EON AI Ventures

Field IQ 2.0

Three Ways to Train: Physical, Tangible, and Virtual

Train on equipment you don't have - with your real hands - while AI watches over your shoulder.

Training Modality Strategy | June 2026

THE PROBLEM

You can't practice on equipment you don't have

Industrial skills live in the hands. But the **equipment** people must master is often **inaccessible, dangerous, or thousands of miles** away - so most training stays on screens and paper, and skills don't transfer.

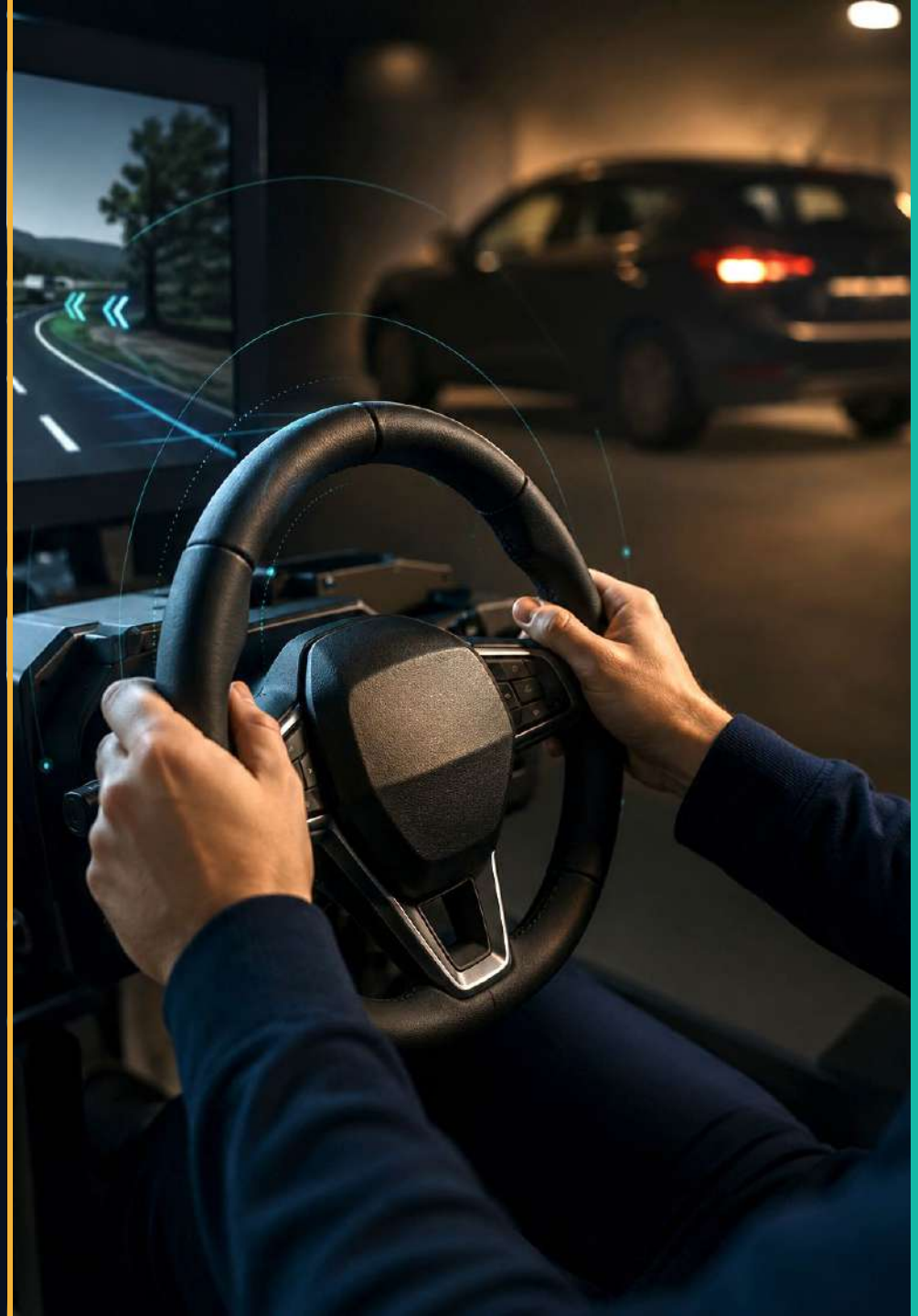
Access	**Real skids are in production**, offshore, or owned by the customer - you can't pull them aside for class.
Safety	Practicing on live, pressurized equipment exposes trainees and assets to **real risk.**
Cost	**Downtime, travel, and safety supervision** make hands-on training the most expensive hour in the plant.

