[TELEMETRY_ONLINE] // OEL_CURRICULUM_DAY_31_60

00:00:00:00

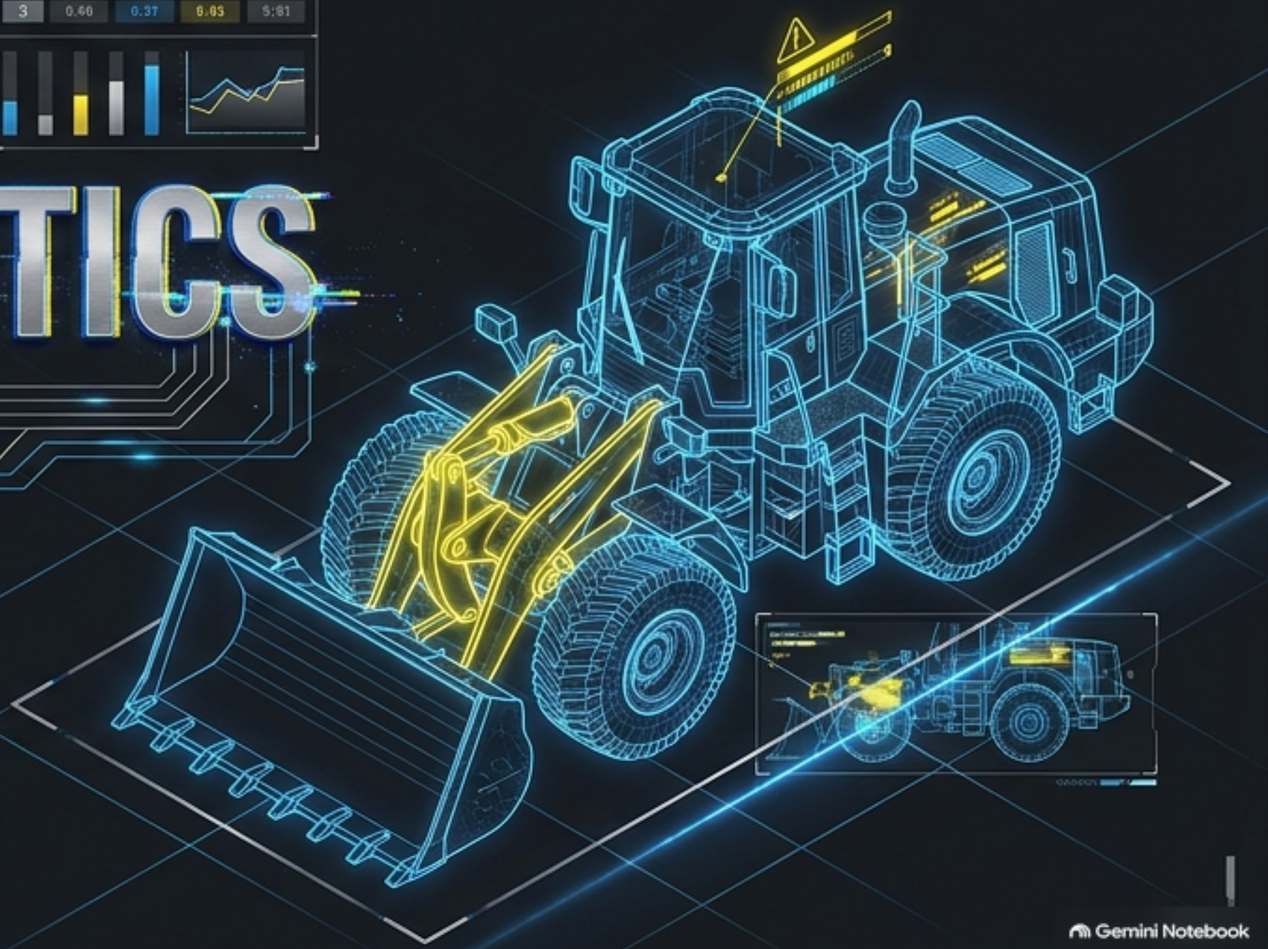
PAYLOAD CAPACITY:
24.5 TONS

EFFICIENCY SCORE:
--

OVERLOAD PENALTY:
INACTIVE

GAME 03: LOADOUT LOGISTICS

The 24.5-Ton Puzzle: Optimizing Payload, Efficiency, and the Overload Penalty.



Season 2 / Operator / Production Skills

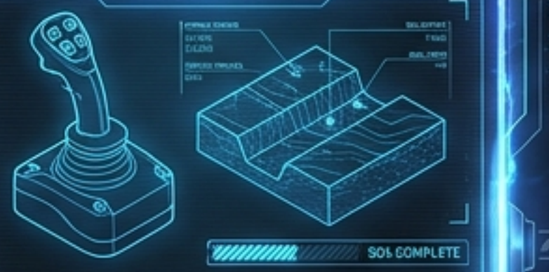
Gemini Notebook

THE EVOLUTION OF AN OPERATOR: SEASON 2



SEASON 1: ROOKIE BOOTCAMP

DAYS 1-30: MECHANICS + SAFETY INSTINCT (AIM LAB, BLADE BALANCE).



