



NEXT WORLD

# Maintenance Safety (Pipes and Acids) VR Module Overview



VR module created by 



Learning



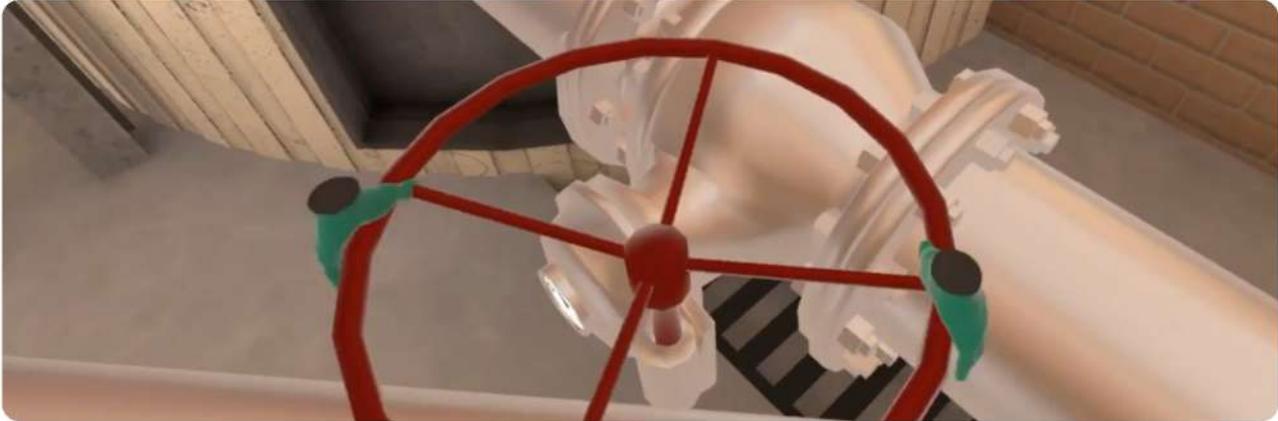
Training



Certificate

# Experience Overview

What's included in VR Maintenance Safety (Pipes and Acids)



**The assessment starts in the control room where you put on different PPEs for protection from the chemicals used in the pipeline. Then you will get your work permit to start your work.**

You will need to read the scheme of the pipes to shut down proper pumps and close correct valves. Then you go to the machine room to make manual lockout tagout procedures on the pipes involved in the maintenance. You will use walkie-talkie to communicate with the control room and barricade tape to separate the maintenance area. After that you will release the residual pressure in the pipeline, controlling it with the pressure gauges.

You will have to wash chemicals from the floor with the help of water. After that you will go back to the control room to report the completion of the task.



