

TRAIN-TO-NZEB THE PROGRESS SO FAR

BUILD UP Skills International Exchange Meeting

06 June 2016, Budapest



Co-funded by the Intelligent Energy Europe
Programme of the European Union

DELIVERABLES (1/2)



Completed deliverables

- D 5.3 Website – done. Local sites developed
- D 3.1 A set of new/adopted training programmes: March. Responsible: all/PHI
- D 3.2 Training programs for professional and pedagogic training of trainers: March. Responsible: all/PHA & LIT
- D 1.4 First progress report: April 2016

DELIVERABLES(2/2)



Next Deliverables: JUNE 2015

- D2.3 Web-based networking platform (EE)
- D2.4 Six new MoUs signed with new network members (EE)
- D2.5 Business plans for each BKH (locally)
- D3.3 Presentations and participants lists from TTT courses (locally, PHI)
- D4.5 List of trained professionals (EE)

SETTING UP BKHs



Terms of Reference: Facilities

- Studying ToRs: adaptation to national traditions and design and construction of training and demo models
- National ToR for internal use
- First model drawings available
- Cooperation agreements close to completion
- Issues with timing

BUSINESS PLANS



Business plan

- Market Research (MR) Reports available
- Additional secondary and primary research to support the Business plan is being performed
- Business plan drafting: starts upon completion of the MR Report
- Business plan draft deadline: May

SETTING UP BKHs

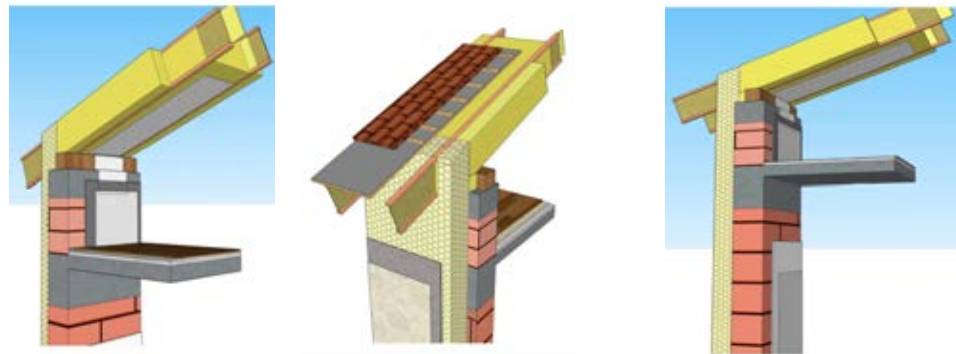


CZECH REPUBLIC


- Czech construction academy Prague (ABF)
- Location in the centre of Prague (Václavské náměstí)
- Excellent transport accessibility (Prague Main Station, public transport)



SETTING UP BKHs



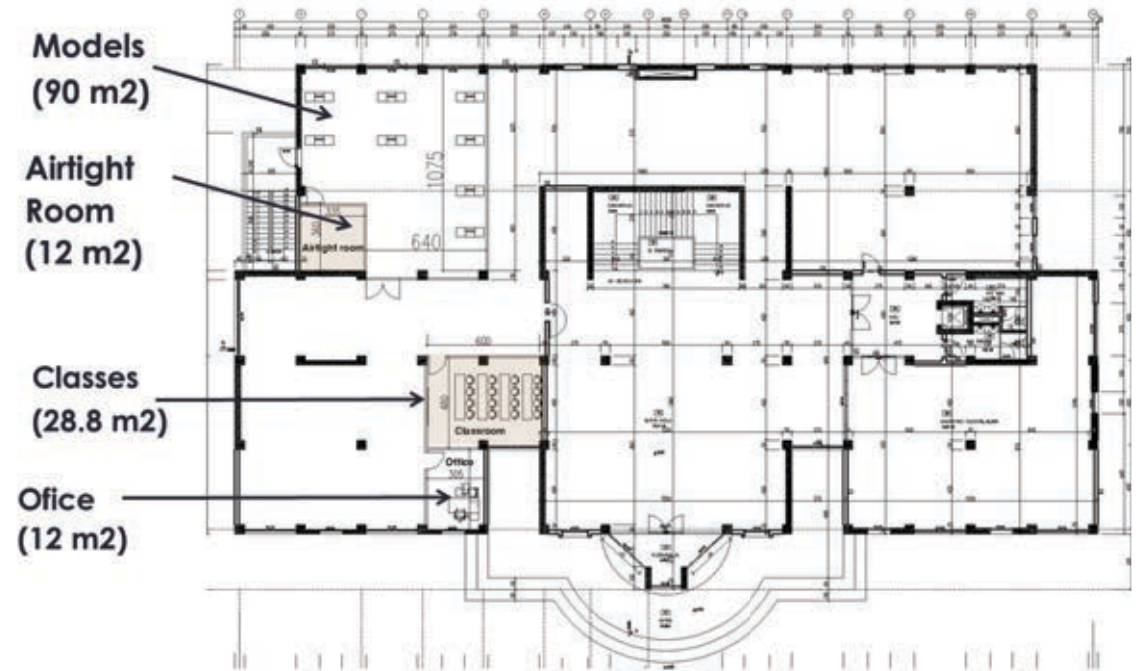
ROMANIA

- Full size research laboratory for the development and assessment of nZEB technical solutions – long term vision (2020)
- Practical training area within the Testing Hall INCERC – CPEC / Building Services
- Analyse existing construction practice in Romania and define best practice  suitability for nZEB / PH
- Details for mock-ups: First proposals for discussions