THE SIMPLE EXPLANATION

Think of it like learning to drive

Start on the **screen**, build **muscle memory** on the board, get **certified** on the real machine.

The video game **= Fully virtual**	**Learn the rules and layout** anywhere, but your hands never feel a wheel.
Simulator with a real wheel **= The tangible board**	**Hands learn** where to reach, what to grip, and in what order.
Real car, instructor beside you **= AR on the real asset**	**The real thing,** with expert guidance and correction at every step.



THE PRODUCT FAMILY

Three modalities, one ladder

Not competitors - they trade fidelity for reach and cover the full journey from first exposure to certification.

Field IQ Live

PHYSICAL AR

Step-by-step guidance **overlaid on the real equipment** via glasses or phone. Highest fidelity - requires site access.

Field IQ Board

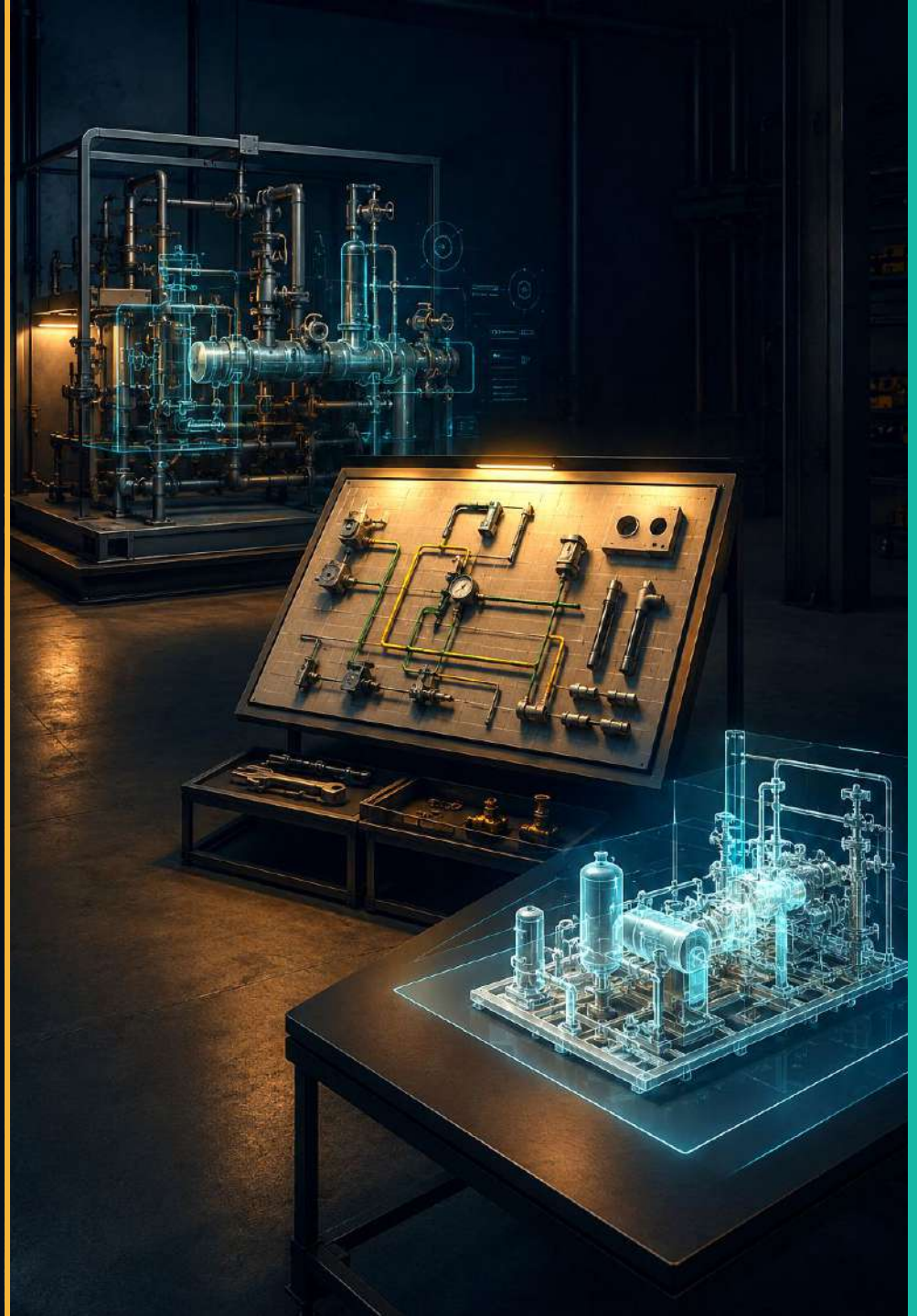
TANGIBLE AR

A **printed skid** on a magnetic board comes **alive in 3D** through the phone or glasses. **Real prop** locks and tools snap on by hand - AI judges every step.

Field IQ Anywhere

FULL VIRTUAL

The **AR skid floats in the room** with a virtual toolbox. Any equipment, any place, instantly - the reach play.



