NEXT WORLD

Trenching & Excavation Field Work

VR Module Overview





VR module created by GWPRO.IO

- Learning
- Training
- Certificate

Experience Overview

What's included in VR Trenching & Excavation Field Work



In GWPro Trenching and Excavation: Field Work VR Training, you step into the role of a supervisor at a newly excavated trench on a pipeline site. Your task is to inspect the trench and the surrounding work area, make sure that all safety measures required by the company trenching and excavation procedure and OSHA rules are in place, and identify and eliminate potential hazards before the contractor crew is allowed to continue work.

You begin by selecting a mode—Learning, Training, or Exam—and requesting the excavation checklist from the foreman. You then turn on the gas detector, set up safety signs, check the overhead power lines, move the excavator to a safe position and replace its bucket, have the trench drained, remove boulders and the spoil pile from the trench edge, perform a gas test, place ladders along the trench, stop the excavator, go down into the trench to remove debris, and return the completed checklist to the foreman.



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.

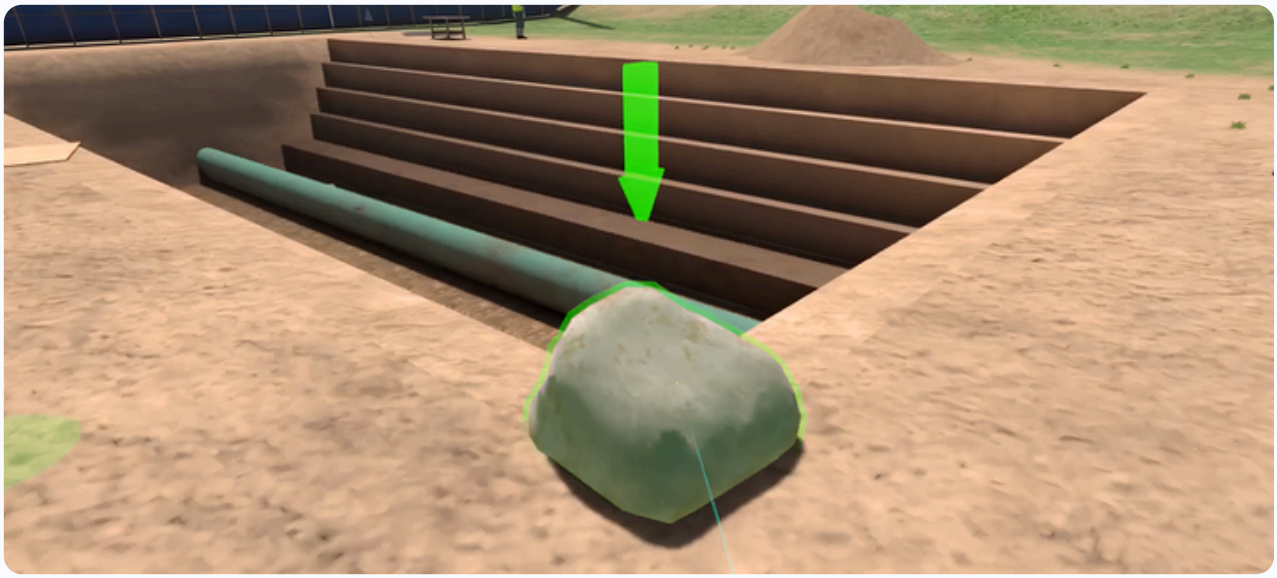


Module Walkthrough

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. Welcome to the Trenching and Excavation: Field Work VR Training. Select the mode. Point the controller at the mode and press the trigger.



2. Review the safety of the trench to obtain permission to continue work.

3. Come to the foreman. To move, point the controller at the green circle and press the trigger.

4. Ask the foreman to give you a checklist. To do this, point the controller at him and press the trigger. Then select “Request a checklist” in the menu.

5. Hey, thanks for coming. We're doing an excavation on this pipeline to investigate a possible leak. The contractor started this morning and we've already uncovered the pipe. I gave them a hot work permit and approved their excavation checklist. Everything should be in order, but we need you to check a few things. Go ahead and look around. If you see any problems, let's deal with them before we proceed.

6. Take the checklist. To do this, move your hand to the object and press the trigger.

7. Read the document. To do this, inspect it until the green check mark appears.

8. Hang the checklist on your belt. To do this, bring the checklist to the highlighted area and press the trigger.

9. Take a gas detector from your breast pocket. To do this, move your hand to your breast pocket with the gas detector and press the trigger.

10. Turn the gas detector on. Place your free hand on the switch button and press the trigger. Wait for the instrument to turn on.

