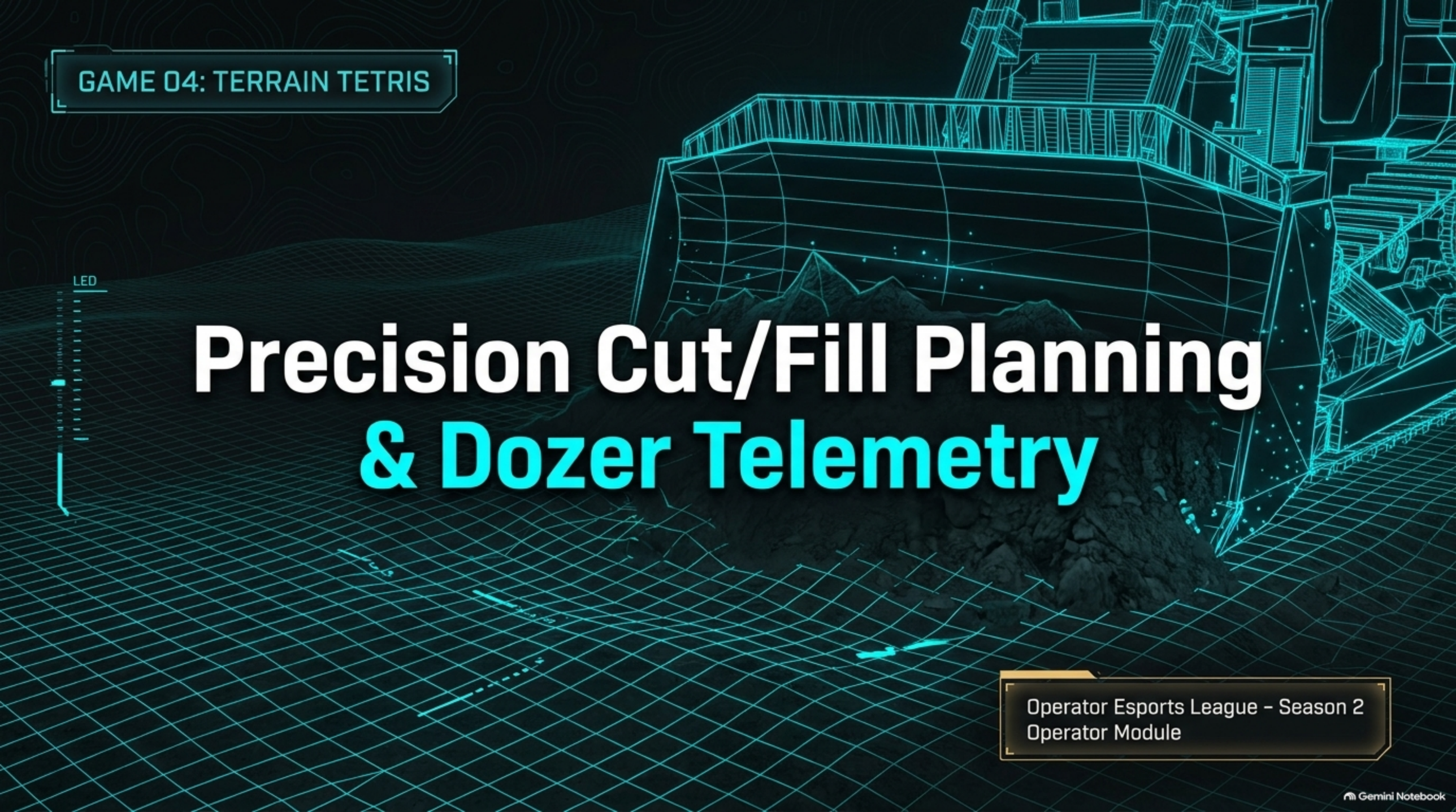
GAME 04: TERRAIN TETRIS

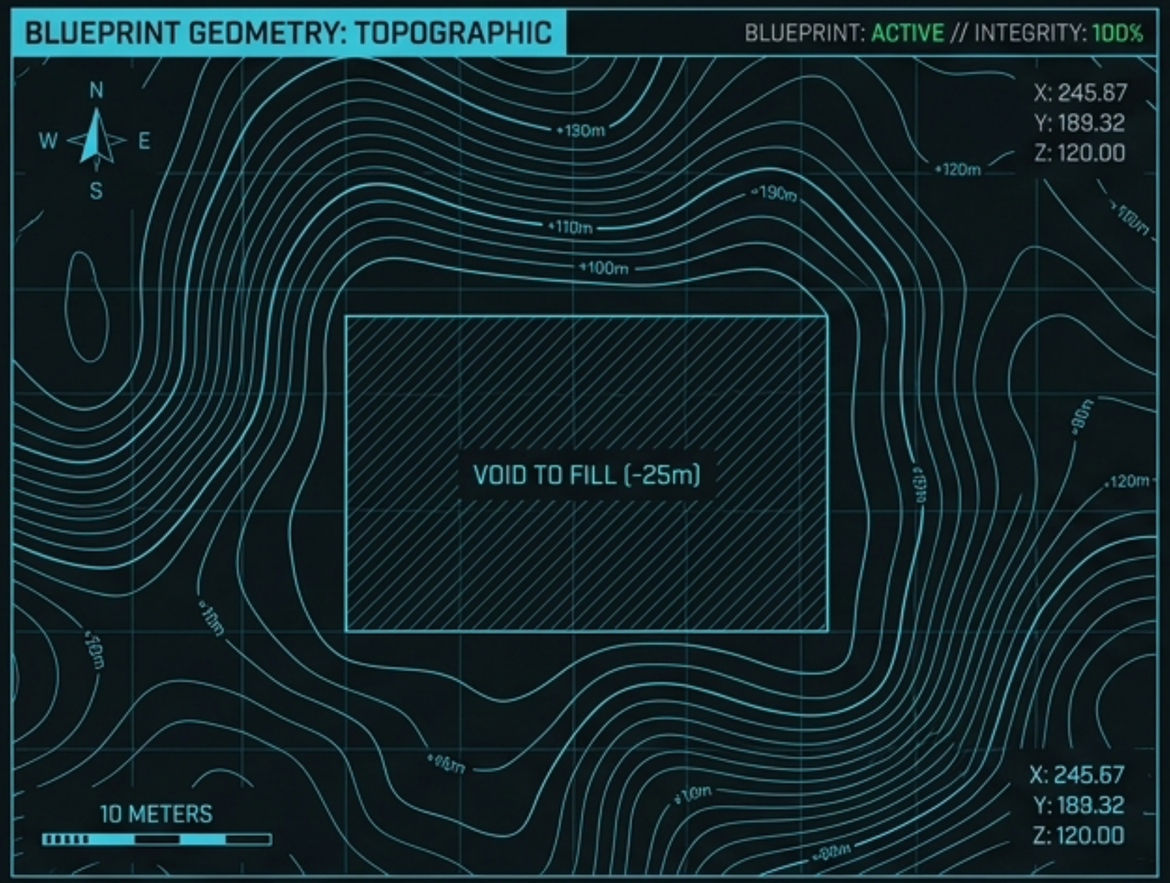


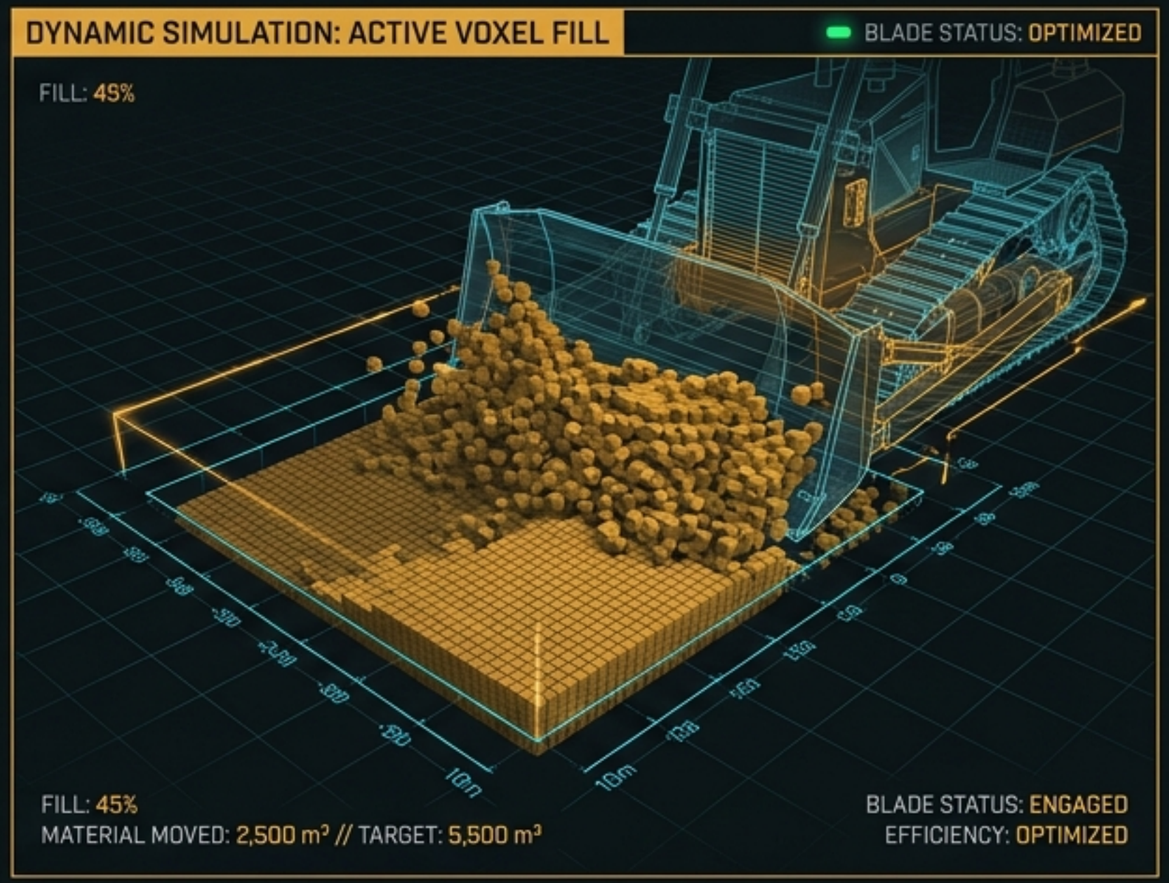
Precision Cut/Fill Planning & Dozer Telemetry

