



PROCONSTR
Improving Vocational Education in the Construction Industry Sector with the aim of
Identification and Recognition Qualifications in European Union Countries 08-
LdV/TOI/02059/013.

REPORT

TEST COURSES

TESTING THE MODULES FOR CARPENTER, MASON AND PLASTERER

Organisers:

Polish Association of Construction Industry Employers
Polish British Construction Partnership Sp. z o.o.



On September 6th, 2010 the test courses for the training module for carpenters were carried out as a part of the Leonardo da Vinci PROCONSTR project – Improving vocational education in the construction sector with the aim of identification and recognition of qualifications in the European Union countries 2008-1-PL1-LEO05-02059. The training took place in the headquarters of the company DOKA Polska sp. z o.o.. Fourteen participants were students of the Z. Mączyński Secondary Technical School no. 1 in Warsaw and three were vocational tutors.



The training session was inaugurated by Mr. Paweł Miodek, the CEO of DOKA Polska sp. z o.o. During his speech (the first part of the module) he outlined to the participants the profession of a carpenter from an innovative perspective, as an interesting profession, full of possibilities of creating different architectural forms thanks to the application of various formwork systems.

The next part of the workshops was dedicated to the practical training session and to the presentation of the technology, innovations and the manual. The workshops were conducted by Mr Michał Fabijanek.



The introductory lecture covered a detailed presentation of the rules concerning construction, service and assembly of self climbing formworks as well as a brief description of other similar systems. The students were taught the rules on how to use these systems and how they operate. A lot of attention was given to the presentation of binding rules concerning the safety at work during the assembly and the construction of formworks. A film showed to the participants was a visual presentation of the assembly methods and of the formwork systems usage. The entire lecture was based on the presentation attached to the module.

The second part of the course was dedicated to a practical training session. The students together with their tutors entered the assembly hall where they were shown how the formworks are assembled on the assembly table. Under the supervision of the tutors, the students, divided into groups, were supposed to assemble the formworks on the basis of the design project. The tutors followed attentively the assembly process and the training session supervisors made their comments.



The training module for carpenters proposed within the framework of the PROCONSTR project has met with a positive response from the students and the vocational tutors. High notes given in the questionnaire are a proof that the manual and the training session have been positively evaluated by both, the students and the tutors. “Logical and clearly formulated manual” – such was the opinion of tutors participating in the training.

On September 7th, 2010 the test courses for the training module for masons were carried out in the Center of Vocational Training (*Centrum Szkolenia Zawodowego*) in Warsaw. All thirty participants were students from the Z. Mączyński Secondary Technical School no. 1 in Warsaw. Mr. Paweł Nowak, PhD. Eng., from Polish British Construction Partnership sp. z o.o. representing the project consortium



outlined to the students the assumptions and the objectives of the PROCONSTR project. The students also received the vocational modules prepared for masons.



After a brief introduction, the training was conducted by Mr Tomasz Rybarczyk from the company SOLBET sp. z o.o., the author of the manual. The workshops were divided into two parts. The first theoretical part consisted in a lecture on

general rules of masonry techniques related to the use of gas aerated concrete, dry and thermal mortars, conditions of work and the regulations concerning workplace safety. The lecture was supplemented by a presentation, which brought about the discussion on the most important issues. The students learnt what are the advantages of using such system and how that innovative construction method is put into practice. The guidelines for masonry techniques were included in the manual and were also presented in a short film showing all steps that a mason has to make when working with dry mortar.



The second part of the workshops was dedicated to a practical training session. The beneficiaries went to the training hall, where the trainers showed them how the system works in practice. The students expressed a lot of interest in the presentation. What attracted them the most was the possibility of an easy application of the system to the masonry works.



On September 8th, 2010 the test courses for the training module for plasterers were carried out in the Center of Vocational Training (*Centrum Szkolenia Zawodowego*) in Warsaw. All twenty five participants were students from the S. Bryła Secondary Technical School no. 5 in Warsaw. Mr. Paweł Nowak, PhD. Eng., from Polish British Construction Partnership sp. z o.o. representing the project consortium outlined to the students the assumptions and the objectives of the PROCONSTR project. The students also received the vocational modules prepared for plasterers. Mr Nowak presented briefly the content of all 8 manuals.

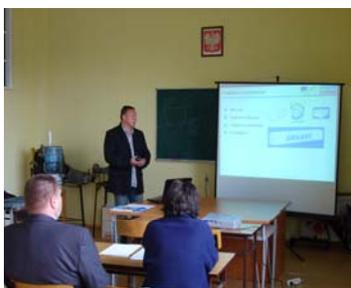


The manual for plasterers was presented in details in a way that would be followed during the future courses carried out after the end of the Project. The discussion focused on the main rules concerning plasterers' work and legal regulations governing the profession of plasterers in some of the European countries. The most important issues concerning to the protection against radiation as well as to the method of production of barite plasters and the anti-radiation protection shields made by the company Knauf were discussed in details.

