

Dissemination model

The **BRICKS** model foresees that the Italian Regions, as associated partners, will be involved in the implementation of the pilot actions in collaboration with the regional stakeholders for any necessary integration and/or modification taking into account their territory needs.

Besides the foreseen objectives, the large network will contribute to the development of a national cutting edge VET system.

BRICKS



Partners

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



BRICKS

BUILDING REFURBISHMENT
WITH INCREASED COMPETENCE
KNOWLEDGE AND SKILLS

www.bricks.enea.it - bricks.project@enea.it

www.bricks.enea.it

The project

BUILD UP Skills BRICKS (Building Refurbishment with Increased Competences, Knowledge and Skills) is a project of the strategic initiative **BUILD UP Skills - Pillar II** co-funded under Intelligent Energy Europe Program, coordinated by ENEA with a partnership of 15 national organizations and more than 40 associated partners including two Ministries, several Regions and the Autonomous Provinces, furthermore new adhesions are always possible.

The project is aimed at the development of tools and methodologies to set up a training system able to improve knowledge, skills and competences for construction workers and system installers, in order to construct nearly zero energy buildings by 2020.

BRICKS main goal is to lay down the basis for spreading, at national level, a unique model for the certification of competences acquired through formal, informal and non-formal learning, in compliance with the required European high quality level.

For this purpose, we intend to adapt the best practices largely used at European level to the Italian system for the evaluation of the competences gained both in VET systems as well as in working experiences.

Moreover, **BRICKS** aim is to set up new curricula to harmonize regional initiatives already taken in some Italian Regions, and a voluntary “quality label” system that provides recognition to companies employing qualified professionals.

Why BRICKS?

- In Italy, a large amount of workers do not have formal education.
- In the building sector, there are 144 different profiles with a huge regional variety.
- The low quality of vocational training and rare innovative capacity of construction workers negatively affect the ranking of Italy in relation to the other European countries.
- The VET system, the trainers and the teaching materials are generally not updated.

Main action

- To promote a **new national VET** (Vocational & Educational Training) qualification system according to the Directives on RES (promotion of use of renewable energies sources) and EPBD (Energy Performance of Buildings Directive) by removing the barriers, which were previously identified in the Italian Roadmap.
- To adopt **best practices**, which were already developed and tested in European context, adapting them to the Italian system, for the assessment of the competences acquired through non formal and informal learning.
- To promote **pilot actions for training the trainers and on site workers**, developing a best practice for “blue collars” who hardly could be included in any formal learning process for both lack of basic knowledge and difficulties to attend courses during their working time.
- To develop a **“third part certification” procedure** based on UNI (Italian National Standardization body) standards, defining knowledge, skills and competences according to the European Qualification Framework.
- To provide construction workers with **instruments and teaching materials**, which were developed in the framework of national and/or European projects to overcome any possible gap of knowledge.
- To promote a process for obtaining a **“Quality Label”** for companies employing qualified personnel.
- To investigate the possibility to develop **best practices exchange and a Memorandum of understanding** among chambers of commerce of different countries.
- To involve **all the Regions and autonomous Provinces** in order to promote and disseminate the projects outcomes through their educational and vocational training system.

ELECTRONIC TECHNICIANS
DOMOTIC EXPERT



TRAIN THE TRAINERS

**PILOT
ACTIONS**

LEARNING RESOURCES
DEVELOPMENT



THERMO HYDRAULIC TECHNICIANS
LOW ENTHALPY GEOTHERMAL PUMPS



BUILDING OPERATORS
ENVELOPE INSULATION

The most important contribution of **BRICKS** project lies in the developing an innovative and specialized national system of vocational training. This should lead to an increased awareness on the importance of energy efficient building renovations performed by qualified workers, who can be considered to be the main guaranty for the quality of the work and return of the investment.

Expected results

- **Involvement of the majority of stakeholders** and public and private entities to promote policies, allowing to support professional training on new technologies for nearly zero energy buildings.
- Easy access to **certified and qualified curricula** for all the construction workers.
- Launch of procedures for setting up **national standards and certification schemes**, based on the EQF models developed at European level, for the operators working in the field of energy efficiency and in the installation/maintenance of RES systems.
- Provision of **4 courses at least**, including the qualification of trainers and of operators/technicians.
- **Dissemination of a certification model** for competences obtained through formal, non-formal and informal learning, leading to a national qualification system in line with the rest of Europe.
- Elaboration of procedures for the certification of **training centers** to acquire the practical skills..
- Realization of a **voluntary quality label**, in order to identify the companies employing qualified/certified workers according to the certification scheme set up through the project activity.

Last but not least, we hope that **BRICKS** will increase the competitiveness of Italian companies and the mobility of construction workers in Europe.