

# BuildEst II

## Qualifications in Estonian construction field

Capital: Tallinn

Area: 45 339 km<sup>2</sup>

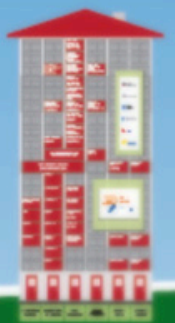
GNP: 20 460,9 mln euros (in 2015)

Population: 1 315 944 (1.01.2016)

Total number of people employed: 640 900 (in 2015)

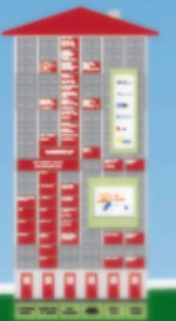
Total number of people employed in construction field: 61 800 (in 2015)

Approximately 45% of them are project target group



# Competences related to energy efficiency in qualification standards

- Qualifications in construction sector mapped on EQF levels 3-8
- Knowledge, skills and competences of energy efficiency described on EQF levels 3-5
- Energy efficient construction competences integrated into 28 qualification standards (on EQF levels 3-5)



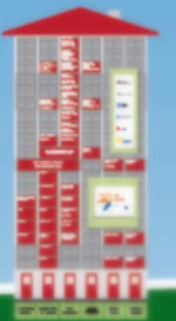
# Development of the energy efficiency competences among construction sector workforce

Non-qualified workforce	Qualified workforce
Energy efficiency skills integrated into <b>5 outcome-based national secondary vocational education curricula</b> (EQF level 4, 180 credits)	Energy efficiency skills integrated into <b>3 outcome-based curricula for continuous vocational training</b> (EQF level 4, 15 credits) * Heat pump installer * Solar heating system installer * photovoltaic system installer
Energy efficiency skills integrated into <b>15 outcome-based curricula for initial vocational training</b> (EQF level 3-4, 30-120 credits)	<b>Energy efficiency skills training program</b> (EQF level 4, 1 credit)
	Energy efficiency skills integrated into the <b>continuing education training program for master-foreman</b> (EQF level 5, 30 credits)



# Supporting implementation of the training schemes of energy efficiency competences

- Principles of RPL (recognition of prior learning and work experience) for non-qualified work-force to obtain the qualification.
- Methods for output based evaluation of occupational competences
- Trainings for the members of the evaluation committees to apply these methods in their work



# Supporting implementation of the training schemes of energy efficiency competences

## Training of trainers – 3 groups, total of 89 participants

Three main modules up to 6 training days

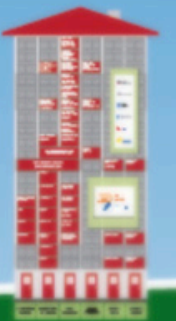
Implementation of the energy efficiency principles in construction, new and renovated buildings

Selective modules:

- Energy-efficiency principles in installation of HVAC systems, 1 day
- The possibilities of modern construction materials to ensure the energy efficiency of buildings 1 day
- The use of renewable sources of energy to ensure the energy- efficiency of buildings 1 day
- The use of renewable sources of energy to ensure the energy- efficiency of buildings

Total amount of training 108 hours(classroom 64 hours, independent work 20 hours)

Practical work, piloting of trainings 24 hours, total number of pilot tranees 270 people by the end of 2016)



# Sustainability

- Schemes and materials become part of national regulation and curriculum.
- Projects training programs are included in the training list financed by the Estonian Ministry of Education and Research
- Development of the system has actively involved wide range of stakeholders (ministry's, university, professional associations, training centers etc) in the sector so that it will meet their needs