Operator Esports League – Season 2
Operator Module

Gemini Notebook

THE BLUEPRINT X-RAY // INDUSTRIAL SIMULATION TELEMETRY





THE GOAL:

Push dynamic material to perfectly fill a pre-defined blueprint void to grade.

THE CORE SKILL:

Real-time spatial cut/fill planning combined with flawless grade control.

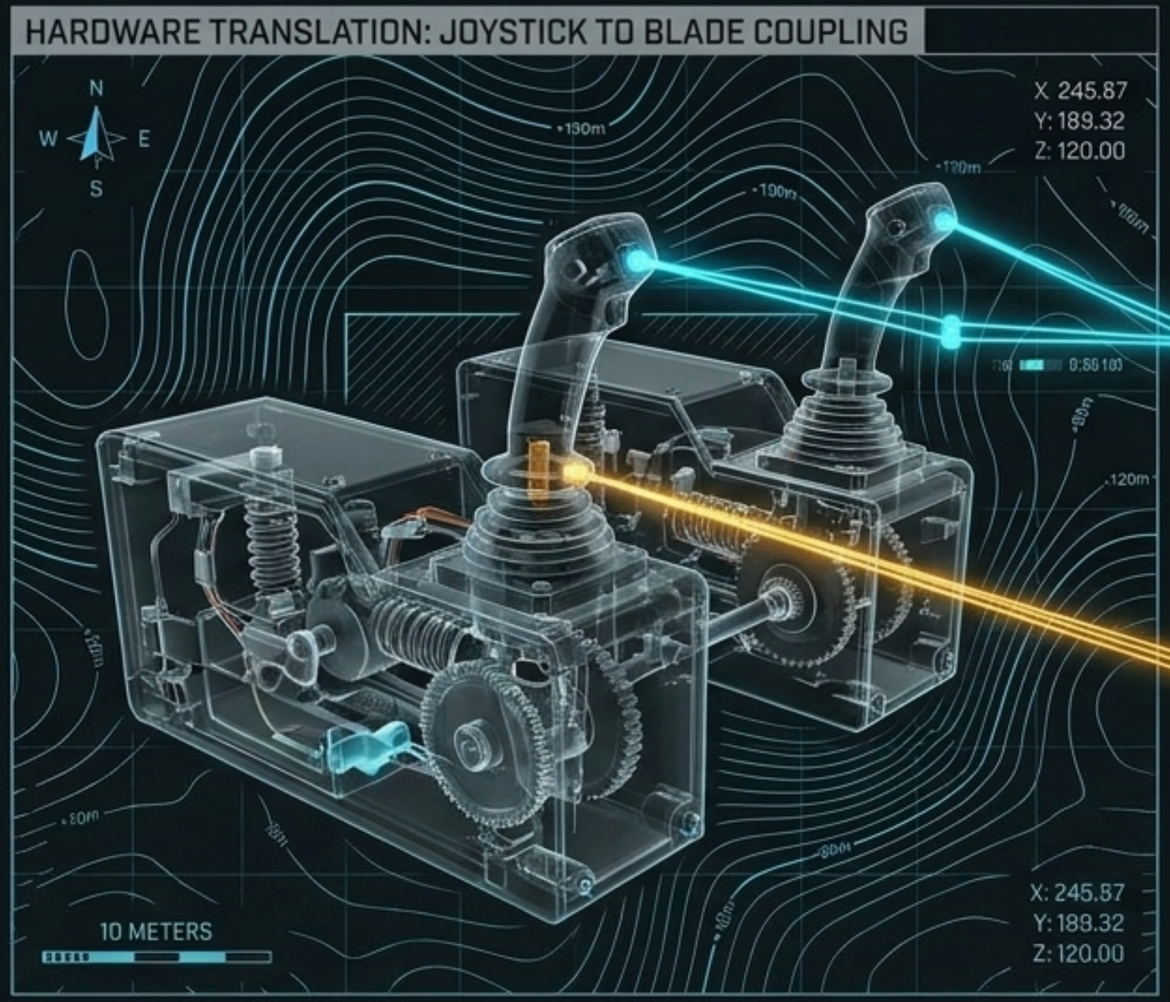
THE CONTEXT:

Season 2 (Days 31-60) — Transitioning trainees from basic mechanical operation to advanced, high-efficiency production skills.

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THE BLUEPRINT X-RAY // INDUSTRIAL SIMULATION TELEMETRY

HARDWARE TRANSLATION: JOYSTICK TO BLADE COUPLING



HEIGHT CONTROL WIDGET

Absolute vertical lock. Maintain constant blade height over rapidly changing, uneven terrain.

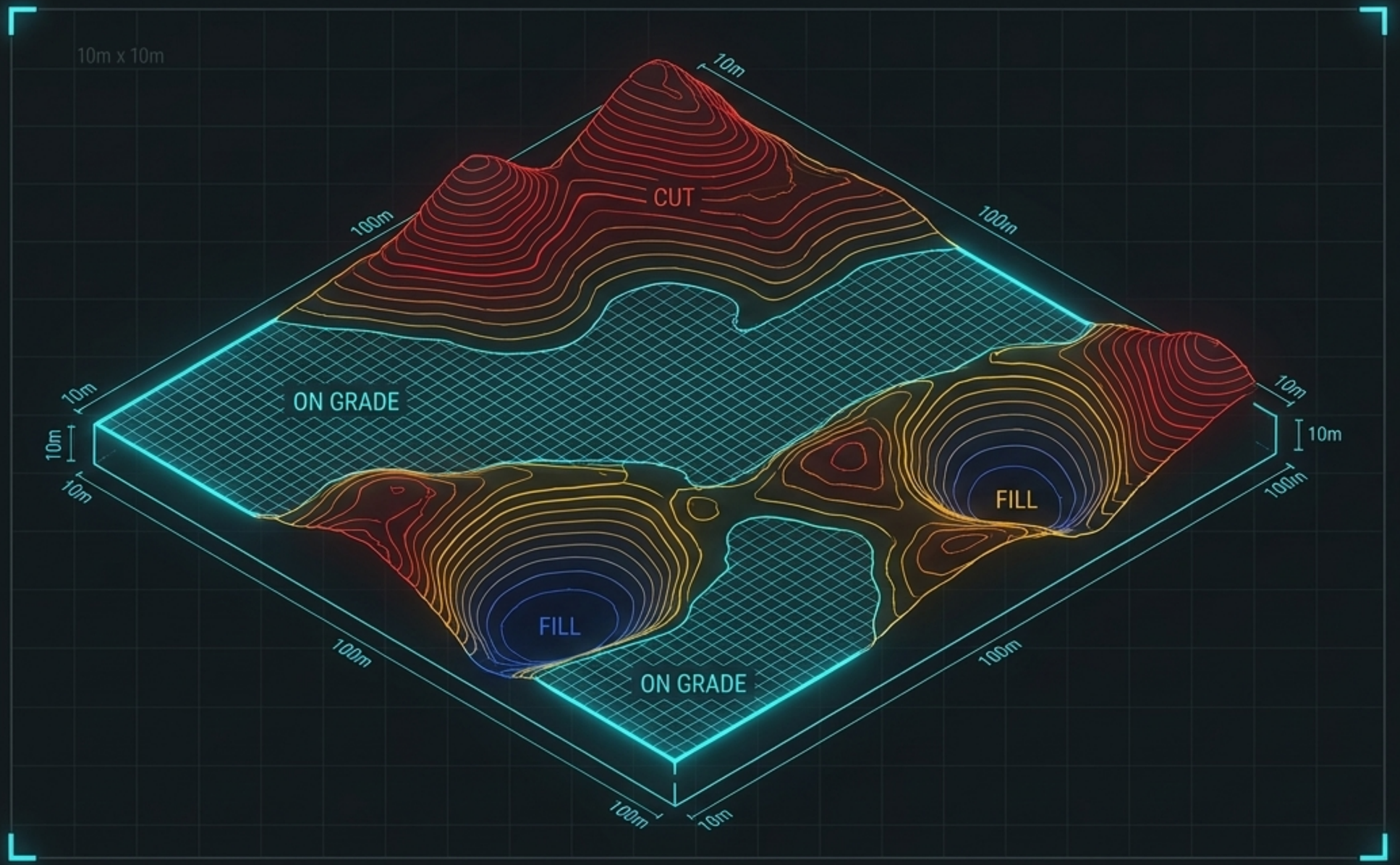
PITCH CONTROL WIDGET

Angle of attack. Continuous tilt adjustments required to peel layers (cut) or roll material forward (carry).

HARDWARE TRANSLATION NOTE: Converting high-APM (Actions Per Minute) gamer motor skills directly into heavy equipment hydraulic reflexes.

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THE BLUEPRINT X-RAY // INDUSTRIAL SIMULATION TELEMETRY



THE MAP SEED

100m³ procedurally generated terrain block.

THE COGNITIVE CHALLENGE

Calculating the most fuel- and time-efficient path to move high spots into low spots without reworking material.