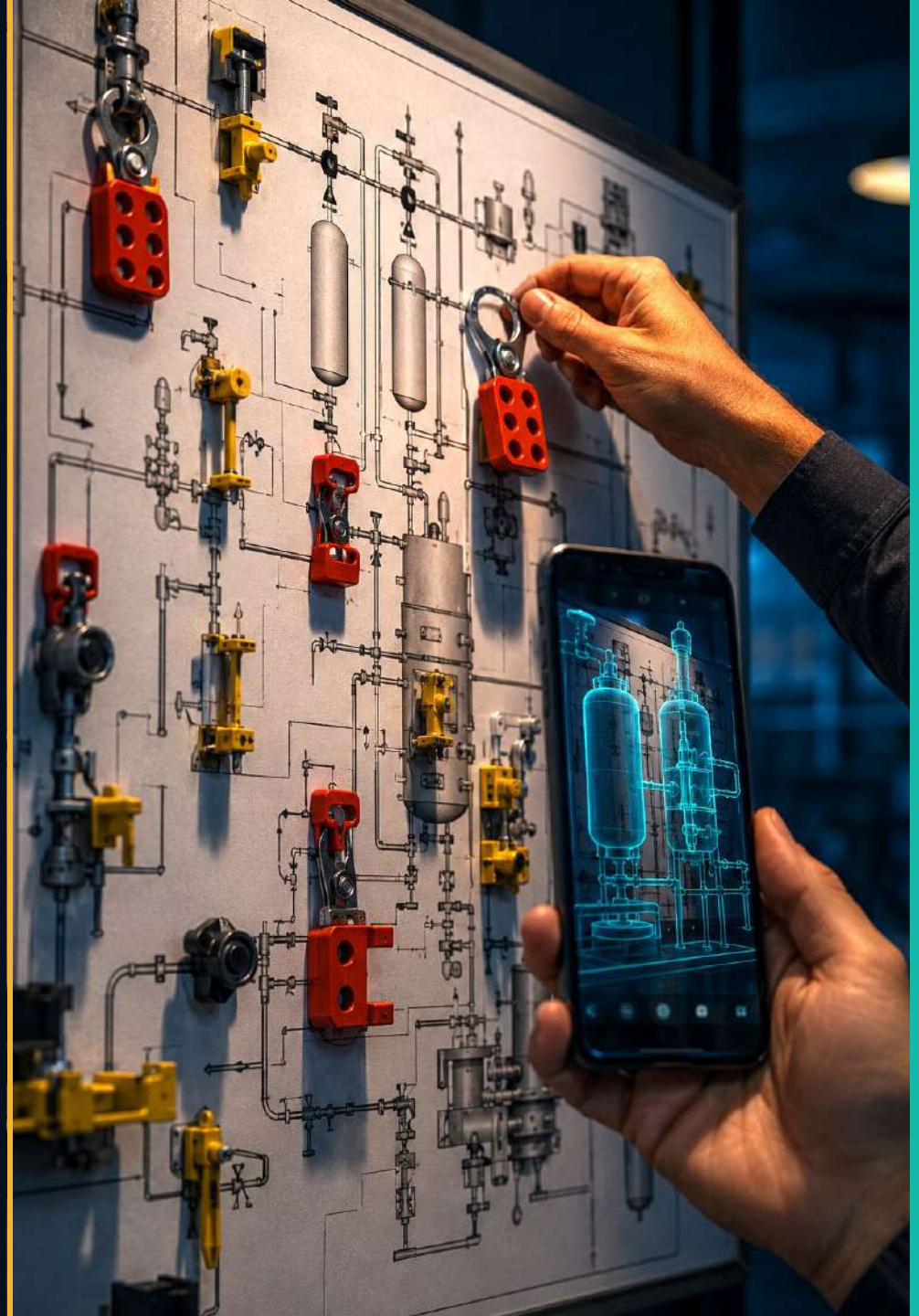
THE BREAKTHROUGH

How Field IQ Board works

Physical to the hand, digital to the AI.

1	**Print**	**A scaled - or full 1:1** - print of the skid mounts on a magnetic whiteboard.
2	**Point**	The phone camera makes the picture **rise out of the print as a live 3D model.**
3	**Place**	**Real plastic locks, clamps**, and tools snap onto exact components by hand.
4	**Judge**	**AI tracks every placement**, scores the sequence, and gives feedback.

Fifteen people can stand around one full-scale wall print and see the same environment together.



