

An all-inclusive toolbox supporting 'Best Energy Efficient Construction and Training Practices' (BEEP)

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Project overview

- WP1 Management (MotivaS)
- WP2 Training Materials Development Using the Best Practices of Energy Efficient Construction (TUT)
- WP3 Teacher Training Schemes and Pilots (TTS)
- WP4 On-site Training Schemes and Pilots (TTS)
- WP5 Coordination of Roadmap Implementation and Supporting Measures (MotivaS)
- WP6 Communication (MotivaS)
- WP7 EU Exchange Activities and Monitoring (MotivaS)

TUT = Tampere University of Technology

TTS = Work Efficiency Institute

MotivaS = Motiva Services Ltd





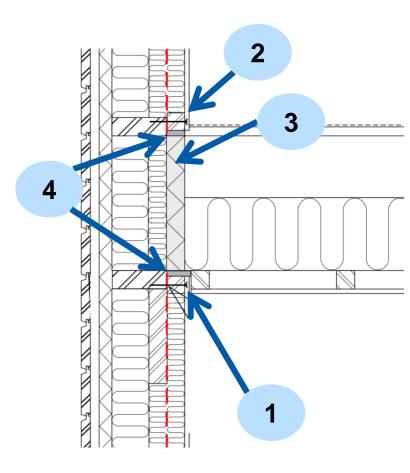
Toolbox of Training Materials

Textbook in Finnish

Multilingual material package



- Training package of PPT slides
 - 10 themes, altogether 238 slides
- Instruction card manual
 - 10 thematic cards
- Educational videos 7 silent short films (altogether 30 minutes) with subtitles

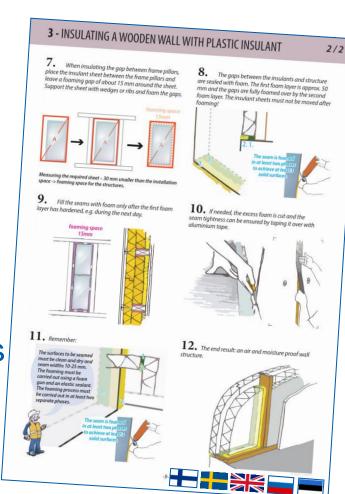






Instruction Cards

- Practical instructions on the critical phases of construction regarding energy efficiency
- In comic strip format
 - 10 x 12 illustrations with descriptive texts
 - demonstrates the work phase by phase
- Easy to use on the construction sites when laminated
- Suitable for professionals but also for do-it-yourself builders







Educational videos: How to reduce energy consumption by 50% in an old house?

- 1. Planning of the renovation
- 2. Installation of the ventilation
- 3. Insulation of the exterior wall
- 4. Installation of the air heat pump
- 5. Adjustment of the hybrid system
- 6. Piping insulations, adjustment of door frames, compaction of windows, LED lighting,...
- 7. Monitoring the energy consumption







On-site Training Ambassador

- Motivator and messenger towards
 - construction companies
 - uptake of the on-site training scheme
 - workforce
 - motivation and support for further training
 - stakeholder network
 - importance of attitude change and upskilling
 - cooperation
- Gives the face to the BUILD UP Skills training scheme
 - easy to approach the workers and the management
 - knows the product and the target groups







Lessons learnt

 The key is to filter the essence from the volume of information (research papers, reports, handbooks)

- Theory must be in the background discussion on practical construction issues is essential
- Training material package is a toolkit trainers use the material in personal ways
- Pedagogical methods need to be modernised
- Workers prefer concrete materials and instructions photos and illustrations with supporting text
- BUILD UP Skills scheme and awareness should be integrated in quality and human resource management
- LESS IS MORE





Learn more

BUILD UP Skills BEEP

www.motiva.fi/buildupskillsfinland

Training materials

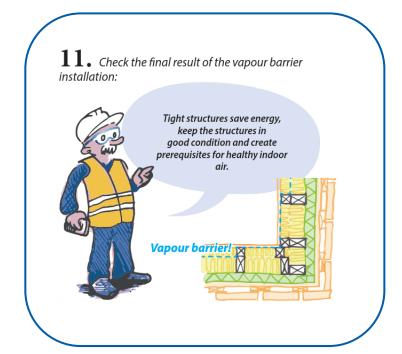
www.motiva.fi/BUStrainingmaterials www.slideshare.net/MotivaOy













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