The second part of the workshops was dedicated to a practical training session. The beneficiaries entered the training hall, where Mr Krzysztof Śmielak from the company Lekta presented in details all steps of making barite plasters.



On September 9th, 2010 the test course for vocational tutors was carried out. The training was dedicated to the module for masons. The students showed such an interest in that workshop, that the organisers decided to allow the students to stay and listen. The first part of the training focused on the presentation of the theoretical part of the module for masons.



Following the scheme of trainings for students, the organisers dedicated the second part of the training to the practical application. During the presentation the participants could try the new plastering method on their own.

The tutors greatly appreciated good organisation and high quality of the training as well as the scheme and the content of the module.



On September 10th, 2010 the test courses for vocational tutors in the field of plasterworks were carried out in the Center of Vocational Training (*Centrum Szkolenia Zawodowego*) in Warsaw. The 8 participants were teachers from secondary technical schools in Warsaw. Mr. Paweł Nowak, PhD. Eng., from Polish British Construction Partnership sp. z o.o. representing the project consortium outlined to the teachers and the students idea of the PROCONSTR project. They also received the vocational modules prepared for plasterers. Mr Nowak presented briefly the content of all 8 manuals.

Just as the other day, the manual for plasterers was presented in details in a way that would be followed during the future courses carried out after the end of the Project. The discussion covered all important parts of the manual. Mr Paweł Nowak also gave a detailed description of the manual for tutors, which will be used within the framework of future courses as a methodological base.



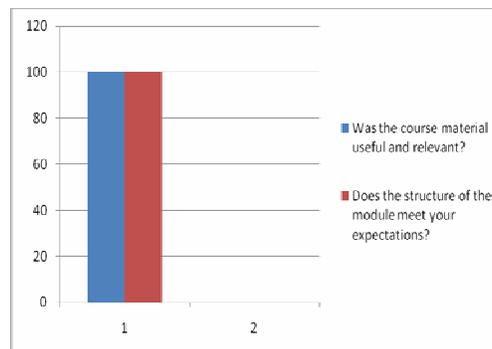
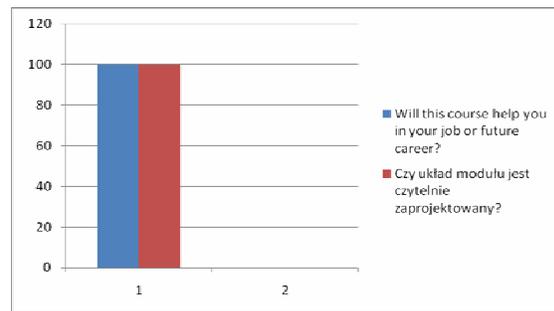
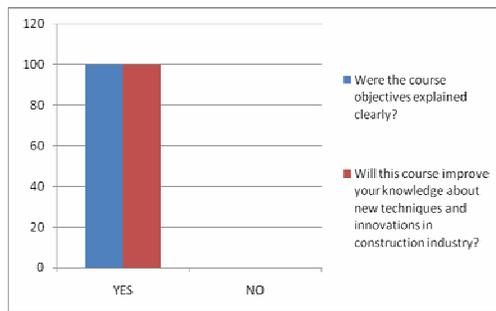
According to the opinions expressed by the teachers, in the future the manual can serve as a supplement to an already existing curriculum in construction schools.

The second part of the workshops was dedicated to a practical training session. The beneficiaries went to the training hall, where Mr Krzysztof Śmielak from the company Lekta presented in details all steps of making barite plasters. The students could try on their own to use the heavy barite plaster.



In conclusion, all trainings have met with a lot of interest from the beneficiaries. The questionnaire carried out among the participants showed all three training programs to be evaluated as excellent and as giving tangible benefits with regards to the necessary knowledge related to innovations in the construction sector not only in Poland, but also in other European countries.

Please find below the results of questionnaire distributed among the participants during all three training sessions. As the diagrams shows, the training has met with a very positive response from the project beneficiaries.



Already during the preparatory stage the teachers and the school headmasters expressed their will to introduce the above mentioned vocational modules as a supplement to their curriculums.

Every participant has filled a declaration of a voluntary participation in the training and signed the presence list. Moreover, each guest received a booklet of didactical materials related to the presented subject.