

7 | DECEMBER 2023

SEETHESKILLS NEWS



Sustainable Energy Skills in construction: Visible, Validated, Valuable



Standing in front of the challenge for energy-efficient construction and acting at a market level in order to stimulate the demand.

Keyword tags

Keyword #1: eRLP Tool

Keyword #2: POE Tool

Keyword #3: STS Free Webinars

Keyword #4: SEetheSkills Digital Badge

Keyword #5: SEetheSkills Certification

Keyword #6: SEetheSkills Integrated Register

IN THIS EDITION

STS call for free on-line Webinars

What is recognition of previous knowledge and skills? The concept for the digital e-RPL tool

POE-Post Occupancy Evaluation web tool

Contact us

SEetheSkills call for free on-line Webinars

We are glad to inform you that the first call for registration at the FREE SEetheSkills webinars is open now!

The platform is fully accessible across all modern Internet browsers, including Internet Explorer, Edge, Chrome, Safari, Firefox, and on most devices, meaning you can learn anytime anywhere.

So what does anytime anywhere actually mean? The SEetheSkills Learning Management System (LMS) is a central on-line platform with a search feature to find the course you need in English or in your national language when available. The structure is modular; you can either take the full series of courses or just those that are useful to you.

You study when you can, there are no dates and deadlines. You can just take the needed training when it is best for you and decide when to take the exam and get certified.

This means that you learn through an easy-to-use intuitive Moodle based platform. On this platform you can access the training material, view, complete and submit assignments. You can contact the trainer and talk to your classmates, and at the end of the course prepare and sit the exam.

Once you enroll in the course you want, you can then access the training material. There are slide decks recorded as video presentations, reading material, self-assessment quizzes after each course topic to support you throughout your training. You can check your progress visually whenever you like. You can also join the discussion forums of the course or courses you have enrolled in, to talk to your classmates, ask your trainer questions and get tailored support.

Each training course finishes with a final qualification exam to get the certification. Before attempting your qualification exam, you can practice and once you're ready, you can sit your multiple-choice Q&As exam online.

Once you've finished the training course, your updated skillset can be officially certified, providing EU-wide visibility and recognition of your acquired competence.

With every exam you pass, you build up your SEetheSkills Professional certification license for EU, a publicly available record of your skills in your sector, a passport to a better business, digitally available in the form of a Digital Badge.

Come and visit the SEetheSkills LMS platform today and find the right course for you.

The registration form is accessible through project website, from the **Tab of e-Learning platform** or via the **following [registration link!](#)**

The call enables registration on some (or all) of the 4 webinars, ready at the e-learning platform:

- Design of PV systems in buildings
- Installation of PV systems in buildings
- BIM basics (Effective Coordination and Clash-Detection Processes in Pre-Construction Phase)
- Effective Data Collection for Digitization of Existing Assets

The webinars are self-paced micro-learning training pieces, including 3 topics each (video presentation, reading material, ppt, self evaluation quiz) and the final exam leading to certification.

A successful completion of the webinar will lead to the receiving

SEetheSkills Digital Badge



and a public promotion through

the **Professionals register** within SEetheSkills Integrated register of energy skills.

The **Professionals** listed in the register will receive a **Digital badge** that will include each skill, knowledge and competence that a worker has ever gained, it will contain an information on the education of the worker in formal and non-formal form with the list of trainings, and moreover this personal skills' passport will have levelled all the achieved learning outcomes

What is recognition of previous knowledge and skills?

The process of Recognition of Prior learning (RPL) aims to enable both recognition and validation of the knowledge, skills and competences acquired through nonformal or informal learning. It is a process by which the candidate's existing knowledge and skills, regardless of the way they are acquired, are evaluated and validated in relation to the required competencies that a given occupation should contain. Competences may be in accordance with national occupational qualifications or accredited training programmes.

According to the EU Report on the Progress of the Non-formal and Informal Learning Process 2012 and the Recommendations of the Council of Europe, the process of non-formal and informal learning validation is defined as:

Validation of non-formal and informal learning enables candidates to demonstrate knowledge acquired outside formal education and training and to apply this learning in their careers and further education.

