

EON Genesis 3.0

TRAIN ANYONE. ON ANYTHING. ANYWHERE.

The world's most advanced XR training platform — now powered by AI, physics simulation, and immersive hand-tracked VR.

57

Interaction
Primitives

9

Industry
Missions

1,146

Courses
Covered

13wk

Full Platform
Delivery

THE PROBLEM WE SOLVE

Traditional training is broken across every industry.



Dangerous

Workers train on live equipment or flat PDFs — not realistic simulations. Mistakes in training become mistakes in the field.



Slow & Expensive

Instructor-led sessions are hard to scale. Flying trainers to remote sites costs thousands per session, per person.



No Retention

Watch-once videos and classroom lectures yield under 20% knowledge retention within one week of training.



Inaccessible

Specialized equipment isn't available everywhere. Oil refineries, surgical suites, and data centers can't be replicated on demand.

WHAT IS EON GENESIS 3.0?

An end-to-end AI-orchestrated XR training platform — from any 3D model to a certified, scored, immersive training program in minutes.

1

LAYER 1

Auto-Configure

Upload any 3D model

AI scans your model, identifies every interactive component, and automatically assigns training interactions — valves, switches, gauges, cables and more — with confidence scoring.

2

LAYER 2

SOP Procedures

Instant training programs

Feed it your Standard Operating Procedure (or let AI write one) and Genesis instantly generates a 4-phase, scored training scenario across all your equipment steps.

3

LAYER 3

Avatars & VR

Immersive delivery

Trainees learn with a drone narrator, a full-body Mixamo avatar, or in full VR with their own tracked hands physically manipulating virtual equipment.

HOW TRAINEES LEARN — THE 4-PHASE JOURNEY

Every procedure follows a proven pedagogical loop — from observation to certified mastery.



01

SHOW ME

Drone avatar demonstrates every step with voiceover narration. Trainee watches. No pressure — pure observation.



02

TRAIN

Trainee performs with 3-level AI hints: text prompt → highlight + arrow → animated demo. Errors corrected instantly.



03

LET ME TRY

Unguided practice. Help available on request only. System secretly tracks hesitation, errors, and help calls.



04

EVALUATE ME

Timed assessment. No hints. Full scoring: accuracy, sequence, speed, safety violations, oral questions. Grade: Expert → Novice.

Result: Expert / Proficient / Competent / Developing / Novice — with full audit trail and compliance documentation

57 INTERACTION PRIMITIVES — SIMULATE ANYTHING

Genesis 3.0 expands from 25 to 57 primitives — covering every physical interaction a trainee might perform.

25

Core (P01–P25)

Valves, switches, panels, gauges, latches, labels, inspections

8

Physics (P26–P33)

Weight, torque, springs, collisions, breakage, hinge dynamics via Havok

8

Particles (P34–P40, P51)

Fire, smoke, gas, fluid, spray, foam, water flow, explosions at 500K+ particles

3

Electrical (P41–P43)

Arc flash, cable routing, circuit energization with live visual shaders

4

XR Hand (P44–P47)

Hand grab, finger poke, two-hand manipulation, gesture recognition in VR

4

Measurement (P48–P50, P55)

Gauge reading, multimeter, thermal scanning, calibration workflows

3

Medical/Lab (P52–P54)

Suturing, pipetting, aseptic gowning with soft-body physics

2

Vehicle (P56–P57)

Vehicle steering and crane cab control with Havok vehicle physics

READY-TO-DEPLOY MISSIONS & REUSABLE RECIPES

9 PRE-BUILT MISSIONS

M1

Valve Isolation LOTO ·
Energy, Mfg

M2

Fire Response Drill · First
Responders

M3

Electrical Safety Isolation ·
EV, Energy

M4

Crane Rigging Operation ·
Construction

M5

Gas Leak Emergency ·
Mining, Energy

M6

Lab Sample Preparation · Life
Sciences

M7

Heavy Equipment Startup ·
Mining

M8

Surgical Preparation ·
Healthcare

M9

Data Center Hot Swap · Data
Center

8 COMPOSABLE RECIPES

R1 Lockout / Tagout (LOTO)

Universal across Energy, Mfg, EV

R2 Emergency Response

Fire, gas, spill — configurable

R3 Equipment Startup

Any mechanical system

R4 Equipment Shutdown

Reverse of Startup

R5 Inspection Round

Gauges, thermal, visual checks

R6 PPE Donning/Doffing

Healthcare, Hazmat, Life Sciences

R7 Rigging & Lifting

Construction, Maritime, Mining

R8 Cable & Connection

Data Center, EV, Aerospace

WHY GENESIS 3.0 IS UNLIKE ANYTHING ELSE



Minutes to Training — Not Months

Auto-Config AI scans your 3D model and assigns interactions instantly. What used to take a dev team 3 months now takes hours.



AI Writes Your Procedures

No SOP document? Describe your procedure in plain English. AI generates a full structured SOP with safety notes, timing, and verification steps.



Physical Reality in VR

Havok physics simulation means equipment has real weight, torque, and resistance. Trainees develop genuine muscle memory — not just click habits.



Full Competency Scoring

Every action is logged. Accuracy, sequence compliance, hesitation time, safety violations, oral questions — full audit trail for compliance.



One Platform. Every Industry.

Oil & gas, healthcare, data centers, construction, labs, emergency response — 57 primitives and 8 composable recipes cover any procedure in any sector.



60% Codebase Reused — Zero Vendor Lock-in

Built on open-standard Babylon.js 8 with Havok physics. 60% of existing business logic transfers untouched. No proprietary black boxes.

1,146 COURSES. 17 SEGMENTS. EVERY INDUSTRY.

Genesis 3.0's 57 interaction primitives + 8 recipes cover every training need across:

 Energy & Oil/Gas


 Healthcare & Surgery

 Life Sciences & Labs

 Construction & Mining

 EV & Automotive

 Aerospace & Defense

 Data Centers

 First Response & Safety

 Maritime & Logistics

Powered by EON's 25+ years of content — 1,800+ courses, 136M+ platform downloads, 80+ countries

The future of workforce training

is here.

Genesis 3.0 doesn't just train your workforce.
It certifies competency, eliminates risk, and scales across your entire organization
— from a single oil platform to 100,000 workers worldwide.

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