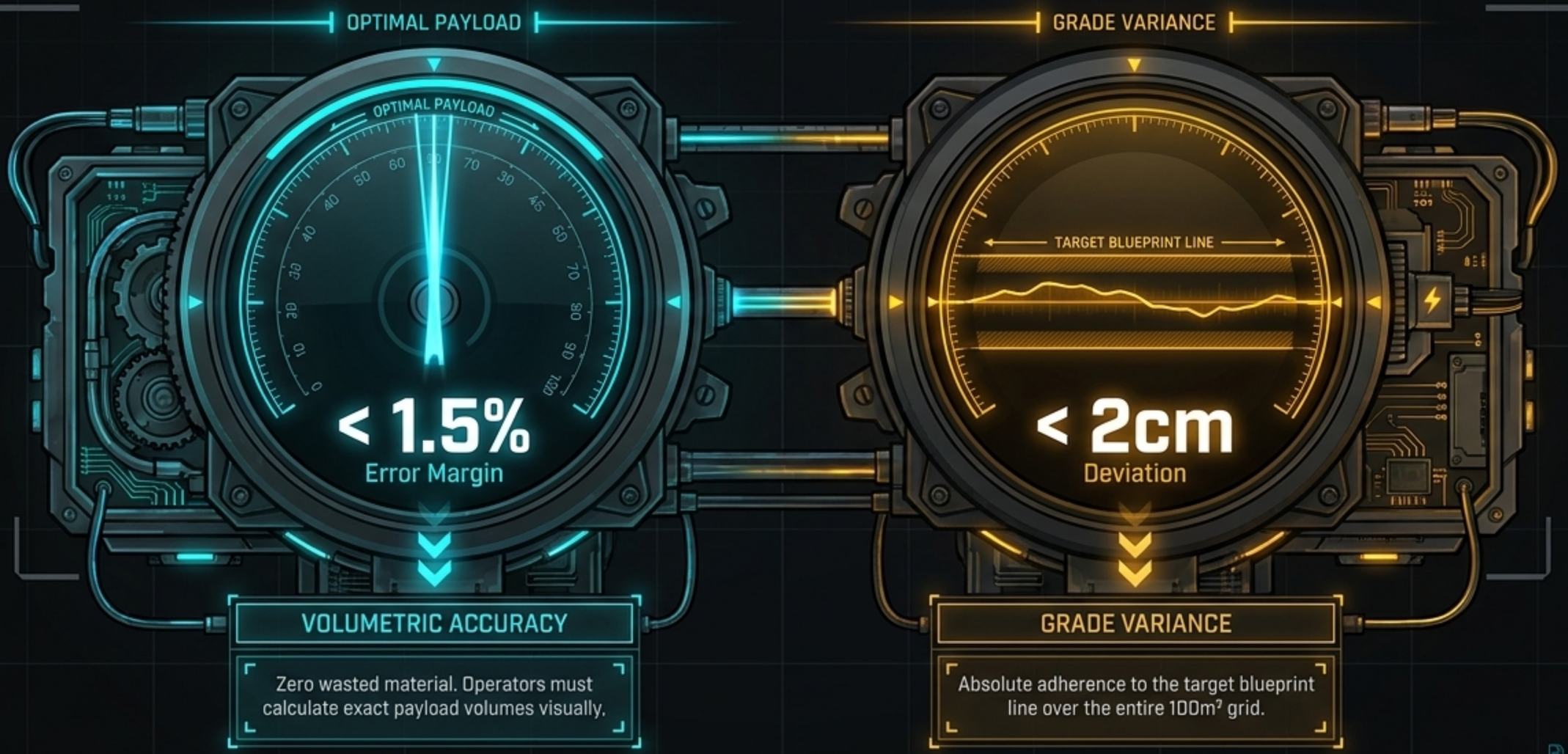
THE BASELINE FAIRNESS

Every single operator in the weekly tournament bracket runs the exact same digital seed map, eliminating environmental variables.

Gemini Notebook

THE BLUEPRINT X-RAY // INDUSTRIAL SIMULATION TELEMETRY

PRECISION PERFORMANCE INDICATORS



VOLUMETRIC ACCURACY

Zero wasted material. Operators must calculate exact payload volumes visually.

GRADE VARIANCE

Absolute adherence to the target blueprint line over the entire 100m² grid.

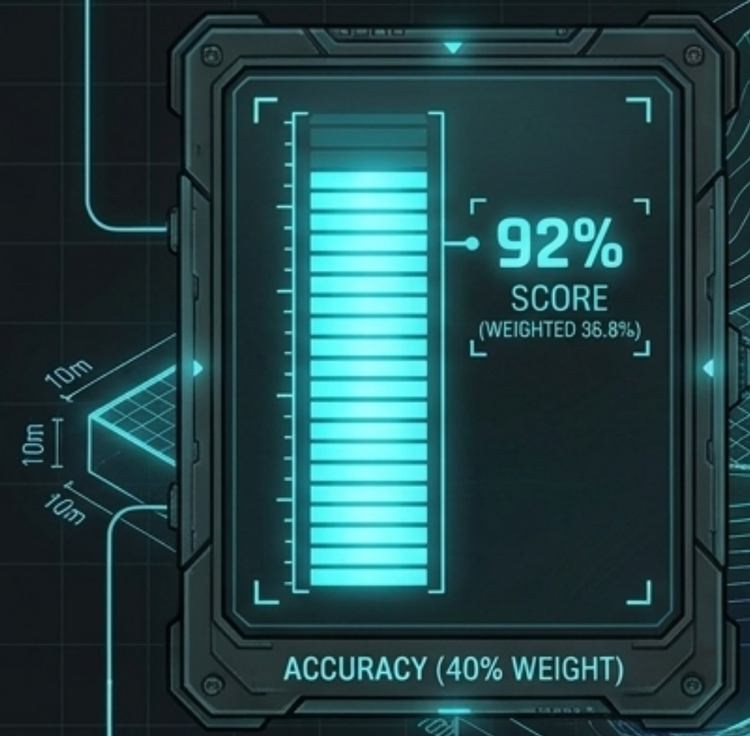
SYSTEM: **ONLINE** // TELEMETRY: **STREAMING**

DATA RATE: **1.2 GBPS**

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FINAL WEIGHTED SCORE ALGORITHM // PRECISION PERFORMANCE METRICS

TOTAL WEIGHTED SCORE: **90.8%** // PERFORMANCE RATING: **ELITE OPERATOR**



ACCURACY (40% WEIGHT)



EFFICIENCY (30% WEIGHT)



SAFETY (30% WEIGHT)

EVALUATES GRADE VARIANCE & VOLUMETRIC PLACEMENT ERROR

Does the final grid perfectly match the blueprint? Tracks mean absolute deviation and exact material volume.

