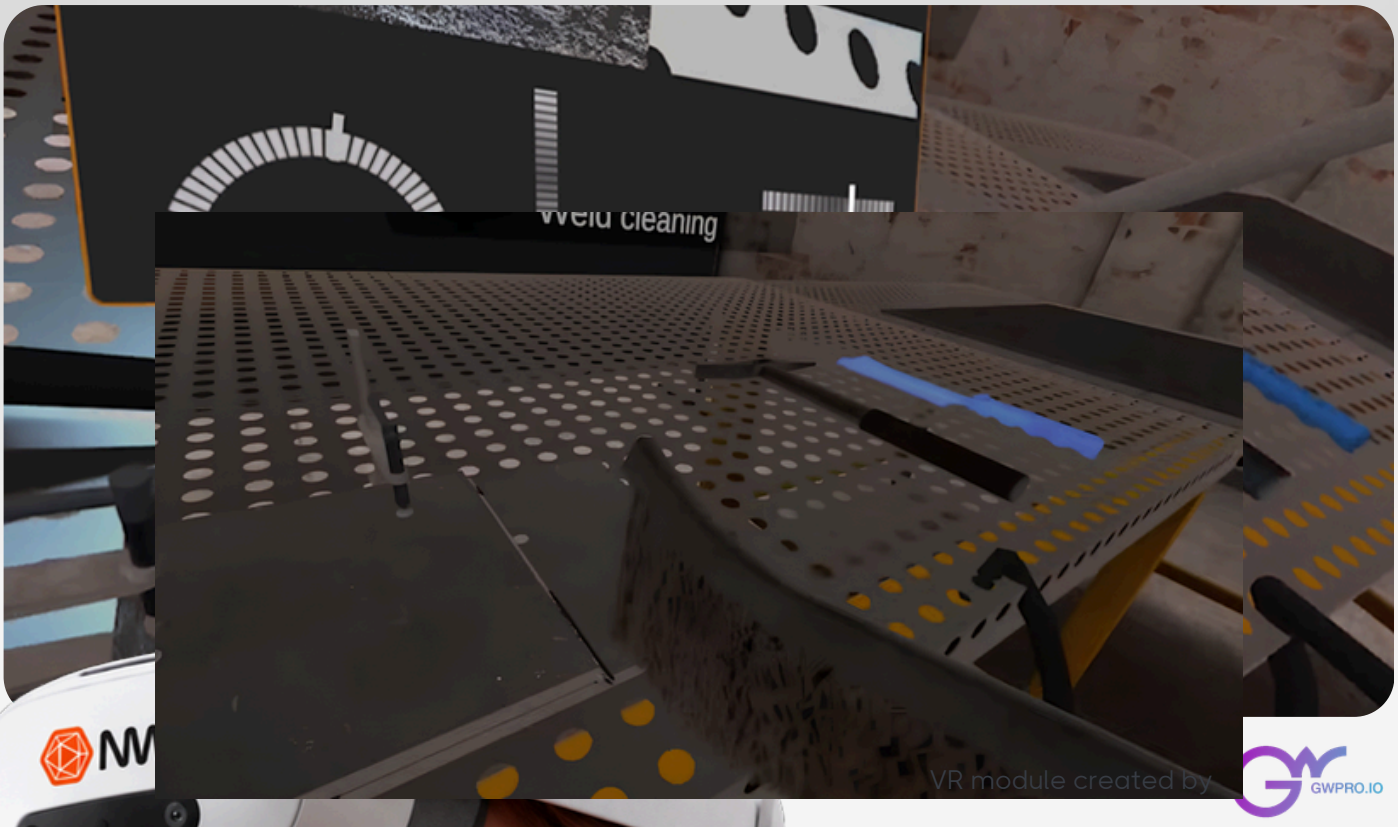
NEXT WORLD

Welding

VR Module Overview

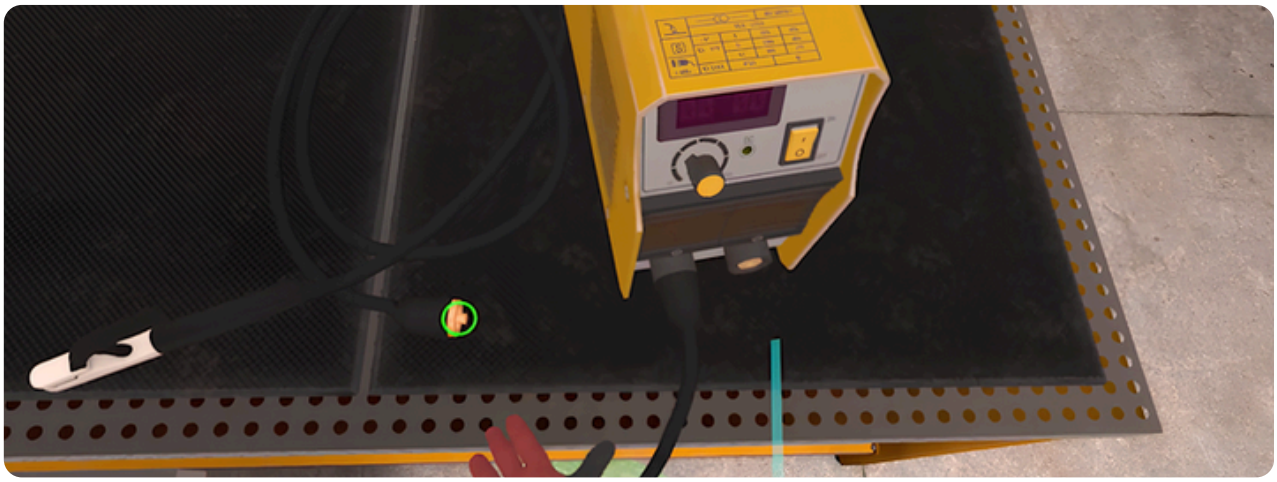




- Learning
- Training
- Certificate

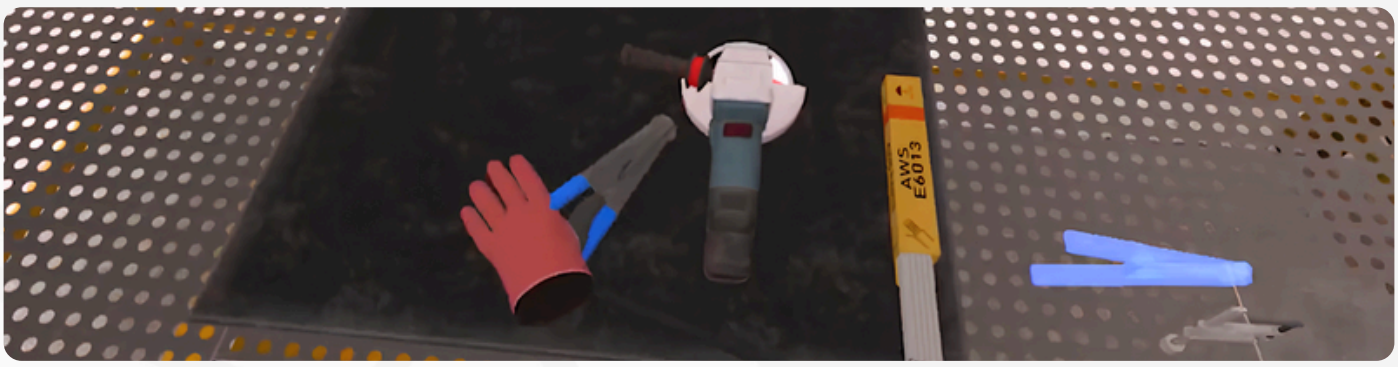
Experience Overview

What's included in VR Welding



SMAW Welding Fundamentals is an immersive VR curriculum in Shielded Metal Arc Welding (SMAW) for high school CTE concentrators, adult technical training and workforce reskilling programs. VR is used to allow high-frequency practice of dangerous or expensive tasks without risk.

Module 1 — A Career in Welding and Safety. To present welding as a skilled profession and to outline safety requirements. Students will learn about the basics of the welding industry, select the necessary personal protective equipment, prepare a safe workspace for welding and identify hazards associated with welding.]



Available in 10 Languages

- Arabic
- Chinese
- English
- French
- German
- Hindi
- Polish
- Portuguese
- Italian
- Spanish