## Available in 10 Languages

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

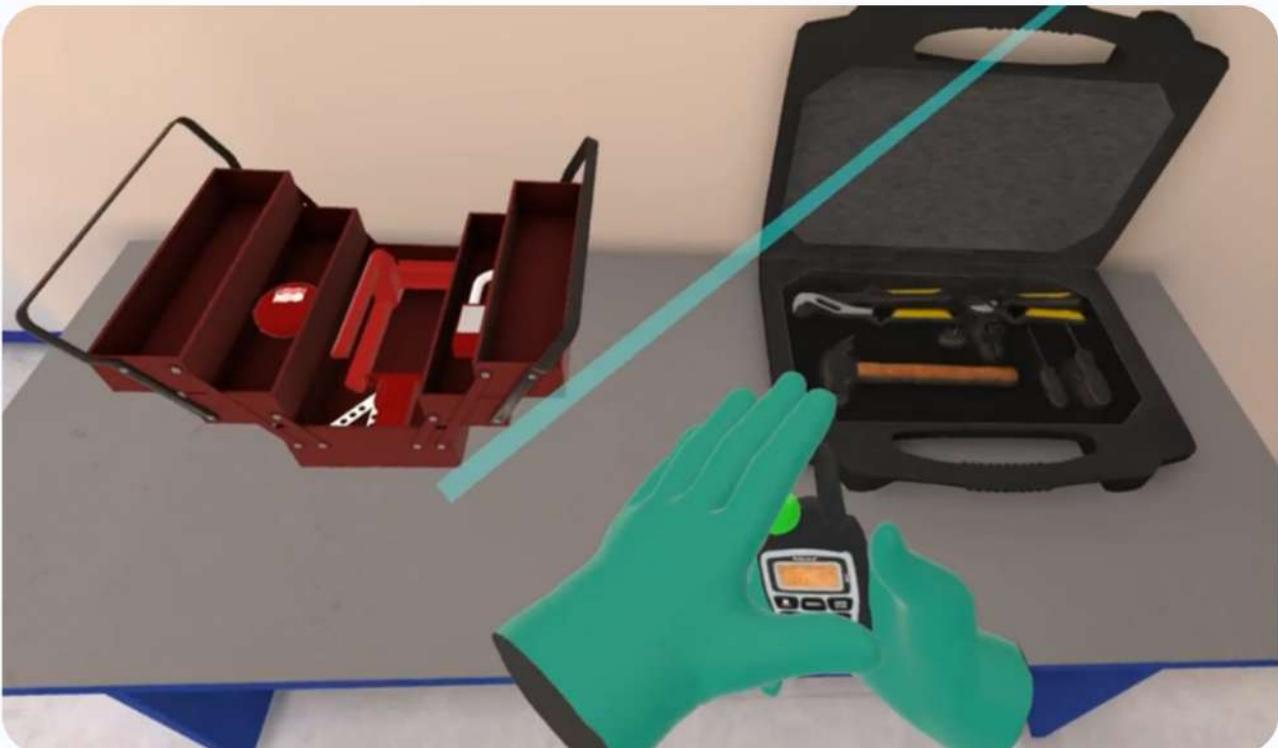
# User Control

Empowering users with hands-on precision in every simulation.



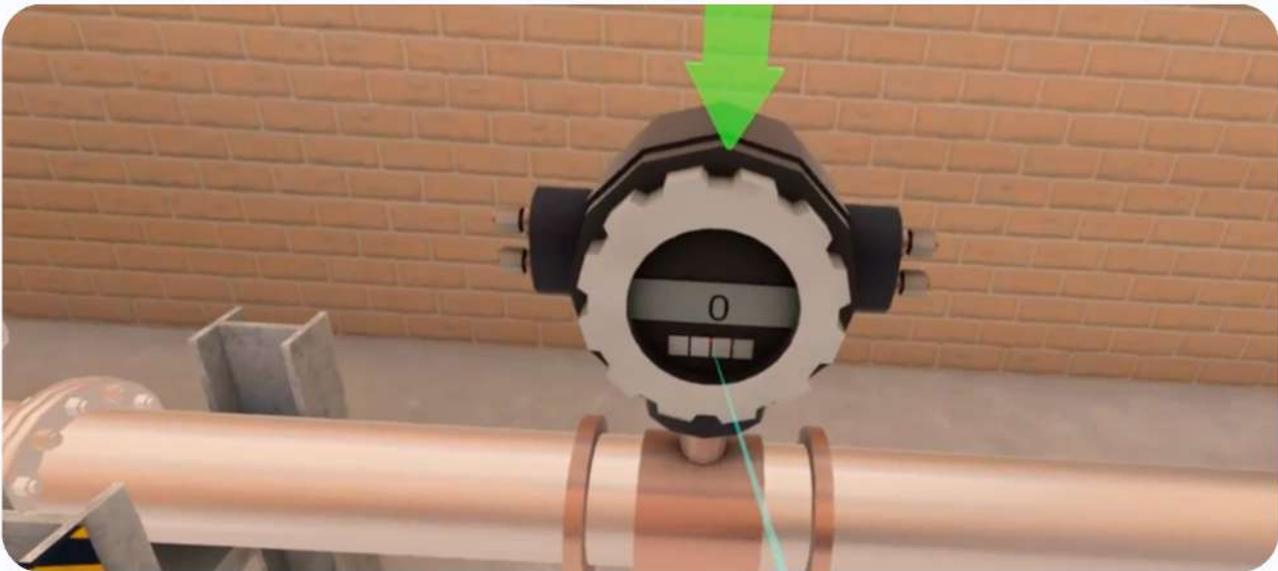
# Module Walkthrough

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 Maintenance Safety VR training. To do this, point the controller at the mode and pull the trigger.





