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## MAKE IT - European Welding Practitioner qualification (English)

Thank you for participating in our survey. Your feedback is very important!

The European Federation for Welding, Joining and Cutting (EFW) is a representative of the manufacturing community in Europe - along with its 31 European members, the National Welding Institutes – working in training and education in the field of welding technologies.

This survey, in the framework of the MAKE IT Erasmus+ project, is targeted at VET schools, industrial companies, associations of companies and public bodies. Its objective is to understand the industry needs when employing a welding professional, while contributing to improve the curriculum quality of the European Welding Practitioner.

EFW's network provides training for the European Welding Practitioner qualification, offering knowledge in the field of welding technology. This professional, already with welding experience, can act as a foreman, responsible for overseeing the day-to-day working process and activities of the workers in a metal fabrication factory, and supervising basic welding applications and related personnel.

This survey takes about 3 minutes to fill. If you want to know more about the MAKE IT project, please visit [www.makeitproject.eu](http://www.makeitproject.eu)



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## MAKE IT - European Welding Practitioner qualification (English)

**\* 1. Please select your country from the dropdown list:**

**\* 2. How many employees does your organization currently have?**

**\* 3. Please select the category(s) that best applies to your organization.**

- VET Provider
- Company
- Association of Industrial Companies
- Public body
- Other (please specify)



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## MAKE IT - European Welding Practitioner qualification (English)

**\* 4. Please select the role that best applies to you.**

- Managing Directors and Chief Executives
- Business and Administration Professional
- Vocational Education Teacher
- Trainee
- Other (please specify)



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## MAKE IT - European Welding Practitioner qualification (English)

**\* 5. Please select the role that best applies to you.**

- Manager
- Engineering Professional
- Welding Professional
- Other (please specify)



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## MAKE IT - European Welding Practitioner qualification (English)

**\* 6. Please select the role that best applies to you.**

- Manager
- Science and Engineering Professional
- Business and Administration Professional
- Other (please specify)



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**\* 7. Where does your welding experience come from?**

- Machinery repair and maintenance
- Sheet metal work manufacturing
- Construction machinery manufacturing
- Aircraft manufacturing and repair
- Fabricated structural metal manufacturing
- Ship building and repair
- Oil and gas machinery and equipment manufacturing and repair
- Agriculture machinery and equipment manufacturing
- Building construction
- Railroad manufacturing
- Rail transportation vehicles and equipment manufacturing and repair
- Automotive manufacturing and repair
- Metal tank, heavy gauge, manufacturing
- Ornamental and architectural metal work manufacturing
- Water and sewer system construction
- Power boiler and heat exchanger manufacturing
- Truck trailer manufacturing
- Metal container and reservoir manufacturing
- Oil and gas pipeline construction
- Special tool, die, jig, and fixture manufacturing
- Mining machinery and equipment manufacturing
- Industrial valve manufacturing
- Motorcycle, bicycle, and parts manufacturing
- I have no welding experience
- Other (please specify)

**\* 8. What is your professional Qualification / Certification?**

- Journeyman Certificate as welder
- Journeyman Certificate in other metalworking profession
- Other (please specify)







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**\* 9. Does your organization provide training in welding technology?**

- Yes
- No
- Don't know

**\* 10. Does your organization provide training according to EWF's system?**

- Yes
- No
- Don't know

**\* 11. Does your organization train personnel on the European Welding Practitioner profile?**

- Yes
- No
- Don't know



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## MAKE IT - European Welding Practitioner qualification (English)

**\* 12. Please select the economic subsector(s) that fit your company's activity:**

- Aeronautics
- Automotive
- Chemicals
- Construction & Engineering
- Defence industries
- Electrical and electronic engineering
- Food & Beverages
- Maritime
- Power
- Pressure equipment and gas appliances
- Raw materials, metals, minerals and forest-based industries
- Medical devices
- Space
- Oil & Gas
- Other (please specify)

**\* 13. Consider the following scenario for your company: you have to assign the role of shop foreman to one of your employees, with the task of coordinating the welding operations of other welding personnel. Do you prefer to:**



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\* 14. In your opinion, does the European Welding Practitioner profile fit the current labour market needs?

- Yes
- No
- Don't know.

15. If you answered No previously, what competencies/activities are missing or should be changed?

\* 16. Do you agree that the relative weight between theory and practice in the current Welding Practitioner training programme is adequate?

- Strongly disagree      Disagree      Neutral      Agree      Strongly agree      Don't know
- 

\* 17. Has your organization supported apprenticeships for welding trainees, providing on-the-job practical training within Apprenticeship courses or others?

- Yes
- No
- Don't know.

\* 18. What are the main reasons for supporting/not supporting on-the-job training?



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**\* 19. What technical competencies should a welding practitioner possess?**

	Yes	No
Reads and interprets manuals, figures and other technical documents provided by welding equipment and consumables manufacturers	<input type="radio"/>	<input type="radio"/>
Enforces the welding standards most relevant to the manufacturing action	<input type="radio"/>	<input type="radio"/>
Reads and interprets Welding Procedure Specifications (WPS) and Inspection and Test Plans (ITP)	<input type="radio"/>	<input type="radio"/>
Prepares metallic parts and welding joints, performing basic measurements, grindings, sawing, drilling and plate cutting operations	<input type="radio"/>	<input type="radio"/>
Analyses the necessary documentation for the qualification/certification of welders and welding operators and defines the scope of qualification/certification	<input type="radio"/>	<input type="radio"/>
Performs maintenance on welding equipment, consumables and tools	<input type="radio"/>	<input type="radio"/>

Yes

No

Identifies welding defects and enforces acceptance criteria for welding joints according to technical documentation

Gives technical support to clients on doubts related to the welding job

Performs plate, fillet and tube weld of metallic plates and tubes, according to the EWF Guidelines, standards and codes

**\* 20. What soft skills should a welding practitioner have?**

	Yes	No
Autonomy	<input type="radio"/>	<input type="radio"/>
Responsibility and commitment to perform tasks assigned	<input type="radio"/>	<input type="radio"/>
Focus on results	<input type="radio"/>	<input type="radio"/>
Teamwork: working within a team environment, cooperation, positive communication	<input type="radio"/>	<input type="radio"/>
Leadership: motivation, conflict management, communication, task delegation	<input type="radio"/>	<input type="radio"/>
Self-Motivation: define personal goals, proactivity	<input type="radio"/>	<input type="radio"/>
Openness to change: acceptance of diversity, collaboration in change	<input type="radio"/>	<input type="radio"/>
Communication skills	<input type="radio"/>	<input type="radio"/>
Problem-solving skills	<input type="radio"/>	<input type="radio"/>
Creative thinking skills	<input type="radio"/>	<input type="radio"/>

**\* 21. What other competencies must a welding practitioner possess, to respond to the labour market needs?**

Technical Skills

Soft Skills



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**22. Please write your email in case you are interested in receiving further information about the MAKE IT project.**

**23. Please provide some feedback about this survey, and any thoughts you might have about the topics addressed in it.**

**Please submit your responses to finish.**

**Thank you very much for your participation!**