

“Electrical engineers vocational education transparency - ELEVET”

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WP5 – Report of operational testing performed in Poland from the first completed pilot course ” Power energy Engineering” in SEP, organized and realized according to the terms of ELEVET project

Between 21 and 25 October 2013, the first (40 - hour long) pilot course took place. It was conducted according to the terms of ELEVET project within exploitation of electrical devices and installations up to 1 kV (“Power Engineering”). The course was organized and realized by Publishing and Training Division SEP (COSiW). 21 electricians from many companies took part in the course in order to obtain professional competences after passing the final exam.

The content of the course concerned the following area:

1. Legal regulations according to the performance of electrical profession,
2. The basics of electrotechnics,
3. The basics of professional drawing and work documentation,
4. The conversancy of electrical materials,
5. Protection against electrical shock at work on electrical installations,
6. Practical training on set up of the installations and failure findings,
7. Occupational safety and health within electrical devices, installations and power grids, protection against electrical shock,
8. Soft skills,

According to the terms of ELEVET project, participants of the course were asked to complete three questionnaires (the first one before the course, the second one after the course and the third one - satisfaction questionnaire, which also served for assessment of work of lecturers). The general and detailed conclusions of the course were gathered on the basis of these questionnaires and will serve for development of further courses.

At the end of the course two exams were conducted (internal exam and exam before the commission board - Energy Regulatory Office URE - it states the basis for obtaining the professional competences).

The conclusions of the first pilot course are as follows:

1. It is necessary to give more time to the course with the similar content as well as to its practical part. In addition, more seats should be prepared during the practical part of the course,
2. The vast majority of participants emphasized the need to teach soft skills in the future (especially social skills related to the relationships with customers),
3. The vast majority of participants emphasized the fact that completion of the course will improve the quality of their work and will have an impact on their potential promotion,
4. The participants assessed organization of the training with the 4,9 grade (rating scale is 1 - 6) and the lecturers with the 5,2 grade (rating scale is 1 - 6), which means that

the level of lecturers and organization of the course was high and we should keep it in the future.

After the second pilot course, which is already organized in SEP, the further conclusions will be taken. These conclusions will be compared with the conclusions taken in the pilot courses in Romania (SIER) and Italy (Consel ELIS). Then, SEP will prepare the overall set of conclusions and recommendations, which will be considered within the organization of further courses in other European countries according to the terms of ELEVET project.



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