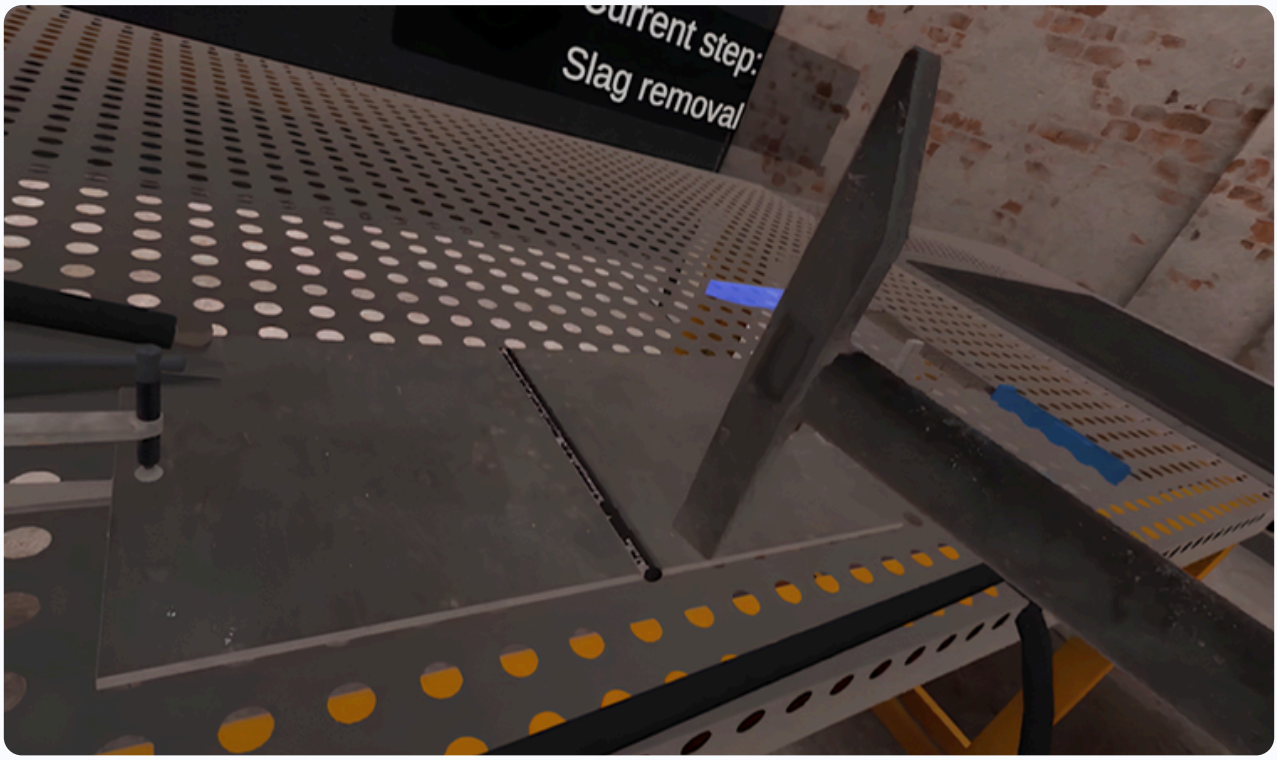
User Control

Empowering users with hands-on precision in every simulation.

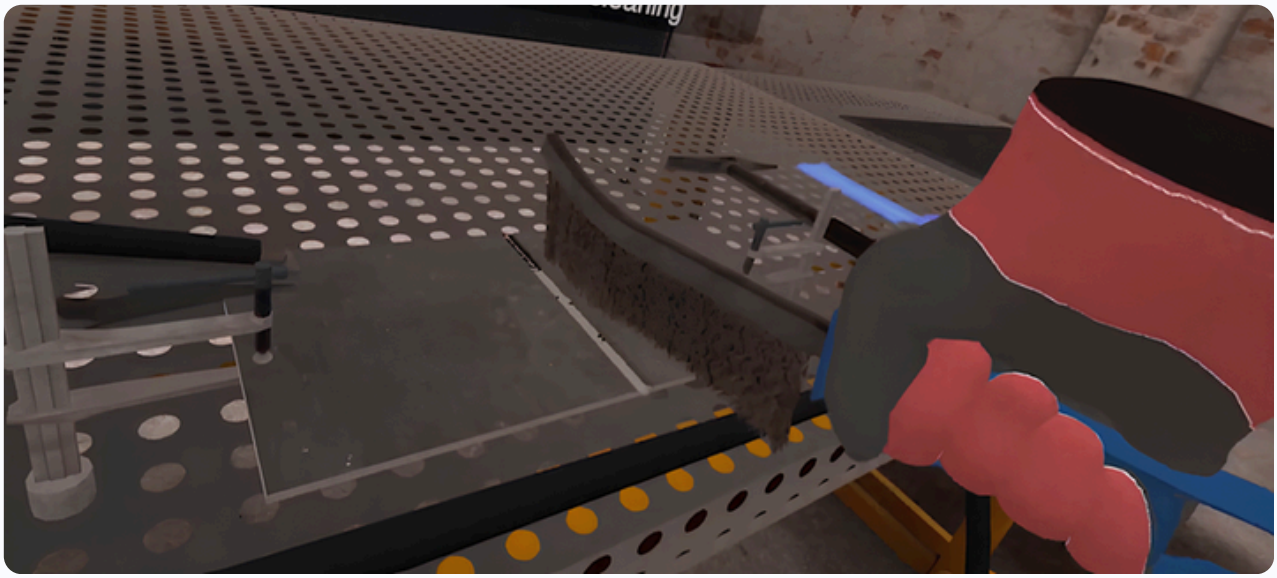


Module Walkthrough

In the Learning Mode you'll be guided through the following steps. In the Training and Exam modes you'll be on your own completing the task. To exit the task press the Menu button.