EVALUATES TIME & FUEL

Tracks load-haul cycle math, exact cycle times, and fuel conservation via optimized pathing. Monitors engine idle, dump accuracy, and total operational hours.

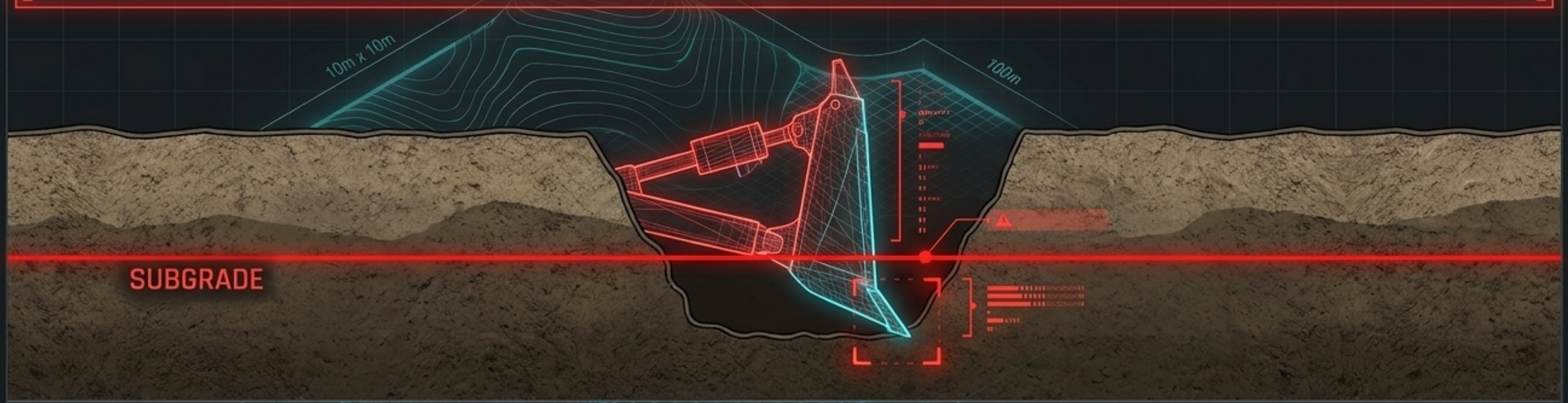
THE NON-NEGOTIABLE BASELINE

Evaluates physical violations, crush/tip thresholds, and E-stop reaction times. Logs collision warnings, speed limit breaches, and emergency system activations.

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CRITICAL FLAG BARNING // SYNONATICAS OPERATIONS

CRITICAL FLAG



THE VIOLATION

Subgrade Over-Excavation.

THE TELEMETRY PENALTY

Immediate, severe deduction to the 30% Safety score, effectively zeroing out the run's XP yield and halting bracket progression.

THE REAL-WORLD TRANSLATION

Cutting too deep compromises foundation integrity and mandates expensive structural fill rework. In Game 04, progression is completely gated by safety.

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ASSESSMENT PARADIGM SHIFT // COMPARISON MATRIX

10m x 10m

	TRADITIONAL RIDE-ALONG ASSESSMENT	GAME 04 TELEMETRY ASSESSMENT
ENVIRONMENT BASELINE	Variable conditions (mud, rain, shifting soil) making comparisons impossible.	Identical 100m² map seeds ensuring absolute 1:1 fairness across all trainees.
ASSESSMENT GRANULARITY	Instructor eyeball test ("Looks roughly to grade").	Sub-2cm variance and <1.5% volumetric error tracked at 60 frames per second.
FEEDBACK LOOP	Subjective post-job verbal debrief.	Frame-by-frame VOD (Video on Demand) replay with on-screen telestrator coaching.