2. Come to the job supervisor. To move, point the controller at the green circle and pull the trigger.
3. Read the work permit. To do this, inspect the area marked with an arrow.
4. Study the process card. To do this, take it from the table, inspect it before the stage sign appears and put it in the filing tray. Repeat the steps with all process cards. To take an object, bring your hand to it and pull the trigger. To release or secure the object in your hand, bring it to the installation area and pull the trigger again.
5. Place the suit in the highlighted area on your body and pull the trigger.
6. Take and put on your boots. To do this, place them in the highlighted area on the floor and pull the trigger.
7. Go to the operator's workplace and turn off the pump engine. To do this, bring your hand to the off button on the remote control and pull the trigger of the controller.
8. Make sure that the indication on the mnemonic scheme is correct. To do this, point the controller at the mnemonic scheme and pull the trigger. After that pointer at the correct answer option in the menu and pull the trigger.
9. Go to the toolbox on the table and take it. To do this, bring your hand into the highlighted area of the box and pull the trigger.
10. Move the toolbox to the workshop, to the table in the highlighted area. To open the door to the workshop, put your hand in the highlighted area of the door handle and pull the trigger.



11. Go back to the cabinet, grab and put on an apron. To do this, attach it to the body in the highlighted area and pull the trigger.

12. Take a gas mask and put it in a bag.

13. Take a bag with a gas mask and hang it on yourself. To do this, bring it to the highlighted area on the body and pull the trigger.

14. Put on the hardhat, to do this, put your hand in the highlighted area of the hardhat and pull the trigger.

15. Put on protective glasses, to do this, bring your hand to the glasses in the highlighted area and pull the trigger.

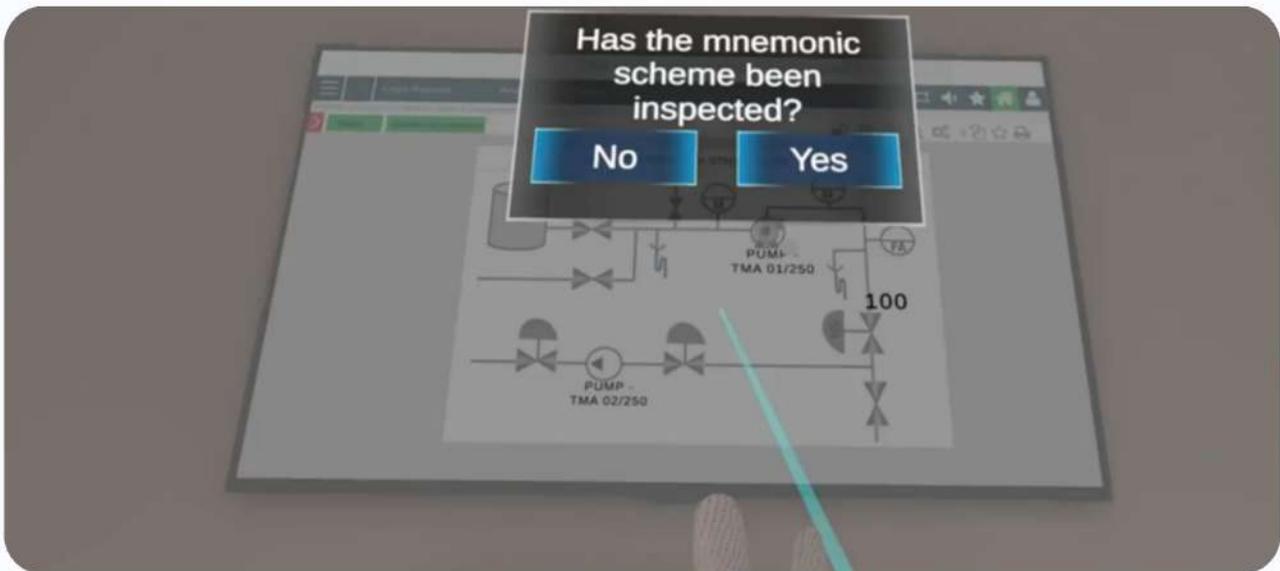
16. Put on dielectric gloves. to do this, move your hand to the gloves in the highlighted area and press the controller trigger.

