

iQVet

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TEACHERS PROFESSIONAL CAPACITY BUILDING PROGRAM


INSTITUT ZA VARILSTVO
Welding Institute



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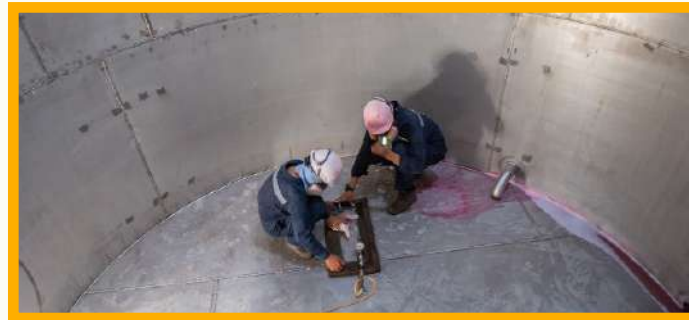
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Institut za Varilstvo d.o.o. – Slovenian welding institute

Dedicated to Advancing Welding Excellence and Materials Testing in the region

At **Institut za Varilstvo d.o.o.**, we are committed to elevating the field of welding and materials testing through comprehensive education, rigorous quality standards, and innovative approaches to training. Our mission is deeply rooted in supporting professionals and organizations within the welding industry by promoting advanced skill development, adherence to best practices, and a commitment to safety and quality. Through our educational programs, consulting services, and partnerships, we aim to make a lasting impact on both individual careers and the broader industry.



About Us: Leading the Way in Welding Education and Certification

Founded with the goal of enhancing the quality and recognition of welding professionals, **Institut za Varilstvo d.o.o.** is a trusted provider of specialized training, industry certifications, and technical consulting services for over 60 years. We have built a reputation for excellence, aligning with both national and international standards. Our approach ensures that each program reflects the latest industry needs, and our partnerships with leading European welding organizations keeps us at the forefront of technical and educational innovation.

Institut za Varilstvo provides services connected with joining of materials for over 800 companies yearly. At international level IZV is leading the world at per capita education of International welding coordinator specializations.

Our training programs serve a diverse range of professionals—from entry-level welders to welding coordinators and quality managers—providing skills for working within complex regulatory environments. In addition, our organization collaborates closely with universities and industrial partners, combining academic insights with practical expertise to deliver educational experiences that prepare our students for real-world challenges in welding and materials testing



Comprehensive Programs and Services to Meet Industry Needs in Professional Training and Certification Programs

Institut za Varilstvo d.o.o. offers a variety of specialized training programs that cater to all levels of expertise in the welding field. We provide certification for positions such as welding inspectors, technicians, and quality managers, covering critical areas including:

- **Welding Inspection and Quality Control:** Our certification programs train participants in the inspection and maintenance of welded structures, with a focus on safety, durability, and compliance.



- **Advanced Welding Techniques and Procedures:** These courses are designed for experienced welders looking to expand their skillset with specialized techniques and up-to-date practices



- **Quality Management in Welding:** Aimed at professionals responsible for overseeing welding operations, this program provides training in quality assurance, process control, and compliance with industry standards.



Each program emphasizes both theoretical knowledge, skills, competences and practical applications, preparing our graduates to excel in a rapidly evolving industry.



OUR EDUCATION QUALITY

Responding to Industry Challenges with Innovation and Adaptability

The welding industry faces ongoing challenges, including a growing need for skilled professionals, advancements in technology, and increasing regulatory requirements. Institut za Varilstvo d.o.o. addresses these demands through innovative training methodologies and continuous program updates. Our commitment to quality education means that our curriculum incorporates the latest advancements in welding technology and aligns with global standards, including those set by the European Welding Federation and the International Institute of Welding.

To better serve the industry, we also emphasize **work-based learning (WBL)**, allowing students to engage with real-life case studies, hands-on projects, and competency-based learning. This approach ensures that graduates are well-prepared to meet the practical demands of their roles and adapt quickly to new challenges.

Ensuring Education Quality and Real-World Application

At Institut za Varilstvo d.o.o., we are dedicated to maintaining the highest standards of educational quality. We regularly assess our programs through detailed feedback, continuous improvement, and alignment with industry standards. Our quality assurance measures include:

- **Comprehensive Course Evaluation:** Following each training session, participants complete evaluations that provide insights into both the strengths and areas for improvement. This feedback is invaluable in refining our curriculum and maintaining relevance.
- **Expert-Led Instruction:** Our instructors are experienced professionals who bring real-world insights into the classroom and workshops. Their extensive industry knowledge enriches the educational experience, connecting theory with practice.
- **Practical Learning Opportunities:** Students engage in hands-on activities, including project simulations, inspections, and welding tasks, ensuring they develop both technical skills and a strong understanding of safety standards.

OUR MAJOR BENEFITS

Work-Based Learning (WBL) enhancement in Practice

Our WBL approach allows students to work directly with authentic industry projects. Through this, participants develop problem-solving skills and gain a practical understanding of concepts like weld strength, joint behavior, and the selection of appropriate materials and techniques. Through practical lectures participants are repeating again and again the needed theoretical knowledge by applying the the **Brunner curve** principle.





THE ROAD AHEAD

Greening the courses

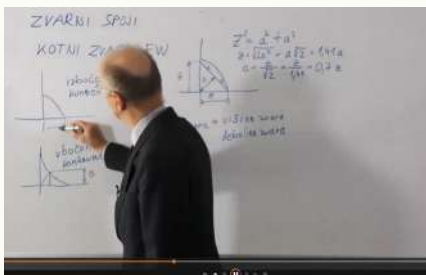
To all our welding courses we have added virtual welding principles and on last year augmented reality welding systems (AR). We have analyzed maximal possibilities of use AR for each single lecture. In the last modification of the courses achieved through the IQVET project we are using **dynamic curricula** with use of **augmented reality** system use according to each participants prior knowledge and skills (RPL).

Vision for the Future: Expanding Access to Quality Training

Institut za Varilstvo d.o.o. is dedicated to expanding access to industry-leading training through partnerships, innovation, and a forward-thinking approach. Our plans include:

- **Developing Competency-Based Units:** We aim to restructure our courses to include Competency Units (CUs), allowing participants to gain targeted competences, skills and knowledge in specific areas of welding and quality management.
- **Development of additional Digital Learning Tools:** We are integrating online learning resources, such as instructional videos and interactive materials, to complement our in-person courses and provide flexible learning options.

Distance learning by Zoom and Moodle:



Strengthening International Collaboration: By partnering with global organizations, we ensure our training programs are aligned with international standards, supporting the mobility and competitiveness of our graduates

Join Us in Shaping the Future of Welding and Materials Testing

Whether you are an aspiring welding professional or an organization seeking expert guidance, **Institut za Varilstvo d.o.o.** is your trusted partner in achieving excellence. Our comprehensive educational programs, industry connections, and commitment to quality make us an ideal choice for those who aim to excel in welding and materials testing.

For more information, visit us at www.i-var.si or contact us directly. Together, we can build a brighter future for the welding industry, grounded in skill, quality, and innovation.

