



WeldTrain- HSE (Health, Safety and Environment)

Special Pilot Course

Health and Safety and Environment in Welding*

General objective

The overall aim of the WELD TRAIN project is to harmonize training and qualification of technical personnel (managers, engineers, technicians and foremen) with different responsibilities in fields like environment, health and safety management in welding, and so the main aims of the project are:

- development of professional competence for personnel with responsibility in environment, health and safety management in welding by training and education in a European harmonized system;
- proving the professional competence of personnel by using an uniform examination system followed by qualification and issue of a diploma.

One of the aim of the project was to organize **two pilot courses** (in Poland and in Romania), to test the developed materials.

The courses were implemented in the last September, for two days, for a total of 16 hours of training. The courses were developed in the headquarters of National R&D Institute for Welding and Material Testing - ISIM Timisoara (Romania) and of Instytut Spawalnictwa - ISPL Gliwice (Poland).

* This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





Trainers and participants info

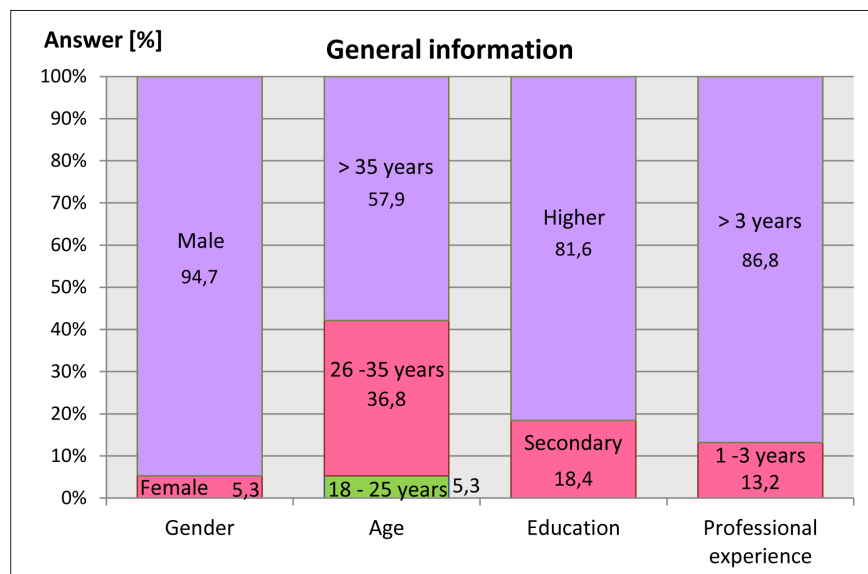
The courses were performed by highly experienced trainers, belonged to ISIM, ISPL and also to external reality, connected to health and safety sector.

In Romania the pilot course was performed by dr. eng. Victor VERBIȚCHI (ISIM) and eng. Horia DAȘCĂU (ISIM); in Poland by dr. eng. Jolanta Matusiak (ISPL), dr. Stanisław Marzec (Institute of Occupational Medicine and Environmental Health), M.Sc. eng. Tadeusz Świerkosz (Safety manager, Air Products) and M.Sc. eng. Joanna Wyciślik (ISPL).

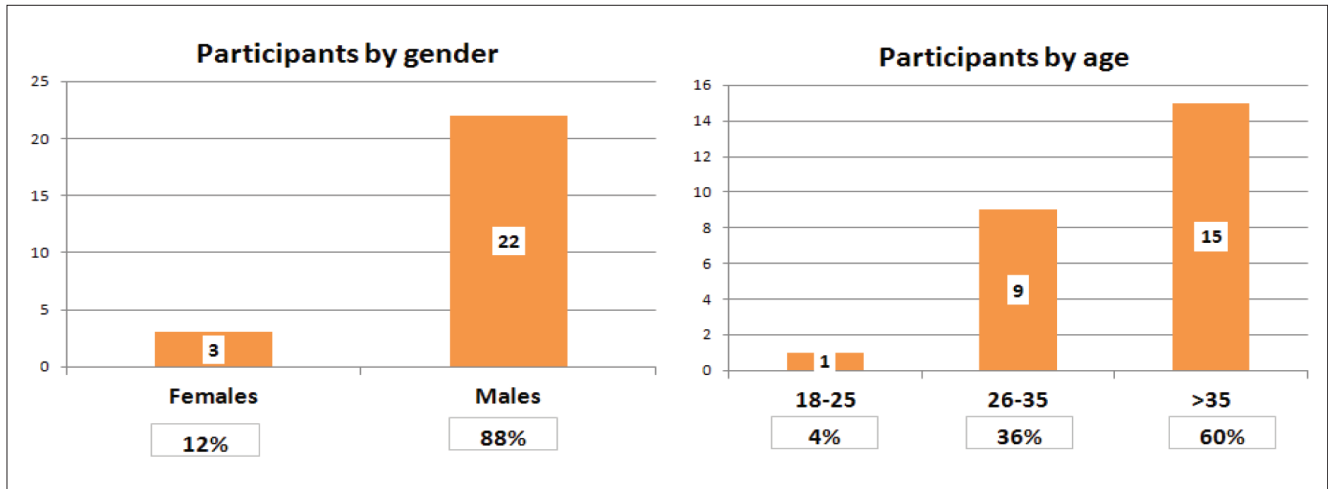
The pilot courses were attended by 25 participants for ISIM and 45 for ISPL (40 people from industry and 5 workers of ISPL). The female presence was in both cases almost 5% and the majority of participants were over 35 years old.

The Course topics

1. Definition and types of hazard
2. Chemical hazards in welding
3. Physical hazards in welding
4. Mechanical hazards
5. Musculoskeletal disorders
6. Electric shock hazard
7. Other hazards
8. Hazards connected with welding-allied processes
9. Personal protective equipment
10. Risk analysis
11. Fire and explosion hazards
12. Compressed gases
13. Hazardous atmospheres
14. Welding in confined spaces
15. Ventilation
16. Hazards' management
17. List of standards relevant to Health, Safety and Environment



ISPL



ISIM

Evaluation of pilot course

The evaluation of pilot course has foreseen two different levels:

Evaluation by the participants.

External evaluation.

The results showed that the general satisfaction was very high, and the participants showed very interested in the dealt topic and the need to organise courses connected to health, safety and environment during welding and allied process among companies.

The course material developed in the project was very appreciated and some participants stayed that they will use it in their professional life.



Further information can be found at: www.hseweldtrain.org and Facebook WeldTrain - HSE page.