By the end of the project, the first group of energy auditors was trained.**
- **To raise awareness of end users, who can influence decision making in the energy sector, of new trends, standards and solutions.**
- 2.1 To collaborate with local self-governments regarding training local specialists working in infrastructure, town planning and energy efficiency departments. **Among 82 non-specialists trained 17 are representatives of local self-governments responsible for energy management, town planning and other issues. This number includes 6 persons from Dobropillia (Donetsk Oblast) where it is planned to apply the experience of the Project and set up a similar training center – an Energy Efficiency Center of Donbass.**
- 2.2. To develop information materials for media and social networks (infographics, video, articles) and Project website, create the account for the Project in social networks. To collect publications and reports prepared by other projects/resources. **NZEB Hub Ukraine has accounts on Facebook <https://www.facebook.com/nzeb.hub.ua/> and <https://www.facebook.com/nzeb.hub.ukraine> and its website <https://www.nzeb.com.ua/ua/main/news/news.html>. Information and updates are also disseminated through MDI website www mdi.org.ua. Ukrainian NZEB HUB also disseminates information through social networks:**
- Twitter: https://twitter.com/NZEB_HUB
 - Instagram: <https://www.instagram.com/nzeb.hub/>
 - Youtube: https://www.youtube.com/channel/UC4vEFw8k_Iy3GqgF5kzxk8g
 - LinkedIn: <https://www.linkedin.com/company/18547149/admin/>; and
 - Google Plus: <https://plus.google.com/u/0/115773046136085620831>
- 2.4. To promote nearly zero-energy buildings and concepts in central media throughout the Project, with support from the State Agency for Energy Efficiency and Energy Saving of Ukraine. **Nearly zero-energy buildings and concepts were promoted through social networks and specialized and related web-resources and also at national events and international conferences. A collection of scientific and research papers and conference materials was produced.**
- 2.6. To design 2 flyers about the Project, its goal and activities, NZEB Hub. **Flyers produced and 9300 copies disseminated at events during the Project.**
- 2.8. To develop and implement the training program on nearly zero-energy buildings for university lecturers. **During the Project, lecturers from KNUCA and other Kiev technical universities were trained and now the lecturers share knowledge with students.**
- **To carry out the special Information Campaign to promote nearly zero-energy buildings and concepts and to increase the demand in the market.**

3.1. To collaborate with local self-governments and Condominium Advisory Centers on clean energy projects. A training and information center will be established in Dobropillia (Donetsk Oblast). The center will be called **Energy Efficiency Center of Donbass. For establishment and operations of the Center the experience of the Train-to-NZEB Project will be used. The news on Project results and achievements were also disseminated to more than 20 Condominium Advisory Centers established with assistance from two USAID Projects – Municipal Heating Reform in Ukraine and Municipal Energy Reform in Ukraine during 2009-2018.**

3.2. To ensure media coverage for project events, to ensure presence of journalists from special/central/local media and to inform them about Project results and achievements on a regular basis. **During the Project, media coverage to all events was ensured. In addition, 4 tours to the Training Centre were organized for over 50 journalists who write about energy efficiency and energy saving.**

3.3. To develop information materials for dissemination through printed media, social networks (infographics, video, articles), Project account in social networks and Project website. To collect information materials, publications and reports from other projects: **Ukrainian NZEB Hub has the accounts on Facebook <https://www.facebook.com/nzeb.hub.ua/> and https://www.facebook.com/nzeb.hub.ukraine and HUB's website <https://www.nzeb.com.ua/ua/main/news/news.html>.**

3.4. To support information and knowledge exchange between NZEB Hubs and Project implementing parties through the website of the Project. The Ukrainian NZEB Hub provided information on progress and activities in Ukraine to be disseminated through the Project website. Communication with implementing parties took place during regular meetings of the Project.

Annex 1: Monitoring communication and dissemination activities

EVENTS (organized by the project or external)	Date / Location	Type of event	Topic / description	Target groups	Announcem ent (links)	Reviews / media coverage (links)	No of Participants	Info materials distributed (with numbers)	T2NZEB presenta tion given (Y/N)	Comments and feedback
Opening of the Ukrainian NZEB Centre	November 1, 2016	Grand Opening of NZEB Hub in the framework of “BUD- MASTER- CLASS- 2016”, 2nd All-Ukrainian Scientific Conference for Young Scientists, Post Graduate Students, Students	Setting up a NZEB Hub, first ever in Ukraine	EE equipment and materials manufacture rs/vendors Academia Students Industry professionals	Yes	n/a	30	n/a	Y	Ambitious and successful
“BUD- MASTER- CLASS-2015”, 1st Scientific Conference for Young Scientists, Post Graduate	November 26-27, 2015	Scientific Conference	Energy efficiency and energy saving in building and architecture	Industry professionals Academia Students Media	Yes	n/a	1900	n/a	Y	Ambitious and successful

Students and Students										
"ENERGY INTEGRATION-2016", 6th International Scientific Conference	April 13-15, 2016	Scientific Conference	Energy efficiency and energy saving in building and architecture	Industry professionals Academia Students Media	Yes	n/a	1560	n/a	Y	Ambitious and successful
BUD-MASTER-CLASS-2016	November 16-18, 2016	Scientific Conference	Energy efficiency and energy saving in building and architecture	Industry professionals Academia Students Media	Yes	n/a	1420	n/a	Y	Ambitious and successful
ENERGY INTEGRATION-2017	April 26-28, 2017	Scientific Conference	Energy efficiency and energy saving in building and architecture	Industry professionals Academia Students Media	Yes	n/a	1080	n/a	Y	Ambitious and successful
BUD-MASTER-CLASS-2017	November 28 – December 1, 2017	Scientific Conference	Energy efficiency and energy saving in building and architecture	Industry professionals Academia Students Media	Yes	n/a	1490	n/a	Y	Ambitious and successful
ENERGY INTEGRATION-2018	April 25-27, 2018	Scientific Conference	Energy efficiency and energy saving in building and architecture	Industry professionals Academia Students Media	Yes	n/a	550	n/a	Y	Ambitious and successful
BUD-MASTER-CLASS-2018	November 28-30, 2018	Scientific Conference	Energy efficiency and energy saving in	Industry professionals Academia Students	Yes	n/a	1100	n/a	Y	Ambitious and successful

			building and architecture	Media						
International Workshop ZEC-2018 – Zero Energy Buildings and Energy Efficiency: Best World Practices	October 25, 2018	International Workshop	Nearly zero-energy buildings	Building industry businesses Stakeholders Academia	Yes	n/a	200	n/a	Y	Ambitious and successful

7 events, 3500 participants, 9300 copies of flyers disseminated.