

# BUILD UP SKILLS TRAINBUD

2017.05.30.

Acronym of the project: BUILD UP Skills TRAINBUD

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Duration: 01.09.2014.– 31.08.2017. (36 months)

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## AIM:

- Create a voluntary qualification system
- Establish a Sustainable Construction Skills Alliance (SCSA)
- Develop an energy efficient training for **HVAC skilled workers**
- Provide homeowners reliable information on the skills and qualities of construction workers





## SUSTAINABLE CONSTRUCTION SKILLS ALLIANCE

- **Construction companies and manufacture distributors**
- **Training institutions**
- **Governmental organisations**





## TRAIN THE TRAINERS

1. Training of the trainers participating in the basic training

- 12 hour training
- Improvement of technical knowledge
- Held by SCSA members (manufacturers and trading companies)

2. Training of the trainers to hold the additional trainings

- 8 hour training
- Improving teaching skills
- Training material consists of methodology
- Held by a training expert



## TRAIN THE TRAINEES

### 1. Basic training

- 60 hour training
- module system  
supplementary basic training



## MODULES

- 1. Solar collector, photovoltaic systems**
- 2. Heat pump systems and biomass boilers**
- 3. Surface heating and cooling**
- 4. Condensation boiler, chimney**
- 5. Heat recovery ventilation system**
- 6. Control technology, measurements in energetics**
- 7. Wall insulation, windows-doors**
- 8. Entrepreneurial skills**



## TRAIN THE TRAINEES

### 1. Additional training

- 20 hour trainings
- Practical training at the companies (SCSA members)



## MODULES

- 1. Solar collector, photovoltaic systems**
- 2. Heat pump systems and biomass boilers**
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## EVALUATION

### 1. Written test

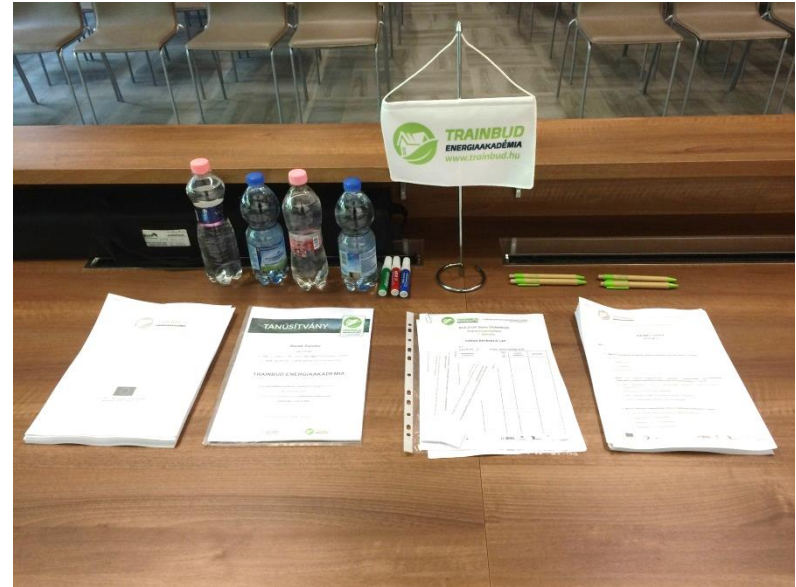
short multiple choice test with 10 questions

### 2. Oral test

1 from 17 thesis, 20 minutes preparation

### 3. Homework – Exam thesis

based on the modules development  
of complex energy saving solutions of a chosen house







## PRINTED MATERIAL AND POWERPOINT PRESENTATIONS



## MODULES - CHAPTERS

1. Solar collector, photovoltaic systems
2. Heat pump systems and biomass boilers
3. Surface heating and cooling
4. Condensation boiler, chimney
5. Heat recovery ventilation system
6. Control technology, measurements in energetics
7. Wall insulation, windows-doors
8. Entrepreneurial skills





## Construction companies and manufacturers/ distributors





## VOLUNTARY QUALIFICATION SYSTEM

TANÚSÍTVÁNY

RÉSZÉRE

aki ..... született,

és ..... és ..... között részt vett a

**TRAINBUD ENERGIAAKADÉMIA**

megnevezésű, energiahatékonysági és megújuló energia témájú, 60 órás képzésen,  
és a képzés követelményeit sikeresen teljesítette.