SETTING UP BKHs



TURKEY



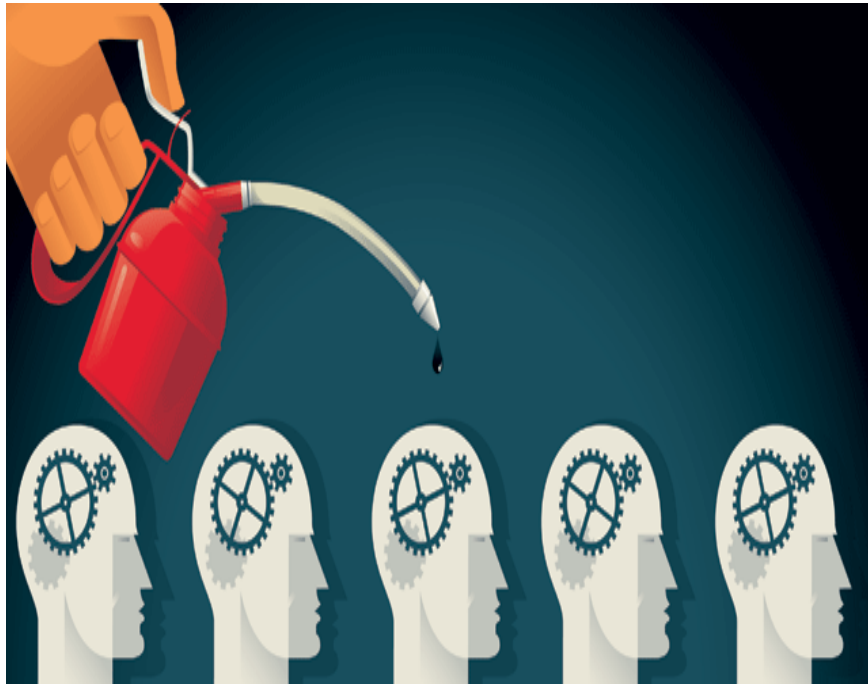
SETTING UP BKHS



UKRAINE



TRAINING & TTT PROGRAMMES



Training Framework

- Detailed Training Framework is provided for project partners & associates
- Based on the results of BUS, other IEE, H2020 & 7FP projects
- Module-based framework – allows for customization for each country
- A number of sources available online
- TTT course completed with the help of PHI online tool

BKH – Training Modules – Bulgaria (1/2)

On-site Construction Crafts & Professions

No	Training program	No. hours	Short description
1	Building Envelope (BUS EnerPro)	40	Online course + 2 days (theory and practice)
2	Building Systems (BUS EnerPro)	40	Online course + 2 days (theory and practice)
3	Building Market, Products and Technologies (BUS EnerPro)	40	Online course + 2 days (theory and practice)
4	PVs (BUS EnerPro)	40-60	Modular structure, up to 60% practice, each student is stimulated to attend more than 1 course.
5	Solar thermal (BUS EnerPro)	40-60	
6	Biomass (BUS EnerPro)	40-60	
7	Mini-wind (BUS EnerPro)	40-60	

No	Training program	No. hours	Short description
8	Thermal pumps (BUS EnerPro)	40-60	Modular structure, up to 60% practice, each student is stimulated to attend more than 1 course.
9	Heating, ventilation and AC (BUS EnerPro)	40-60	
10	Hybrid systems (BUS EnerPro)	40-60	
11	<i>Certified PH Tradesperson (envelope/systems)</i>	<i>2.5 days</i>	<i>Following the PH scheme, based on bilateral agreements</i>
12	Airtightness	16	Theory + practical
13	Ventilation systems with heat recovery	16-24	Theory + practical
14	Insulation systems + thermal bridges	16-24	Theory + practical



BKH – Training Modules – Bulgaria (2/2)

Designers, consultants, building managers
(specialists)

Non-specialists

No	Training program	No. hours	Short description
1	<i>Certified PH Designer / Consultant</i>	7-10 days	<i>Following the PH scheme, based on bilateral agreements</i>
2	NZEB design basics	24 hours	Online training + theory + demonstrations
3	Airtightness	16	Online training + practical
4	Ventilation systems with heat recovery	24	Online training + theory + practical
5	Insulation systems + thermal bridges	24	Online training + theory + practical
6	RES in NZEBs	24	theory + practical

No	Training program	No. hours	Short description
1	PH/NZEB economics	8	theory + demonstrations
2	PH/NZEB design basics	8	theory + demonstrations/ practical
3	Airtightness	8	theory + demonstrations/ practical
4	Ventilation systems with heat recovery	8	theory + demonstrations/ practical
5	Insulation, PH windows & thermal bridges	8	theory + demonstrations/ practical
6	RES in NZEBs	8	theory + demonstrations/ practical

**The length and the format (all modules or a package of modules) of the trainings will be determined based on the MR results*