11. Place the detector back in your breast pocket. Move the detector to the highlighted area and press the trigger.



12. Take the sign. To do this, move your hand to the object and press the trigger.

13. Place the sign. To do this, bring the sign to the highlighted area and press the trigger.

14. Take the sign. To do this, move your hand to the object and press the trigger.

15. Place the sign. To do this, bring the sign to the highlighted area and press the trigger.

16. Tell the excavator to leave the danger area. To do this, point the controller at the excavator and press the trigger. Then select “Move the excavator to a safe work site” in the menu.

17. Check the location of power lines. To do this, point the controller pointer at the power lines. Then press the trigger on the controller.

18. Tell the excavator to change the bucket. To do this, point the controller at the excavator and press the trigger. Then select “Replace Bucket” from the menu.

19. Drain the trench. To do this, pointer the controller at the foreman and press the trigger. Then select “Drain the trench” in the menu.

20. Approach the trench box area.

21. Remove the large stone. To do this, point the controller at the rock and press the trigger.



22. Remove the pile of soil. To do this, point the controller pointer at the pile. Then press the trigger. Select the area you want to move the pile to. Point the controller at the highlighted area and press the trigger.

23. Take a gas detector from your breast pocket. To do this, move your hand to your breast pocket with the gas detector and press the trigger.

24. Take the probes with your free hand. To do this, move your hand to the probe and press the trigger.

25. Perform a gas test. To do this, move your hand with the probe into the highlighted area and press the trigger.

26. Check the gas test result. To do this, look at the device screen for three seconds.

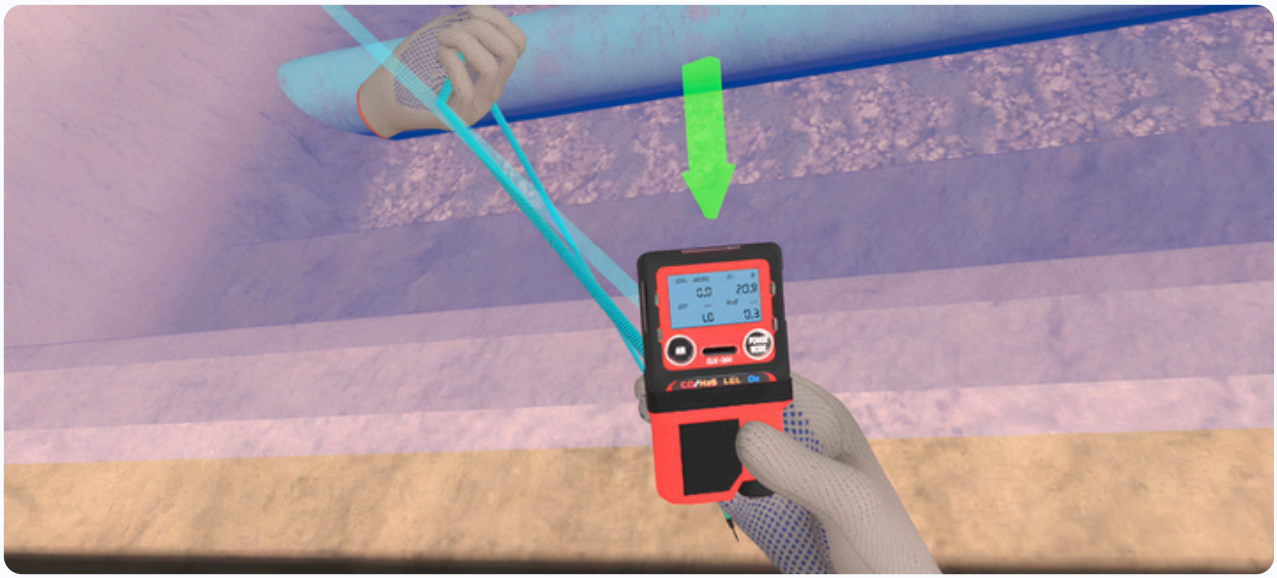
27. Return the probe. To do this, release the trigger.

28. Place the detector back in your breast pocket. To do this, move the detector to the highlighted area and press the trigger.

29. Take the ladder. To do this, move your hand to the ladder on the ground and press the trigger.

30. Place ladders along the trench. Place two ladders on one side of the trench and two on the other. To do this, bring the ladder into the highlighted area. Then press the trigger on the controller.

31. Stop the excavator. To do this, point the controller at the excavator and press the trigger. Then select “Stop the engine” in the menu.



32. Go down into the trench. To do this, point at the stairs of the ladder and press the trigger.

33. Remove debris from the bottom of the trench. To do this, move your hand into the highlighted area and press the trigger.

34. Return the checklist to the foreman. To do this, bring the checklist to the highlighted area and press the trigger.

35. You have successfully completed Trenching and Excavation Safety VR training.

36. The task is completed.

37. 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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