Benefits

Candidates who have acquired experience, skills and knowledge but do not have a formal certificate of competence are often unable to benefit from their competences and often need unnecessary training to obtain qualification and formal proof of their abilities. Through the process of Recognizing of Previous Knowledge and Skills as a tool for validating non-formal and informal learning, a review and evaluation of the past experiences of the applicant (acquired either through previous nonformal training or informally in everyday life, at the workplace, through professional activities, hobbies or self-study) is conducted. It is a process by which the results of nonformal and informal learning will be recognized, validated and valued.

BENEFITS



RECOGNITION of previous knowledge and skills offers multiple benefits to both candidates and employers.

What is recognition of previous knowledge and skills?

RECOGNITION of previous knowledge and skills offers multiple benefits to candidates because:

- Ø Candidates get the opportunity to certify their knowledge and skills in a quick and easy way
- Ø There is no time and financial cost to carry out unnecessary training
- Ø It enables professional and personal development of the candidate
- Ø It enables career advancement
- Ø Increases employment opportunities
- Ø Having a certificate increases the competitiveness and value of the person on the labour market

The procedure for recognition of previous learning is a very robust process, involving collection of a lot of documents, and also it creates a huge number of printed reports after the evaluating sessions. Therefore, in the light of the global trend and need for intense introduction of ICT and smart tools in each segment of life, we are proposing a digital tool to replace or adjust this process and to enable simplification of the whole procedure.

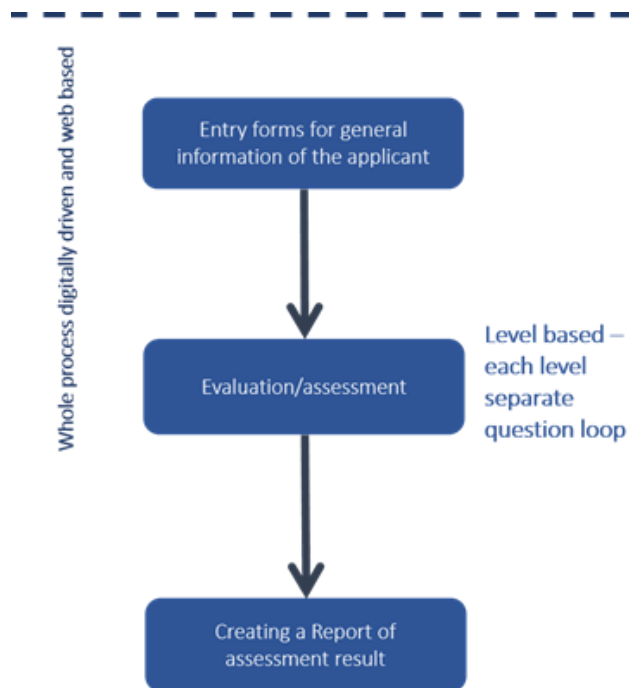
The BENEFITS for employers are also significant:

- Ø Effective identification of employee skills
- Ø Helps identify new skill needs
- Ø Reducing the time needed to train employees to reduce duplication in learning
- Ø Increased motivation and interest in the work of employees
- Ø Developing new ideas and opportunities for company development as a result of positive employee reflections
- Ø Increasing the competitiveness of companies employing validated personnel



The concept for the digital e-RPL tool

The development of a digital tool for the implementation of the process of validation of skills, through the procedure of recognition of prior learning, is based on the well-thought, predefined concept. The aim of the concept is to enable and ensure a well-defined running of the process, with determined outputs and clear consecutive actions, resulting in the decision-making loop. The whole idea is based on harvesting the advances of digital technologies and the availability of a user-friendly applications for application processes, that can be easily used by ordinary people as applicants in the process.



The tool aims to gather all the necessary data, documents and information about the professional background of the applicant, that will serve to further certify the competencies and skills of the applicant. For this reason, at the very beginning of the process, the information phase will be of great importance, in order to give all the necessary information about the whole process, and to inform about the required documents and prove that the applicants will have to prepare for the process. In the application phase, all the data are provided by the applicant into the system. The process is developed in a user-friendly platform so that the questionnaire is explicitly formatted and navigated through the process.

