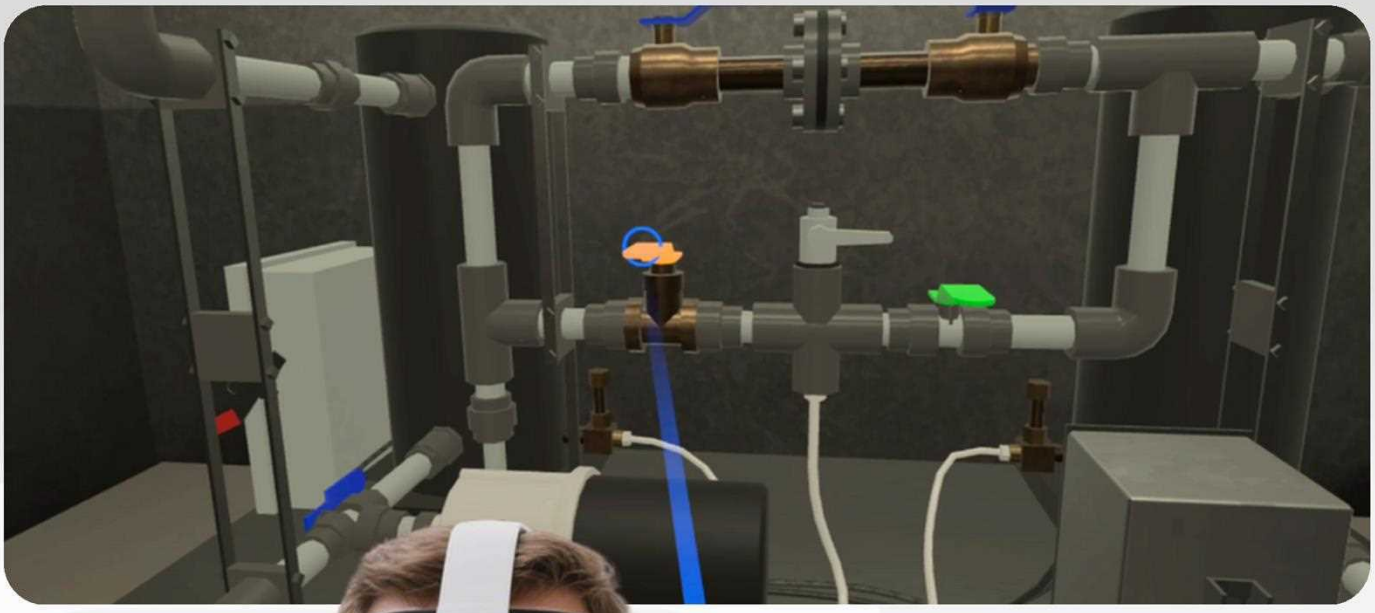
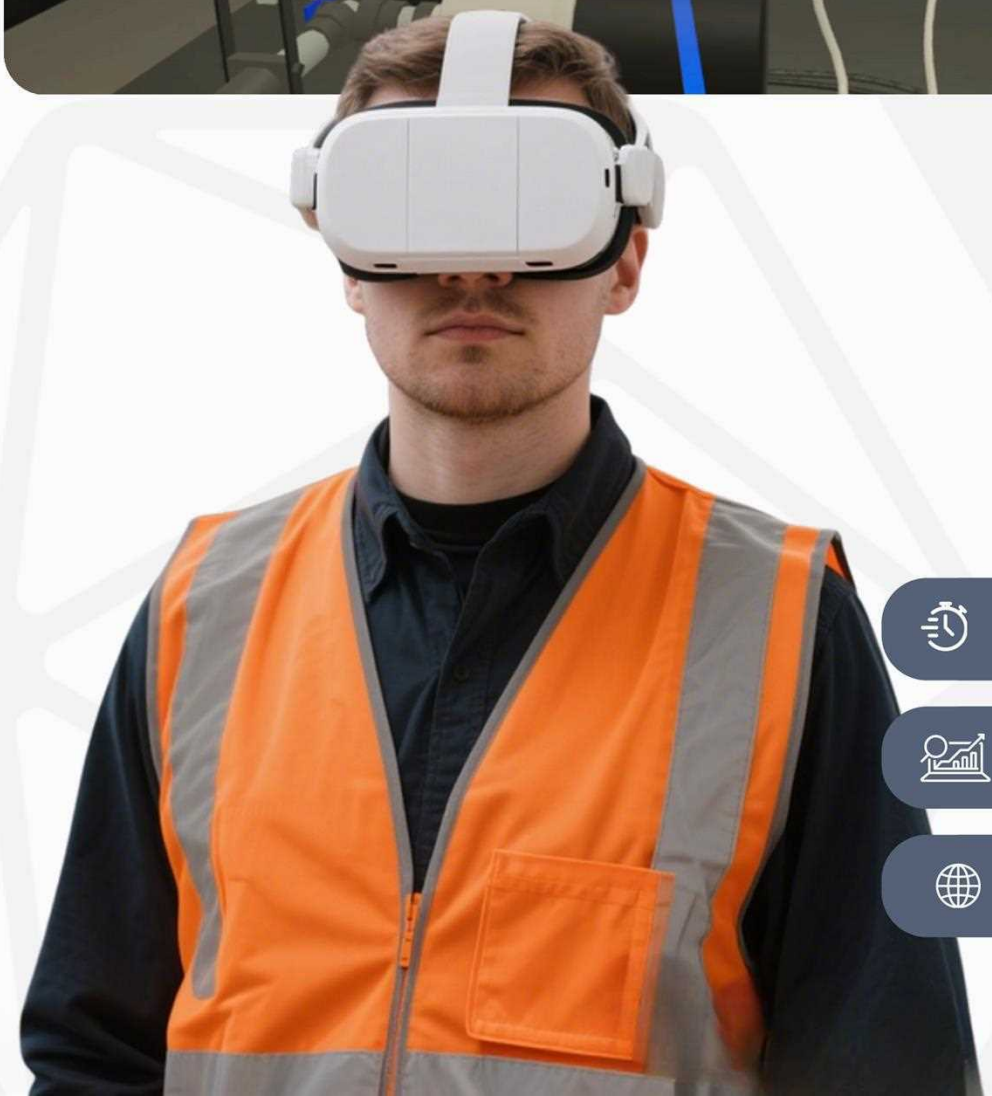
NEXT WORLD

