

GREEN WELD Project results

WP ID	Description	Expected Deliverable
<p>WP 2 - Current Green Skills needs and Learning approaches for Welders</p>	<p>In today's rapidly evolving industrial landscape, there is a constant shortage of skilled professionals, particularly welders and welding operators equipped with green skills and a forward-thinking perspective. To address this pressing issue, education must undergo continuous improvement and adaptation in this new era of digitalization and sustainability.</p> <p>WP2 serves as the cornerstone of the GREENWELD project, focusing on a comprehensive desk research within the field of welding, with a specific emphasis on welders and welding operators. This research aims to assess the current training needs of the sector and explore various branches within it. To gather invaluable insights, we will conduct a survey involving industry stakeholders and training providers to identify the requirements associated with training future professionals in this domain.</p> <p>Following the desk research and survey implementation, a focus group comprising VET centres outside our partnership will be organized. This group will engage in discussions to analyse the key findings, validate the conclusions of our report, and identify important highlights and recommendations.</p> <p>In this phase, our primary objective is to conduct a thorough assessment of the needs associated with practical training and the qualification of welders. We will achieve this through dedicated workshops and surveys involving entities actively employing manufacturing processes as part of their daily operations. The outcomes of these activities will form the basis for the development of curricula in WP3.</p>	<ul style="list-style-type: none"> - Final Report on Current Green Skills needs and Learning approaches for Welders.



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<p>WP 3 - Development and adaptation of Welders Training programs and materials</p>	<p>Building upon the needs analysis conducted in WP2, WP3 is dedicated to the development of a comprehensive set of core green skills that encompass technologies, goods, and services. These skills will be integrated into the EWF European Welders guideline, establishing a crucial link between the welding industry and environmental protection.</p> <p>The revision of the EWF guideline will play a pivotal role in reducing the reliance on non-renewable resources within the welding profession. By incorporating general environmental education policies and green training guidelines, we aim to equip welders with the knowledge and skills needed to contribute to a more sustainable future.</p> <p>In WP3, we establish the main objectives of the newly developed modules/competence units, as well as identify existing modules that need updating to integrate green skills.</p> <p>Within the framework of WP3, we will also develop a user guide for training implementation, aligning it with relevant ISO standards for welder qualification. This user guide will provide training centres with step-by-step instructions on how to implement the EWF Welding guideline. To enhance the practical assessment process, the guide will include instructions on leveraging digital tools and innovative methods. We will ensure alignment between the user guide and the EWF Welders guideline to facilitate seamless integration.</p> <p>Furthermore, we are committed to safeguarding data protection during the assessment process, and we will thoroughly investigate and implement measures to ensure the security of the files used.</p>	<ul style="list-style-type: none"> - Competence Unit / module related to Green Skills for Welders - User Guide for Training Implementation
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<p>WP 4 - Implementation of Green Welding Certificates</p>	<p>In this work package, we are currently focusing on implementing the training course at the national level. One of the key highlights is the "Train the Trainers" event, which enables us to empower trainers with the necessary skills and knowledge to effectively deliver the revised curriculum. Our objectives for this work package include:</p> <p>Setting the Application of Green Knowledge: We aim to explore how the gaining of knowledge about new green technologies, environmental legislation, and environmental issues can be applied to technical professions.</p> <p>Recognizing Factors Affecting Green Welders: We are dedicated to identifying both internal and external factors that affect the mentality, productivity, satisfaction, and training procedures of Green Welders.</p> <p>Managing and Evaluating Training Performance: Ensuring the development and professional perspective of Green Welders are in line with the objectives of education sustainability is a top priority. We will carefully manage and evaluate their training performance and development throughout the process.</p> <p>To support the implementation of training during the pilot courses, we have developed a user guide in WP3. This guide is provided to trainers and trainees, serving as a valuable resource throughout the training. Upon successfully passing the assessment, candidates will be awarded Green Welding Certificates to demonstrate their competencies in green skills.</p> <p>The pilot courses cater to both trainees who are new to the welding profession and current welders who need training in green skills.</p>	<ul style="list-style-type: none"> - Training Courses in Spain, Denmark, and Greece (pilots) - Awarding of Green Welding Certificates
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