SIDE BY SIDE

What each modality can do

The ladder is a deliberate trade: fidelity, reach, judging clarity, and cost.

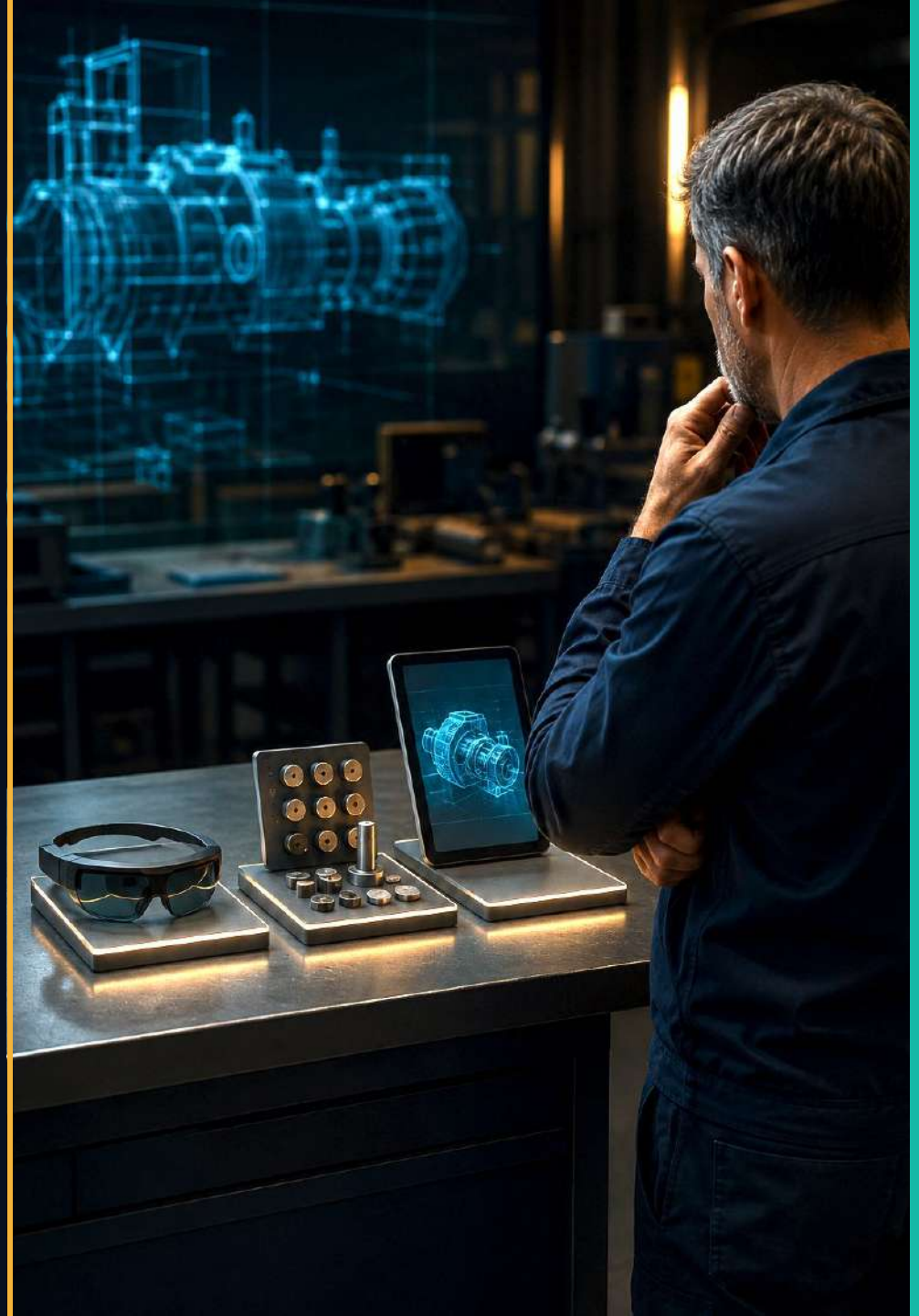
Capability	Live	Board	Anywhere
Equipment	Real asset	Print + prop kit	None
Hands-on feel	Full metal	Grip & placement	Air gestures
AI judging	Hardest	Cleanest data	All telemetry
Group training	On-site crew	~15 per board	One device each
Scenario swap	Fixed asset	New map in seconds	Instant library
Safety risk	Present	None	None
Best for	Certification	Drills & briefings	Reach & exposure