Kelt: .....

- Quality label
- Certification
- Skilled workers database
- Raising the awareness of skilled workers and home-owners



## TRAINING INSTITUTIONS

1. Szeged Training Centre, Szeged Móraváros Technical Vocational School (Szeged)
2. Békéscsaba Central Vocational School and Student Dormitory (Békéscsaba)
3. BGSzC Szily Kálmán Technical Vocational Secondary School (Budapest)
4. Arany János technical vocational school (Budapest)
5. Povolny Ferenc Vocational and Special Secondary school (Debrecen)
6. Péchy Mihály Vocational School (Debrecen)
7. Simonyi Károly Technical and vocational school (Pécs)

# RESULTS – MILESTONES



- **15th December 2014.** – Study of similar EU projects.
- **17th February 2015.** – **The Sustainable Construction Skills Alliance had been created.**
- **28th February 2015.** – The Qualification Concept had been developed.
- **15–17. April 2015.** – The members of the Consortium and the members of the SCSA started to create the structure of the training material at CONSTRUMA exhibition.
- **30th September 2015.** – The first version of the training material had been created, finalised and printed with the contribution of the SCSA members.



# RESULTS – MILESTONES



- **22nd December 2015.** – The voluntary qualification system had been finalised.
- **5th and 18th February 2016.** – Train the trainers events for teachers from training institutions and representatives of manufacturers.
- **15th April –11th June 2016.** – The pilot training was completed





- **January 2017.** Agreement with Training Institutions regarding the long-term sustainability of the training courses.
- **January 2017.** Training institutions started the courses
- **21st April 2017.** Regional events to promote the training
- **19–20. May 2017.** Second pilot training (shorter basic training (12 hour) + exam)







## COMMUNICATION - OUTREACH

### Online platforms

- Website
- Banner
- Social networks (Facebook, LinkedIn)
- Newsletter

### Events

- Roadshow
- Conferences
- Events for home-owners



### Printed

- Flyers
- Leaflet
- Brochures
- Training material as a communication platform (SCSA member)

### Articles

- Regional magazines
- Professional magazines





## How will the training continue?

- **The training material has to be updated/modernized biannually by the Skill Alliance**
- **The website needs to be maintained by ÉMI**
- **The training institutions will maintain the training and organise the courses**
- **The skilled workers database will be maintained and updated by ÉMI and Skill Alliance**
- **The training needs to be promoted**
- **Trainees could share the cost of the courses/exams/certification**
- **International acknowledge should be aimed**



## Strengths

- **Skill Alliance is active and powerful**
- **The training material is high level, has good reputation and is approved (complexity)**
- **The training institutions proved to be engaged to the initiative**
- **It helped, that the coordinator (ÉMI) has strong acceptance through its background (Prime Minister's Office, Supervising Authorities, Notified Body)**
- **Structures proved effective (different type of courses, basic + special moduls)**
- **Pool of trainers countrywide, Modell exams**



## Challenges

- Difficulties finding ways for mandatory requirements
- Lack of long term and powerful contact with decision makers
- Black market doesn't help the need of quality and certificate
- Complex, cross cut knowledge proved difficult to accredited
- „Missing craftsmen” situation allows lower quality expectation
- „The spread of the flame” is time consuming



## Opportunities

- **International**
- **Moving for interactive digital training materials (APPs)**
- **Integration in national/regional grant tender systems**
- **Opening for the professionals, clients, citizens, young generation and children**
- **Boosting new type performance based contracts (SME's)**



## Threats

- Lack of real motivation
- Fear of loosing quality workmanship
- Not achieving the ambitious goals
- Remaining the „traditional” fregmented, non transparent, misleading, creditless - popular approach



## Key Success Factors

- Perseverance
- More mandatory field (State, regional/city, individual level)
- (Real time) Monitoring & Control
- Financial preference/gains
- Life Cycle approach
- Strong media & marketing support



**Thank you for your attention!**

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