The application phase consists of the entry forms prepared for the applicant, where all the necessary data and documents, as proof for the obtained knowledge, skills and competencies, will be required to be introduced by the applicant. So this phase needs dedication by the applicant, to provide the necessary set of documents, that will be in line with the minimum requirements for positive evaluation in the further steps.

In the third phase of the e-RPL process, the assessment and evaluation of the documents take place. This part of the process is the one, where the assessors and evaluators are mainly involved.

The whole idea in developing the digital tool for ease of the process of recognition of prior learning, in fact is laid on the idea to digitalized also the process of evaluation. With the proposed procedure, the developed e-RPL tool offers this possibility. The assessment procedure is designed to run in consecutive cycles for each competence level separately. And the procedure will be iteratively repeated for the number of competence levels that are defined for certain occupational standards.

The competence levels for the occupational standards were previously defined in the document D4.1. Defined procedure and minimum criteria for mutual recognition, comparison and leveling of EE skills based on defined qualification standards. It is based on the 5-level system of competencies used in the TRAIN4SUSTAIN Competence Quality Standard.

The possibilities of the developed application

Two applications are developed:

- e-RPL digital tool to enable the certification process of the competencies acquired through previous learning and
- mobile application for SELF-EVALUATION, that benefit the professionals to make self-assessment on the skills

Both applications are based on the same procedure and thus support for implementation of the process of recognition and validation of previous knowledge and skills acquired in non-formal and informal education



The developed application offers validation of skills for 16 different occupations in the construction sector:

- DESIGNER OF PV
- INSTALER OF PV
- DESIGNER OF WINDOW/DOOR SYSTEMS (CARPENTER)
- INSTALLER OF WINDOW/DOOR SYSTEMS (CARPENTER)
- DESIGNER OF HEAT PUMP SYSTEM
- INSTALLER OF HEAT PUMP SYSTEM
- DESIGNER OF SOLAR THERMAL SYSTEMS
- INSTALLER OF SOLAR THERMAL SYSTEMS
- ENGINEER SPECIALIZED IN THERMAL INSULATION OF BUILDING ENVELOPE
- INSTALLER OF THERMAL INSULATION OF BUILDING ENVELOPE
- ENGINEER FOR DESIGN OF ELECTRICAL INSTALLATIONS FOR ENERGY-EFFICIENT LIGHTENING
- INSTALLER OF ELECTRICAL INSTALLATIONS FOR ENERGY EFFICIENT LIGHTENING
- ENGINEER FOR DESIGN OF HVAC SYSTEMS
- INSTALLER OF HVAC SYSTEMS
- ENGINEER SPECIALISED FOR ENERGY AUDIT AND ENERGY PERFORMANCE OF BUILDINGS
- OPERATOR OF BIM SYSTEMS

The section of the e-RPL application where the candidates may declare their competences in selected occupations (for which e-RPL process is currently available) is organised as well guided process, asking to declare the familiarity with the knowledge and skills, defined as a standard amount of competences for a certain level of competence, in the form of defined Knowledge (What should I know?) and Skills (What skill should I have?) for each level of competence.

Here the applicant need to upload all the documents that may serve as proves for thier skills and competences. This may include diplomas from formal education (secondary school, university etc.), certificates from trainings, document proving work experience, acknowledgements and recognition awards – any written prove that confirms your skills and competences. The process will require patience by the applicant and dedication to try to give as much as possible relevant proves for their previous knowledge and skills, that may lead to successful evaluation and receiving a certificate on the competences.

In the next phase the Evaluation Committee in the frame of the Certification Body of SEetheSkills will evaluate the applications and will provide the applicants with further information about the evapuation results. The eventual positive evaluation will lead to validation of the skills and issuing a Certificate and SEetheSkills Digital Badge showing the skills. The public promotion of the skilled professionals is also one of the advantages of SEetheSkills certification and is organised through the Professionals register within SEetheSkills Integrated register of energy skills.