1. Watch and listen to the presentations of welding careers at four locations: bridge construction, shipbuilding, manufacturing and pipeline installation. Press the Next button to move on.



2. Wear all necessary personal safety equipment for work in production

3. Go to the location of personal safety equipment. To move, point the controller at the green circle and press the trigger.

4. Take a Welding mask. To do this, move your hand to the object and press the trigger.

5. Inspect the item. To do this, inspect it until the green check mark appears.

6. If the Welding mask is good, use it. To use an item, click on the USE option in the menu with the raycast.

7. Take a leather gloves. To do this, move your hand to the object and press the trigger.

8. Inspect the item. To do this, inspect it until the green check mark appears.

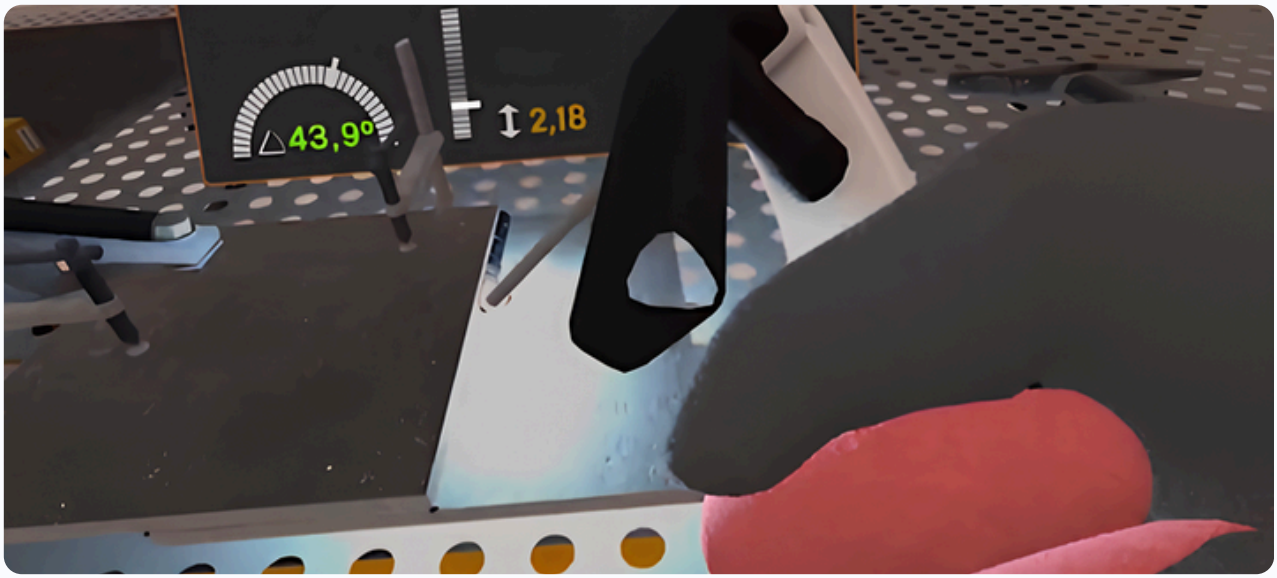
9. If the gloves is good, use them. To use an item, click on the USE option in the menu with the raycast.

10. Take a fire-resistant jacket. To do this, move your hand to the object and press the trigger.

11. Inspect the item. To do this, inspect it until the green check mark appears.

12. If the Welding mask is good, use it. To use an item, click on the USE option in the menu with the raycast.

13. Take a protective boots. To do this, move your hand to the object and press the trigger.



14. Inspect the item. To do this, inspect it until the green check mark appears.

15. If the boots is good, use them. To use an item, click on the USE option in the menu with the raycast.

16. To complete the equipment and move on, click the "Go to the production site" button.

17. Eliminate hazards on site. To select the hazard, point the controller pointer at the highlighted area and press the trigger.

18. Identify the hazards on site: flammable materials near the welding area, a worker without gloves, damaged cables on the welding machine, a gas cylinder too close to the welding area, a worker without a welding mask and an unfenced work area.

19. The task is completed.

20. To exit the task press the Menu button.

VR Trainee Certificate

Employees will receive a VR Trainee Certificate upon successfully completing a training module.



Certificate of Completion:
Finished the module, underperformed the pass threshold



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