X: +045.235 | Y: -112.670 | Z: +088.901
VEL: 0.45 m/s
HYD: 2450 PSI
SYS: OPTIMAL

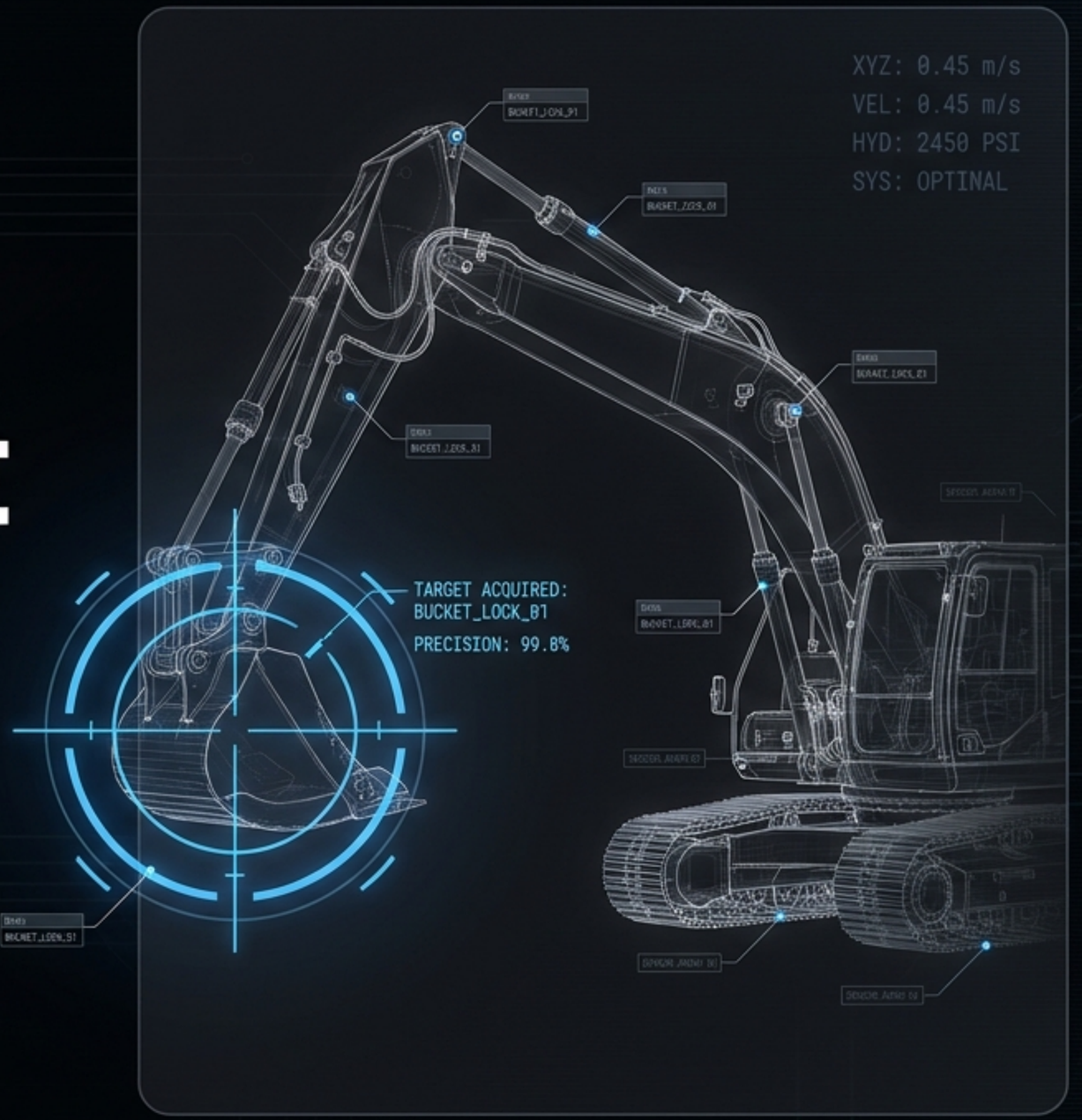
Game 00: Aim Lab Bucket

The FPS Aim Trainer for Heavy Hydraulics

LOADING SIMULATION: 100%

X: +045.235 | Y: -112.670 | Z: +088.901
VEL: 0.45 m/s
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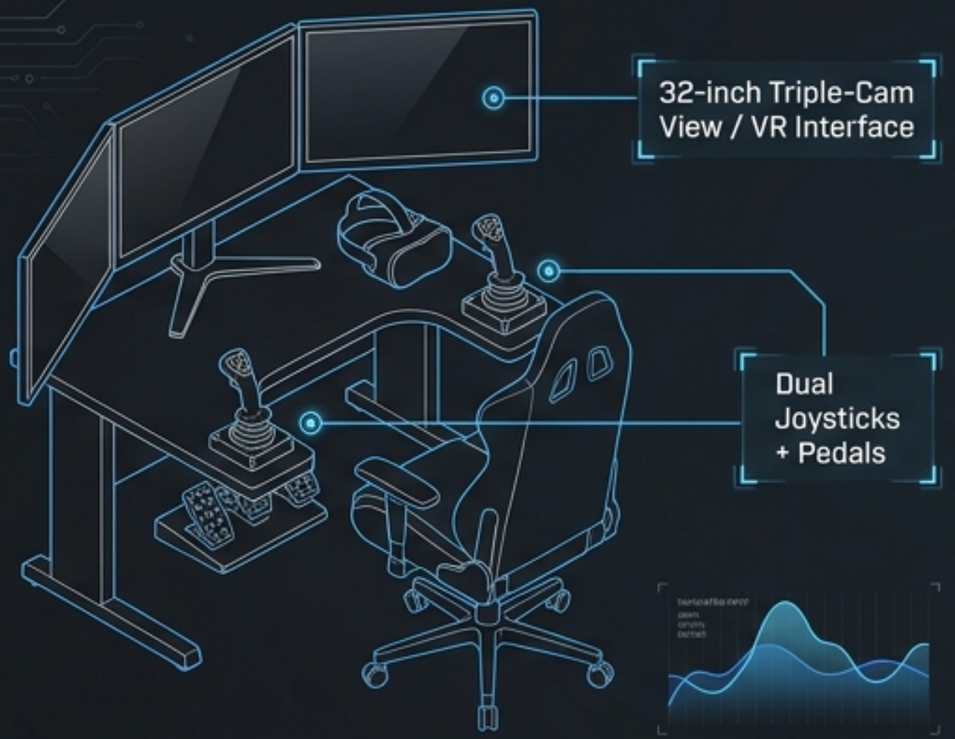
