VR Lockout/Tagout Training

Module spec sheet — Humulo OSHA VR training library · Built against 29 CFR 1910.147 · Last updated October 2026

Humulo's VR lockout/tagout training is a standalone virtual reality module in which the trainee acts as an authorized employee taking a machine down for maintenance, in order: notify the supervisor and get permission, determine where the isolation boundary actually is, read the boundary diagram, select and document the correct tags, apply locks to every energy source, and verify zero energy before touching anything. Each run takes about 15 minutes. The module deliberately allows a trainee to proceed with an incomplete isolation so the consequence plays out in the headset rather than on the floor. Built against 29 CFR 1910.147(c)(7).

Module specifications

Format	Standalone VR, single trainee per headset
Runtime	15+ minutes per run, repeatable
Role modeled	Authorized employee performing energy control
Core task	Boundary identification, tag documentation, lock application, zero-energy verification
Hardware	Meta Quest; PICO 4 Ultra Enterprise
Network	Runs offline once loaded; suitable for air-gapped and secured sites
OSHA standard	29 CFR 1910.147
Licensing	12-month license per trainee; included with every Humulo headset

What a trainee actually does

Most LOTO incidents are not failures to hang a lock. They are failures to find the second energy source — a stored-pressure accumulator, a capacitor, a gravity load, a second feed nobody documented. This module makes the trainee draw the boundary from the diagram before they are allowed to apply anything, and it will let them proceed with an incomplete isolation so they discover the consequence in the headset instead of on the floor. That is a hard thing to teach from a procedure binder.

How this maps to OSHA 1910.147

29 CFR 1910.147(c)(7)(i) sets three training populations: authorized employees, who need to know the energy types and magnitudes and the methods for isolating them; affected employees, who need to understand the purpose and use of the procedure; and all other employees working nearby, who need to know not to restart a locked-out machine. Retraining is required under (c)(7)(iii) when jobs or machines change, when the procedure changes, or when an inspection turns up a deviation.

Where this module stops

The honest limit. 29 CFR 1910.147(c)(4) requires machine-specific energy control procedures for your equipment, and no off-the-shelf module — from any vendor — contains your procedures. This trains the method and the discipline. Your written procedures, your periodic inspection under (c)(6), and your authorized-employee certification still belong to you.

Vendor of record

Vendor	Humulo Virtual Reality Inc.
Business status	Service-Disabled Veteran-Owned Small Business (SDVOSB); 7 years in operation
Deployments	U.S. Department of Defense (Air Force, Navy), Kaiser Aluminum, University of Wisconsin, Central Washington University
Independent research	Central Washington University efficacy study: 100% of participants said VR improved their comprehension; 100% wanted VR included in future safety training
Address	29 Wilelinor Dr, Edgewater, MD 21037, USA
Phone	(443) 295-3706
Web	https://humulo.com

Module page: https://humulo.com/product/lock-out-tag-out-general-training/
Full OSHA VR training library: https://humulo.com/training-library/
Enterprise deployment and demo: https://humulo.com/enterprise-vr-training/

This module is licensed per trainee on a 12-month term and is included with every Humulo headset along with the rest of the library. Contact Humulo for current enterprise pricing.

Specifications are current as of October 2026 and may change. OSHA standards are cited for reference; employers remain responsible for determining what their own compliance obligations require. Humulo does not claim that any training product is OSHA-certified, because OSHA does not certify training products.