Visit SEETheSkills e-RPL digital application [here](#)>>
To make your skills VISIBLE, VALIDATED and VALUABLE

POE-Post Occupancy Evaluation web tool

The text describes the development of a Knowledge HUB as part of the project website related to BUILD UP skills initiative, featuring a web tool named POE (Post Occupancy Evaluation) available in upgraded version on the following link at <https://poe.seetheskills.eu>

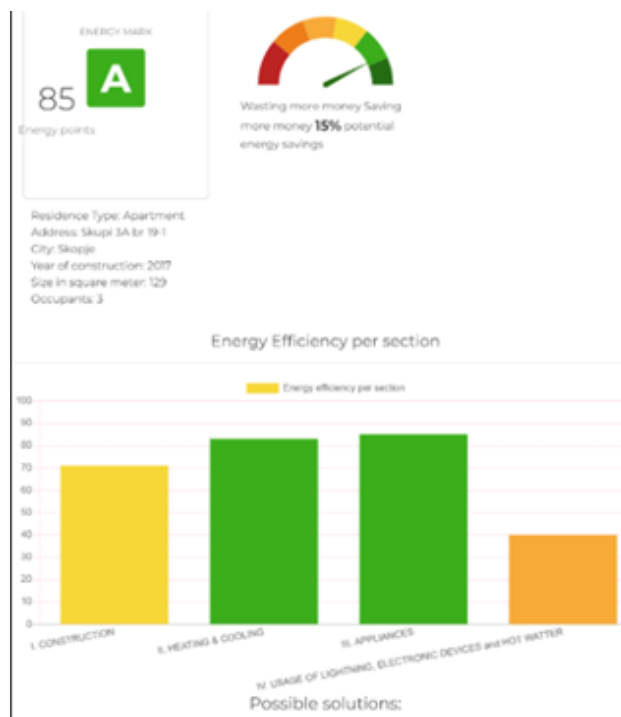
The adjusted post-occupancy methodology (POE) is a way of providing feedback about a building after occupancy and to identify energy performance gap.

POE Web tool includes questionnaires for users to improve energy efficiency in their homes based on their responses regarding 4 types of questions: 1) Building info; 2) Heating & Cooling info; 3) Appliances; 4) Lighting and behavior;

This web-tool can serve you, building end user, as a tool to assist you in choosing the needs and preferences, as few or as many of the areas identified in the generated report. Whether your choice is:

- a) To do a basic check of your building through the Questionnaire for detection of potential causes for existing energy performance gap
- b) Review your occupation approach and change behavior, or perform small investments in order to decrease the energy performance gap and to increase the comfort, or
- c) To use this toolkit for decision making process of your need to perform energy audit with deeper analysis for the causes of energy performance gap

- the POE web application has gained recognition as an energy self-assessment tool that households may utilize to identify spots of inefficiency in their homes and receive guidance on how to enhance energy efficiency. One advantage of the tool is that it allows for the creation of an unlimited number of surveys, which can be customized to suit the area or requirements of the surveyor.



The updates of the POE web tools were implemented due to some local representatives requested improvements and new functionalities for the POE Web tool that will fit their needs. Therefore, previous limitations included related to visibility of questionnaire results (only numbers for the admin, lacking details on specific questions, locations, or user habits) are overcome. The need for a dedicated user role, "Data Analyst," is highlighted to analyze and visualize questionnaire data for municipalities, cities, energy manager, energy planners etc.

Follow and contact us



@seetheskills



info@seetheskills.eu



SEetheSkills – EU Project



https://seetheskills.eu



SeeTheSkills Project

Coordinated by



Economic Chamber of North Macedonia



Ss Cyril and Methodius
University, North Macedonia



WITS Institute SLU -
BIM Academy, Spain

Univerza v Ljubljani



University of
Ljubljana, Slovenia



Slovak chamber of Civil
engineers, Slovakia



Association of business
and consultancy, North
Macedonia

ITeC

The Catalonia
Institute of Construction
Technology



Slovak University of
technology, Slovakia



Chamber of commerce and industry of
Slovenia, Slovenia

ISSO

Stichting ISSO,
Netherlands



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 101033743

For more information on SEETHESKILLS contact

Project Coordinator - Jadranka Arizankovska, High Counselor
Directorate of Branch Associations and Regional Chambers Economic
Chamber of Macedonia
Str. Dimitrie Chupovski 13, Skopje, Macedonia
T: (+389) 23 24 40 38
F: (+389) 23 24 40 88
M: (+389) 72 23 67 11
E: jadranka@mchamber.mk
W: www.seetheskills.eu