17. Take a walkie-talkie from the table, turn it on and place it on your uniform. To turn on and adjust the walkie-talkie, holding it in one hand, bring your free hand to the switch. Then pull the trigger on the controller. Then bring the item to the highlighted attachment point on the clothing. Then pull the trigger on the controller.

18. Go to the toolbox on the table and take it. To do this, bring your hand into the highlighted area of the box and pull the trigger.

19. Move the toolbox to the workshop, to the table in the highlighted area. To open the door to the workshop, put your hand in the highlighted area of the door handle and pull the trigger.

20. Move to the flow meter to inspect it.



21. Check the flow meter. To do this, point the controller at it and pull the trigger. After that, point the controller at the correct answer option in the menu and pull the trigger.

22. Move to the valve to inspect it.

23. Check if the valve is closed. To do this, point your controller at it. Then pull the trigger on the controller. Then select the answer option in the menu and pull the trigger. At the same time, a red lamp should be lit on the indicator.

24. Report the results of the check to the job supervisor. To do this, move your hand to the highlighted area on the chest. Then pull the trigger on the controller.

25. Close the shut-off valve. To do this, take the valve with both hands. Turn the object clockwise until the shutoff valve is completely closed.

26. Take the valve blocker from the tool box and install it on the shutoff valve. To do this, bring the blocker to the highlighted area of the valve. Then pull the trigger on the controller.

27. Take the lock with the tag from the toolbox.

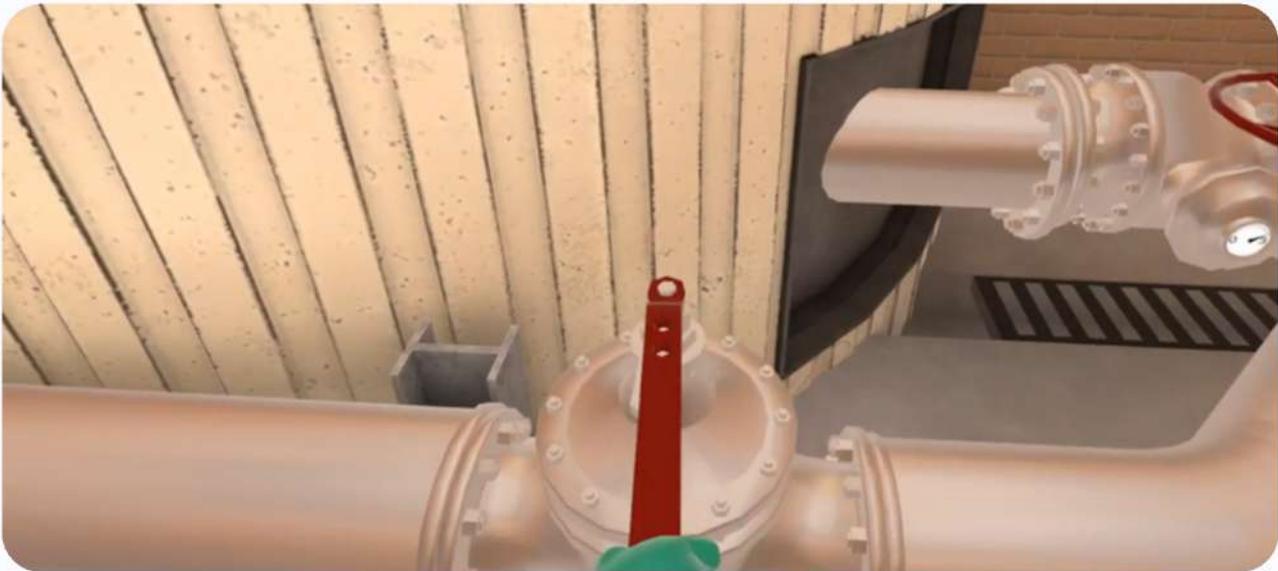
28. Install the lock on the blocker. To do this, bring your free hand to the lock and hold the trigger of the controller to close it and, without releasing the trigger, bring the lock to the blocker, and then pull the trigger of the controller with the lock.