TRADE-OFFS

Strengths and limitations

Each modality earns its place when the training objective is clear.

Field IQ Live	**Strengths: Perfect fidelity**; certification-ready; hands-free with glasses.	**Limitations: Needs site access** and downtime; safety exposure; hard to scale.
Field IQ Board	**Strengths: Real muscle memory**; near-zero cost; 15 people, one view; cleanest AI data.	**Limitations: No real torque** or resistance; props made per scenario family.
Field IQ Anywhere	**Strengths: Infinite reach**; zero logistics; perfect telemetry; ideal first exposure.	**Limitations: No haptics** - weakest skill transfer; one device per viewer.



THE DEEPER STORY

Why the middle rung wins

The Board teaches the what and the how - reach, grip, place, in order - for the cost of a print and a box of plastic props.

Skills live in the hands.

A technician can pass a written lockout/tagout test and still fumble the sequence under pressure. Motor-learning research is clear: **skills encoded through physical movement are retained longer and perform better under stress.**

Show Me
Anywhere - any equipment appears instantly.

Let Me Try
Board - hands do real work, every action scored.

Evaluate Me
Live - certification on the real asset.

Headset vendors can't ship this: content + physical kit + AI judgment - the combination we own end to end.

ROADMAP

How you make Board modality better

The next layer turns Board from a clever modality into a measurable product line.

Tagged props

ArUco/NFC tags identify which lock went on which valve, in sequence, with timestamps.

Self-identifying maps

A QR code on each print auto-loads the matching 3D model and procedure.

Multi-board sync

Two boards, two cities, one exercise - a trainer corrects a crew live.