Operator Esports League | 120-Day Expert Curriculum



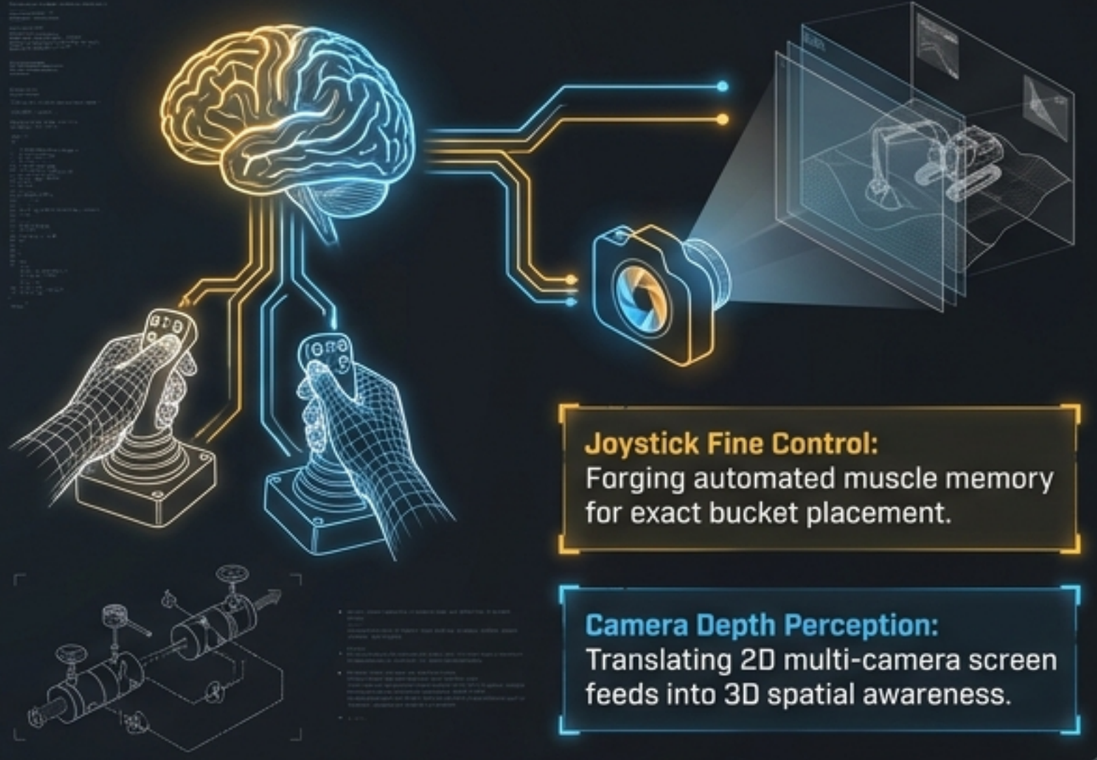
Gemini Notebook

Isolating the Core Heavy Equipment Stack

The Hardware Stack



The Cognitive Target



Joystick Fine Control:
Forging automated muscle memory for exact bucket placement.