29. Close the lock. To do this, bring your hand to the lock and pull the trigger.

30. Take the key out of the lock. To do this, bring your hand to the key and pull the trigger.



31. Hang the key in a bunch on your belt. To do this, bring the key to the highlighted area and pull the trigger.
32. Sign the tag on the lock. To do this, bring your hand to it and pull the trigger.
33. Close the second shut-off valve. To do this, grab the handle and turn it clockwise until the shut-off valve is completely closed.
34. Take the lock with the tag from the toolbox, install it on the handle of the shut-off valve, take the key and sign the tag on the lock.
35. Close the third shut-off valve. To do this, move your hand to the small valve. Then pull the trigger on the controller.
36. Take the small valve blocker from the toolbox and install it on the valve of the shut-off valve. To do this, bring the lock to the highlighted area of the valve and pull the trigger.
37. Take the lock with the tag from the toolbox, install it on the blocker, take the key and sign the tag on the lock.
38. Open the flush water dumper after the pump. To do this, grab the handle and turn it clockwise until the shut-off valve is fully opened.
39. Take the flushing hose and attach it to the dumper near the tank. To do this, bring the hose into the highlighted area of the dumper and pull the trigger.
40. Open the flush water dumper after the tank. To do this, grab the handle and turn it clockwise until the shut-off valve is fully opened.



41. Turn on the water supply through the connected hose and wait for flushing. To do this, bring your hand to the water supply valve and pull the trigger.

42. Turn off the water supply. To do this, bring your hand to the water supply valve and pull the trigger.

43. Close the flush water dumper after the pump.

44. Disconnect the water supply hose from the dumper near the tank. To do this, bring your hand to it and pull the trigger, then pull the trigger again to release the hose.

45. Open the flush water dumper after the tank. To do this, grab the handle and turn it clockwise until the shut-off valve is fully opened.

46. Take the butterfly valve blocker from the toolbox and install it on the valve. To do this, bring the lock to the highlighted area of the valve and pull the trigger to hang it up.

47. Take the lock with the tag from the toolbox, install it on the blocker, take the key and sign the tag on the lock.

48. Request via radio the job supervisor to turn off the power on electric drives. To do this, move your hand to the highlighted area. Then pull the trigger on the controller.

49. Take the water supply hose and turn on the supply. To do this, bring your hand to the water supply valve and pull the trigger.



50. Clean the tiles in the workshop near the taps from white bloom. To do this, hold the hose so that the water gets on the white bloom.
51. Turn off the water supply and return the hose to its place. To do this, bring your hand to the water supply valve and pull the trigger. Then return the hose to its place.
52. Take and set a sign: Repair work in progress. To do this, bring it to the highlighted area and pull the trigger.
53. Set up warning sign.
54. Take and set a sign: Work here. To do this, bring the sign to the highlighted area on the pump and pull the trigger.
55. Set up warning sign.
56. Tape the work area with warning tape. To do this, take the tape from the table. Place it before and after the pump in the highlighted area of the shut-off valves.
57. Take the toolbox and return it to the office to the table in the highlighted area.
58. Sign the work permit.
59. Take a bunch of keys from your belt and give them to the job supervisor. To do this, bring your hand into the highlighted area on the belt and pull the trigger, and then bring the keys to the job supervisor in the highlighted area and pull the trigger.
60. The task is completed.
61. To exit the task press the Menu button.





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[www.nextworldxr.com](http://www.nextworldxr.com) | [enquiry@nextworldxr.com](mailto:enquiry@nextworldxr.com)