



BUILD UP SKILLS

ENERGY TRAINING FOR BUILDERS

FINLAND

**Best Energy Efficient Construction and
Training Practices
BUILD UP Skills BEEP**

BUILD UP Skills BEEP Project Overview

Main objectives are to

- increase of skilled construction workers and improve energy efficiency of buildings through
 - introduction of best practices to mainstream application
 - improved teaching and training of construction workers
 - active interaction within the operating environment

Resulting in

- wide application of
 - best practices and available information on energy efficient construction
 - teacher training schemes to improve competence of teacher
 - on-site training schemes to ensure improved skills of construction workers
- coordinated roadmap implementation and stakeholder collaboration



Project team

Motiva Services

- energy and material efficiency
- competence development

Tampere University of Technology

- research and education
- transfer of research results to industry

Work Efficiency Institute

- research, development and training
- construction, renewables

BUILD UP Skills BEEP Background

Challenges

- demanding climate conditions
- language issue – migrant workforce share 20%
- insufficient skills on key issues
 - structural physics, airtightness, heat insulation, moisture control
- lack of interest / poor attitudes for further training
- lack of coordination between players on construction sites

Opportunities

- EU and national energy efficiency targets
- demanding building and renovation regulations
- competitive industry – opportunities for competent players
- platform of stakeholders involved

The project approach is practice oriented focusing on training and learning on construction sites and in environments allowing practical learning. Key element is involvement of workers, supervisors, management and training providers, and authorities.



BUILD UP Skills BEEP

Objectives and Main Steps

Objectives

- Improved quality and competence on construction sites
- Improved energy efficiency of buildings



BUILD UP Skills Finland
Laatua ja osaamista
rakennustyömaalle

**Energiatohokkuuden
jalkauttaminen**
Osaamisen vahvistaminen
ja tukeminen
Yhteistyö ja verkottaminen

KYSY LISÄÄ

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2016
tulosten julkistaminen

2015
pilottikoulutukset
rakennusalan kouluttajille
ja työntekijöille

2014
parhaat käytännöt kootaan
koulutusmateriaalit
valmistuvat

2013
kansallinen etenemis-
suunnitelma valmis:
suunnitelmasta
toteutukseen

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Main Steps

- production of training materials based on best practices of energy efficient construction
- training-the-trainers
 - teacher training scheme
 - pilot trainings
- on-site training of workers
 - on-site training scheme and pilot trainings
 - peer-oriented – change agents
 - user friendly, easily accessible practical material
- stakeholder involvement
 - collaboration and consultation
 - increased activity of construction industry
- coordination of roadmap implementation
 - EU and national strategies & programmes
 - initiatives, projects, campaigns

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Expected Impacts

- Introduction of training schemes for teachers and on-site workers
- Construction companies applying on-site training
- Improved quality and collaboration on construction sites
- Increased demand for training among workers
- Better buildings
- Energy savings

BUILD UP Skills BEEP Partners and Contact

Coordinator



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Partners



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