HS-EMFW

HEALTH & SAFETY IN ELECTROMAGNECTIC FIELDS IN WELDING

Health and Safety in Electromagnetic Fields in Welding

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Project data

- Duration: 2 Years (Start on 1st December 2015)
- Project-coordinator: Schweißtechnische Zentralanstalt (SZA, Austria)
- Projectpartner:
  - Instituto De Soldaura E Qualidare (ISQ, Portugal)
  - European Federation For Welding Joining And Cutting AISBL (EWF, Belgium)
  - Istituto Italiano della Saldatura Ente Morale (IIS, Italy)
  - HighSkillz Limited (HighSkillz, UK)
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Motivation

Directive 2013/35/EU

Replaces the Directive 2004/40/EC

Definition of the **minimum requirements on health and saftey** regarding the exposure to **electromagnetic fields**

Mandatory after 1 July 2016

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Objectives

The Erasmus+ project HS-EMFW aims to help companies to address this challenge, by developing a harmonized training course of personnel involved in the risk creating the **Electromagnetic Fields Heath and Safety Officer in Welding (EF-HSOW)** professional profile.

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Objectives

- Create a new professional profile: Electromagnetic Fields Health and Safety Officer in Welding (EF-HSOW);
- Reach a harmonized standard of qualification in the risk assessment of electromagnetic fields in the welding sector, aligned with the new EU directive, to promote mobility of specialists in Europe;
- Promote language learning and linguistic diversity trough the provision of a multilingual curriculum and pilot training sessions;
- Implement ICT new learning opportunities, via the development of an innovative ICT training solution

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Intellectual Outputs

- O1: Common State of the Art Report
- O2: Electromagnetic Fields Health and Safety Officer in Welding Curricula
- O3: National adaptation and translation of the Curricula
- O4: National Implementation Guideline for the Electromagnetic Fields Health and Safety Officer in Welding Curricula
- O5:Guide for implementation of HS-EMFW methodology to other industrial sectors influenced by the Directive 2013/35/EU
- O6: European Recommendations
- O7: Operational ECVET Kit
- O8: Innovative ICT training solution

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The Curriculum

- Introduction
- Topic 1: EMF basics
- Topic 2: The Directive 2013/35/EU, including National Law
- Topic 3: Equipment & Software
- Topic 4: Welding Technology
- Topic 5: EMF risks and their reduction
- Practical Exercises and Example Risk Assessment
- Examination (for a Record of Achievement)

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Multiplier Events

Industry Awareness National Event in Austria, Italy and Portugal

Hands-on Approach Seminar in Austria, Italy and Portugal

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Results

- Curriculum for EF-HSOW
- Trainingsmanual in English, German, Italian and Portuguese
- Questions- Database in 4 languages
- National Implementation Guideline in 4 languages
- Guide for implementation of HS-EMFW methodology to other industrial sectors influenced
- European Recommendations
- Operational ECVET Kit
- Innovative ICT Trainings Solution ***WeldZone*** in 4 languages

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Results:

All results are soon available on our project- homepage

www.hs-emfw.com

Thank You for Your attention!

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