Lock Out Tag Out
VR Module Overview

Modelled from Unit of Competency: RIISAM202E





32 minutes

Analytics

13 languages

Experience Overview

What's included in VR Lock Out Tag Out

Train your team to shut it down, lock it out, and stay alive; when hazardous energy is mishandled, there are no second chances.

This immersive VR training gives users a practical, step-by-step experience in executing safe Lockout Tagout procedures across a variety of machinery types. Trainees gain real-world readiness by performing full maintenance shutdowns in high-risk environments, without facing real-world consequences.

Hazardous energy can't be seen—but when LOTO goes wrong, the outcomes are often fatal.

Participants are placed in dynamic maintenance scenarios where they must:

- Conduct maintenance checks on two different machines.
- Shut down equipment using proper LOTO protocols.
- Apply lockout devices and verify energy isolation.
- Notify LOTO steps with effected co-workers
- Identify and respond to LOTO failures in real time.

This scenario-based training builds instinctive, repeatable LOTO skills—equipping your team to protect themselves and others during high-risk maintenance work.

Features

- Conduct maintenance checks on two types of machinery
- Complete a full LOTO procedure from start to finish under exam conditions
- Integrated analytics and student performance
- Completed in 32 minutes
- Available in 13 languages

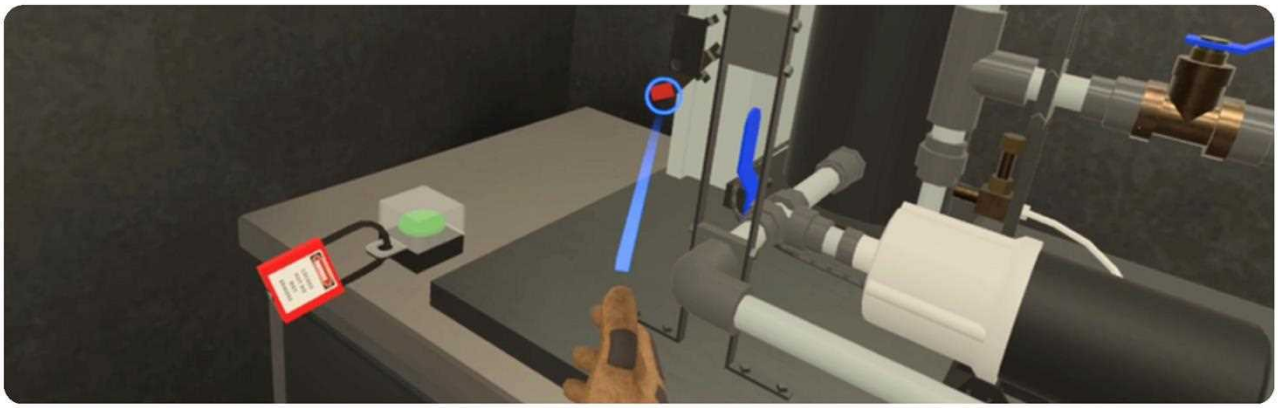
Languages

- English (AU, US, UK)
- Arabic
- Hindi
- Spanish
- French
- German
- Italian
- Portuguese
- Serbian
- Polish
- Bosnian

Modelled from Unit of Competency: RIISAM202E

Training Frameworks

The experience is built around a phased, competency-based training structure:



A. Tutorial

- Learners are introduced to VR interaction mechanics—handling locks, valves, switches, and tablets.

B. Discovery Phase

- Multiple-choice questions test base knowledge on LOTO purpose and process.

C. Instructional Phase

- Step-by-step walkthrough of the 8 LOTO stages:
- Preparation: Read MSP, notify affected workers.
- Shutdown: Power off equipment using standard methods.
- Isolation: Cut power and pneumatic sources.
- Application of Devices: Lock and tag equipment securely.
- Stored Energy Release: Bleed pressure, let parts cool.