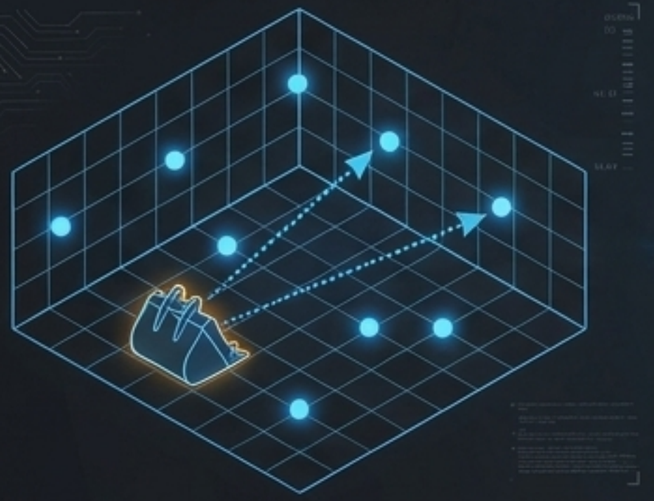
Camera Depth Perception:
Translating 2D multi-camera screen feeds into 3D spatial awareness.

These two foundational skills are non-negotiable for achieving Platinum Expert status.

Gemini Notebook

Decoding the Anatomy of a Single Repetition

Phase 1: Acquire
(Randomization)



Navigate bucket to one of 20 randomized 3D spatial targets.

Phase 2: Align
(Precision)



Achieve dead-center placement with less than 5 centimeters of spatial deviation.

Phase 3: Anchor
(Stability)



Hold perfectly still for 0.5 seconds to register completion.

Trainees execute 20–50 high-repetition sequences per session, accelerating automated reflex development.

Gemini Notebook

The Physics of Safety: Smoothness vs. Jerk



Jerk (Subjective Real-World Danger)

Erratic joystick inputs cause aggressive hydraulic pressure spikes, leading to structural wear, dropped loads, and tipping hazards.



Smoothness (Objective Esports Safety)

The system tracks joystick input curves in real-time, penalizing jerk and explicitly rewarding buttery-smooth transitions.

Clean beats fast. The system actively penalizes erratic speed to engineer a baseline safety instinct.

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THE OBJECTIVE SCORING ENGINE

Every single run uses the exact same map seed, ensuring 100% fair leaderboard comparisons across the cohort.



ACCURACY

Metric: Distance from target dead-center (<5cm)

EFFICIENCY

Metric: Total time to task completion

SAFETY

Metric: Smoothness score vs. Jerk / Violation tracking

```
Final Score = (Accuracy * 0.4) + (Efficiency * 0.3) + (Safety * 0.3)
```

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THE CERTIFICATION MATRIX: FROM ROOKIE TO MASTER

BRONZE GATE
Unlock Season 2

- 70+ ACCURACY SCORE
- 60+ EFFICIENCY SCORE
- ZERO CRUSH/TIP INCIDENTS

SILVER GATE
Unlock Season 3

- 85+ ACCURACY SCORE
- 80% PRO RATE

GOLD GATE
Unlock Season 4

- 92+ ACCURACY SCORE
- 90% PRO RATE

PLATINUM EXPERT
Day 120 Job Interview

elite

- 95+ ACCURACY SCORE
- 95% PRO RATE
- PRISTINE SAFETY RECORD (Zero flags in Finals)

elite

PROGRESSION IS STRICTLY MATHEMATICALLY GATED BY SAFETY AND PRECISION.

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ENGINEERING REPETITION: THE DAILY 6-HOUR LOOP



Gemini Notebook

FORGING THE PLATINUM OPERATOR

DAY 1 GAMER



- SUBJECTIVE BASELINE
- UNREFINED MUSCLE MEMORY
- REACTIVE INPUTS
- ZERO HEAVY EQUIPMENT EXPERIENCE

DAY 120 PLATINUM EXPERT





- OBJECTIVE PRECISION
- AUTOMATED SAFETY INSTINCTS
- MASTERED CAMERA DEPTH
- READY FOR REMOTE OPS CENTER DEPLOYMENT

Game 00 isolates the most vital foundational mechanics. By subjecting trainees to objective esports scoring and massive, safe repetition, we engineer operators who are not just competent, but certified masters of remote heavy equipment.

Gemini Notebook