Prop kits as products

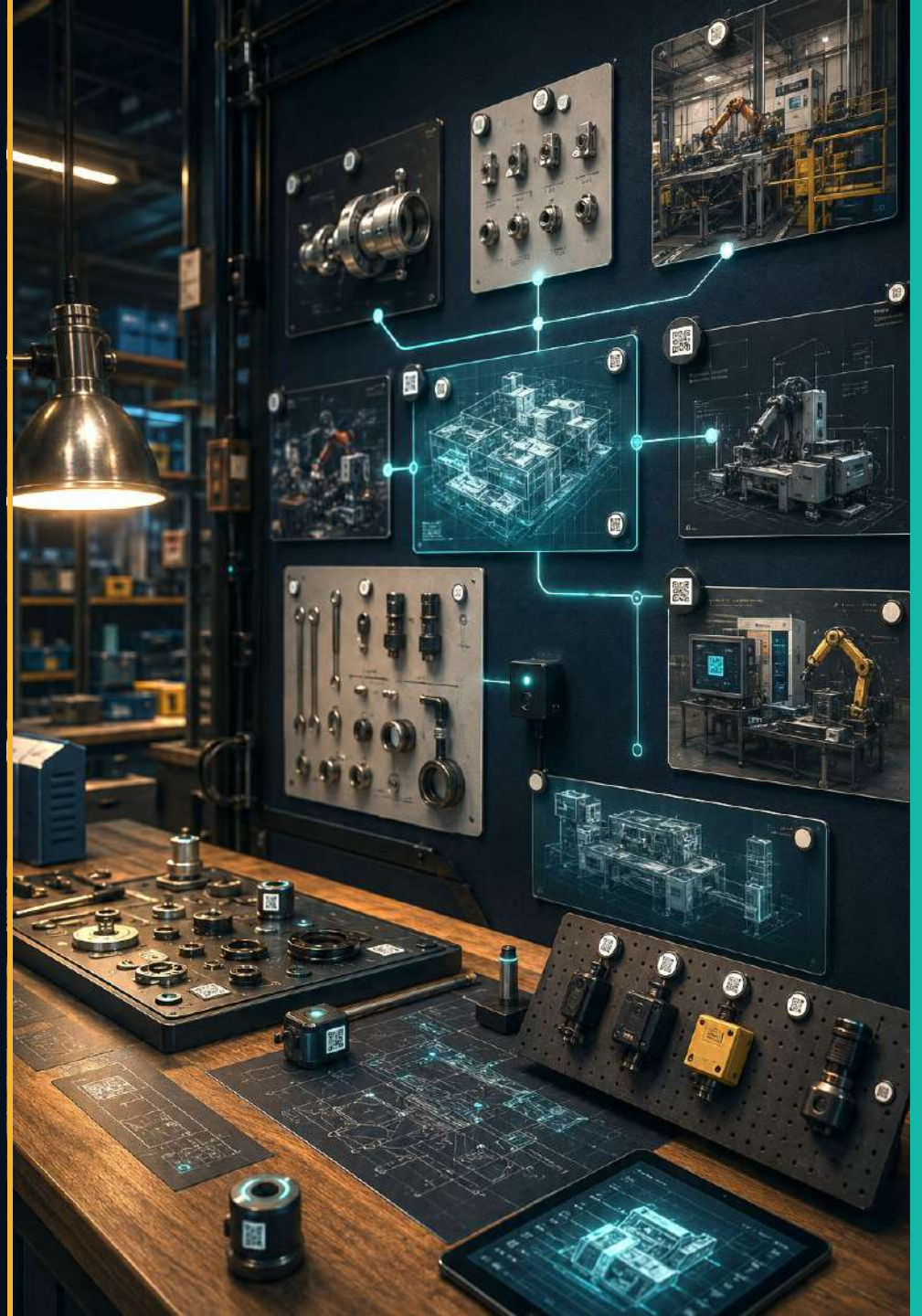
Scenario Factory auto-generates the board map and prop list for every encoded procedure.

1:1 briefing maps

Full-scale wall prints become a standalone pre-job briefing product for turnarounds.

Capture loop

Every real-asset photo feeds Genesis photo-to-simulation, improving the twin.