- Verification: Attempt to start equipment to confirm it's de-energised.
- Maintenance: Conduct oil, filter, and belt inspections.
- Release from LOTO: Notify personnel, re-energise, clean up, and return devices.

D. Practice Phase

- Learners repeat the procedure with limited guidance on a different air compressor (40HP).

E. Exam Phase

- Full assessment on a air compressor machine (100HP) with no assistance.
- Mistakes can end the scenario if safety is compromised.

F. Results and Feedback

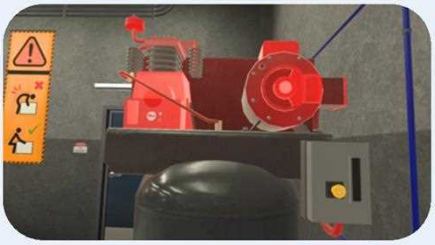
- Participants receive detailed breakdowns on correct or incorrect steps and missed safety elements.
- Reinforces critical areas like communication, device application, and energy verification.

Key Learning Outcomes

Engaging methods of training Lock Out Tag Out

LOTO procedure

- Understand the full 8-step Lock Out Tag Out (LOTO) procedure for safely servicing equipment by isolating energy sources to prevent accidental activation.



Learn when and why LOTO is critical, including:

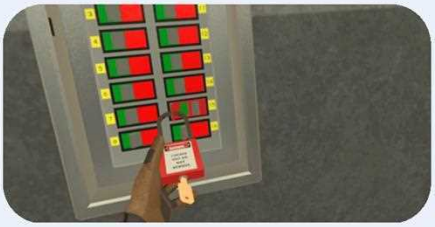
- During maintenance, inspection, and servicing of machinery.
- To prevent injury from unexpected start-up or release of stored energy.

Apply proper equipment use:

- Padlocks, tags, hasps, bleed valves, breaker switches.
- Storage and return of LOTO devices in lockout stations.
- Key management (keeping lockout keys on your person).

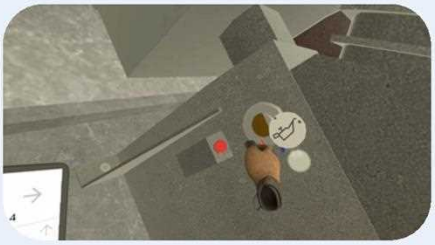
MSP

- Follow documented machine-specific procedures (MSPs) via QR code scans and tablet references, ensuring correct steps per equipment.



Communicate effectively with affected personnel, both before and after initiating/releasing LOTO.

- Identify all hazardous energy sources, including:
  - Electrical
  - Pneumatic
  - Thermal
  - Mechanical



Safely release stored energy

- Bleeding pressure valves, allowing parts to cool, verifying system shutdown.
- Perform equipment checks and maintenance safely, including: Inspecting oil levels, air filters, belts, and motor safeguards.

VR Trainee Certificate

Employees will receive a VR Trainee Certificate upon successfully completing a training module in the Next World platform.

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

Certificate of Achievement:
Finished the module, exceeded the pass threshold

www.nextworldxr.com | enquiry@nextworldxr.com