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XP TRAJECTORY // TIERED PROGRESSION STAIRCASE

SYSTEMI ONLINE // TELEMETRYI STREAMING



BRONZE
(SEASON 2 UNLOCK)

70+ ACCURACY,
60+ EFFICIENCY,
ZERO CRUSH/TIP VIOLATIONS.

SILVER
(SEASON 3 UNLOCK)

85+ ACCURACY,
MAINTAINING AN 80% PRO RATE,
< 2 MINOR FLAGS/WEEK.

GOLD
(SEASON 4 UNLOCK)

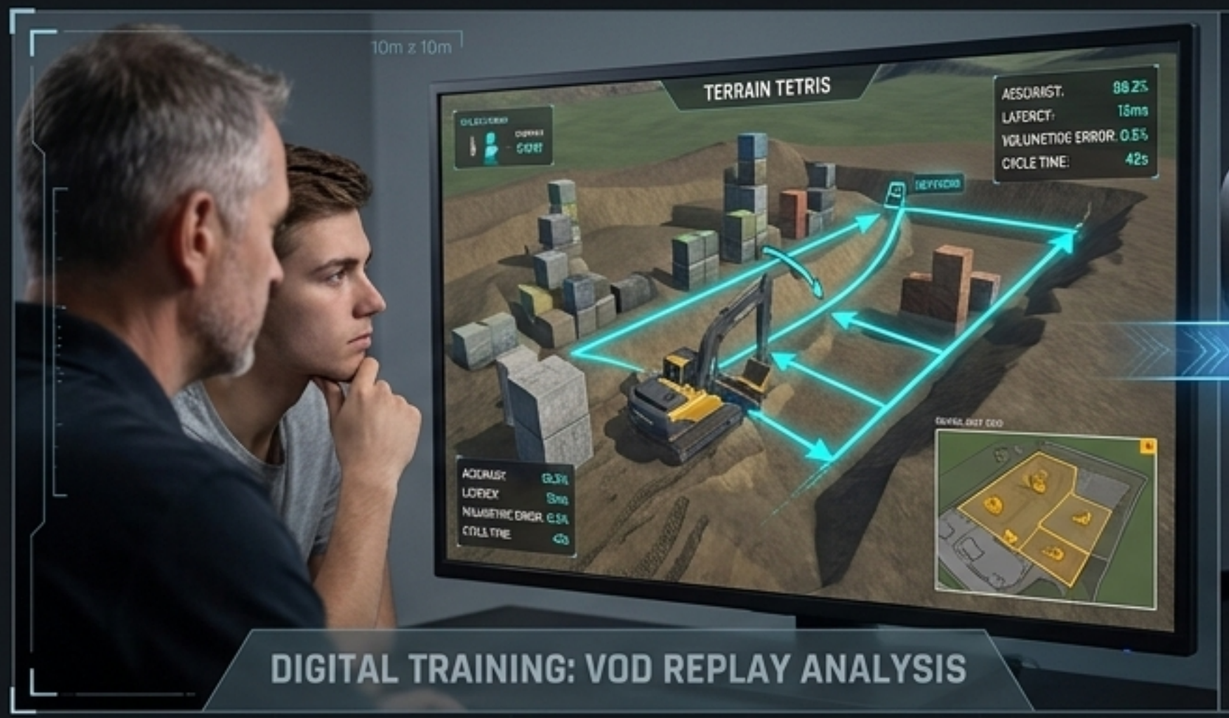
92+ ACCURACY,
90% PRO RATE,
< 1 FLAG/WEEK.

PLATINUM EXPERT
(DAY 120 FINALS)

95+ ACCURACY ON CAPSTONE,
95% EFFICIENCY RATE, ABSOLUTE
ZERO SAFETY FLAGS UNDER LIVE
TOURNAMENT PRESSURE.

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REAL-WORLD OPERATOR READINESS // DIGITAL TO ANALOG TRANSITION



DIGITAL TRAINING: VOD REPLAY ANALYSIS



REAL-WORLD OPERATIONS: LATENCY COMPENSATION

MICRO-LESSONS TO MACRO-SUCCESS

120 days from gamer to Platinum-certified remote operator.

INDISPUTABLE PROOF

Subjective resumes replaced by 60fps objective telemetry logs for hiring contractors.

THE OUTPUT

Operators hardwired for latency compensation, sub-centimeter accuracy, and absolute safety.

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