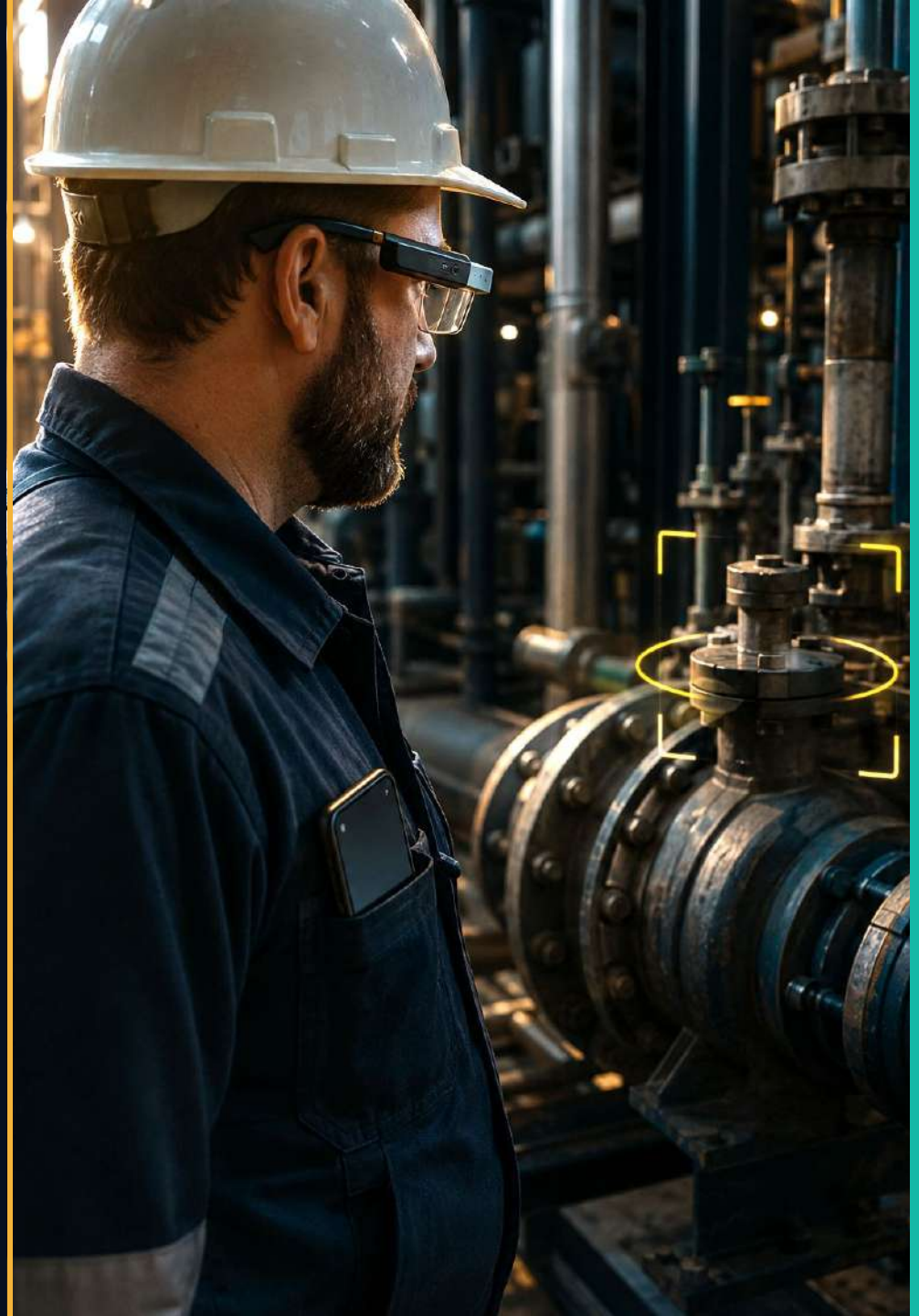
IN THE FIELD

Phone teaches. Glasses reinforce.

Today’s main-stream display AI glasses (such as Meta Display) serve flat images (there more pricy full AR glasses also). We design around it: hands-free, glanceable, impossible to get lost in.

1	**Learn on the phone**	**Master the procedure in Board** or Anywhere mode - full 3D, AI judging every step.
2	**Glasses on, phone away**	At the real equipment, **glasses serve one annotated animation or photo:** exact component, right angle, clear do-this marker.
3	**Confirm & advance**	**Glasses see the completed action, log it to Assess IQ,** and advance. Hands never leave the work.

Degrades gracefully: as glasses gain true AR, the same procedure content renders richer - nothing is rebuilt.



PROOF

Five numbers, all captured by AssessIQ

The headline to win: **Board-trained workers perform at near-parity** with **equipment-trained workers - at ~1/10 the cost**.

Sequence fidelity

Steps in the right order, first attempt

Transfer test

Board-trained performance on real equipment

Time-to-competency

Sessions until an **error-free run**

30-day retention

Same test, one month later, **no practice**

Cost per certified worker

The **CFO metric** in every proposal

That one transfer statistic carries the entire commercial story.

NEXT STEPS

From concept to evidence

Turn the modality story into your user-grade evidence.

1	**Lock the procedure and equipment**	**Live / Board / Anywhere** are working simulators- align with Genesis and Field IQ vocabulary.
2	**Build one Board prototype**	**One complete lockout/tagout procedure** with tagged props and AssessIQ logging end to end.
3	**Run the transfer study**	**Board-trained vs. video-trained groups**, tested on real equipment - generate the headline statistic.
4	**Claim your value & ROI with Scale**	Corporate wide t**Work Intelligence roll-out**

EON AI Ventures