SEASON 2: OPERATOR

DAYS 31-60: PRODUCTION SKILLS. TRANSITIONING FROM BASIC JOYSTICK CONTROL TO CYCLE MATH, TRENCHING STANDARDS, AND SOIL PHYSICS.

LOCKED



SEASON 3: PRO LEAGUE

LOCKED



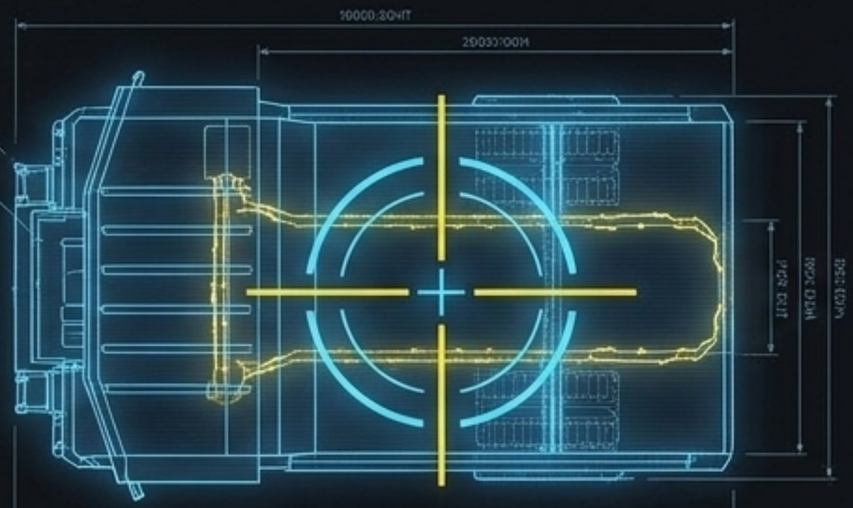
SEASON 4: MASTERS

THE GAME 03 OBJECTIVE: ACTS AS THE ULTIMATE TEST OF THE LOAD-HAUL CYCLE. TRAINEES MUST HIT EXACT PAYLOAD TARGETS WITHOUT TRIGGERING SAFETY VIOLATIONS.

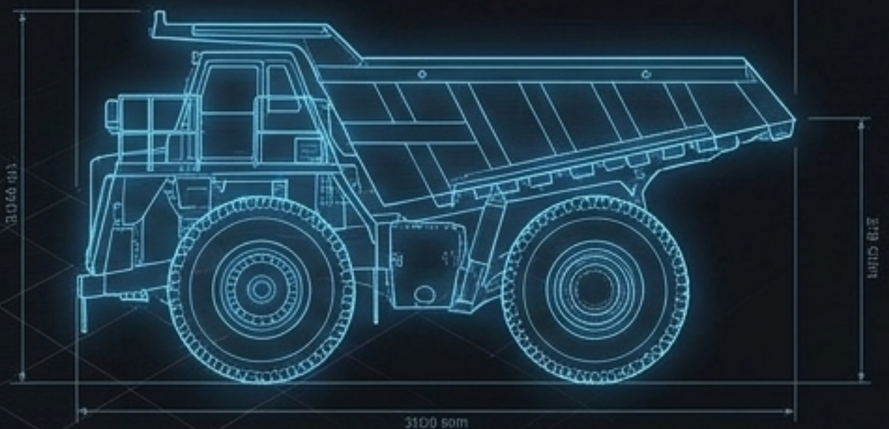


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THE TACTICAL OBJECTIVE: THE 24.5t PUZZLE



TARGET_CAPACITY: 24.5t



CORE MECHANIC: Hit exact payload—e.g., 24.5 tons—without triggering an overload.

THE CATCH: Every run uses the exact same map seed for fairness. The variable is the operator's ability to balance speed against the unforgiving penalty of a single, spilled drop over the safety limit.

SKILL FOCUS: Exact payload estimation + Bucket fill factor optimization.

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THE MACHINE STACK: LOADER + TRUCK

DATA TRANSMISSION: STABLE

SYSTEM STATUS: ONLINE
USER: TRAINEE_001

HARDWARE

Small-footprint simulator with 2 joysticks and pedals.



VISUALS

32-inch triple cam view (or VR) to simulate field-of-view and camera depth perception.

SOFTWARE

Live tournament leaderboard and telemetry overlay, tracking accuracy, efficiency, and safety in real-time.

DATA TRANSMISSION: STABLE

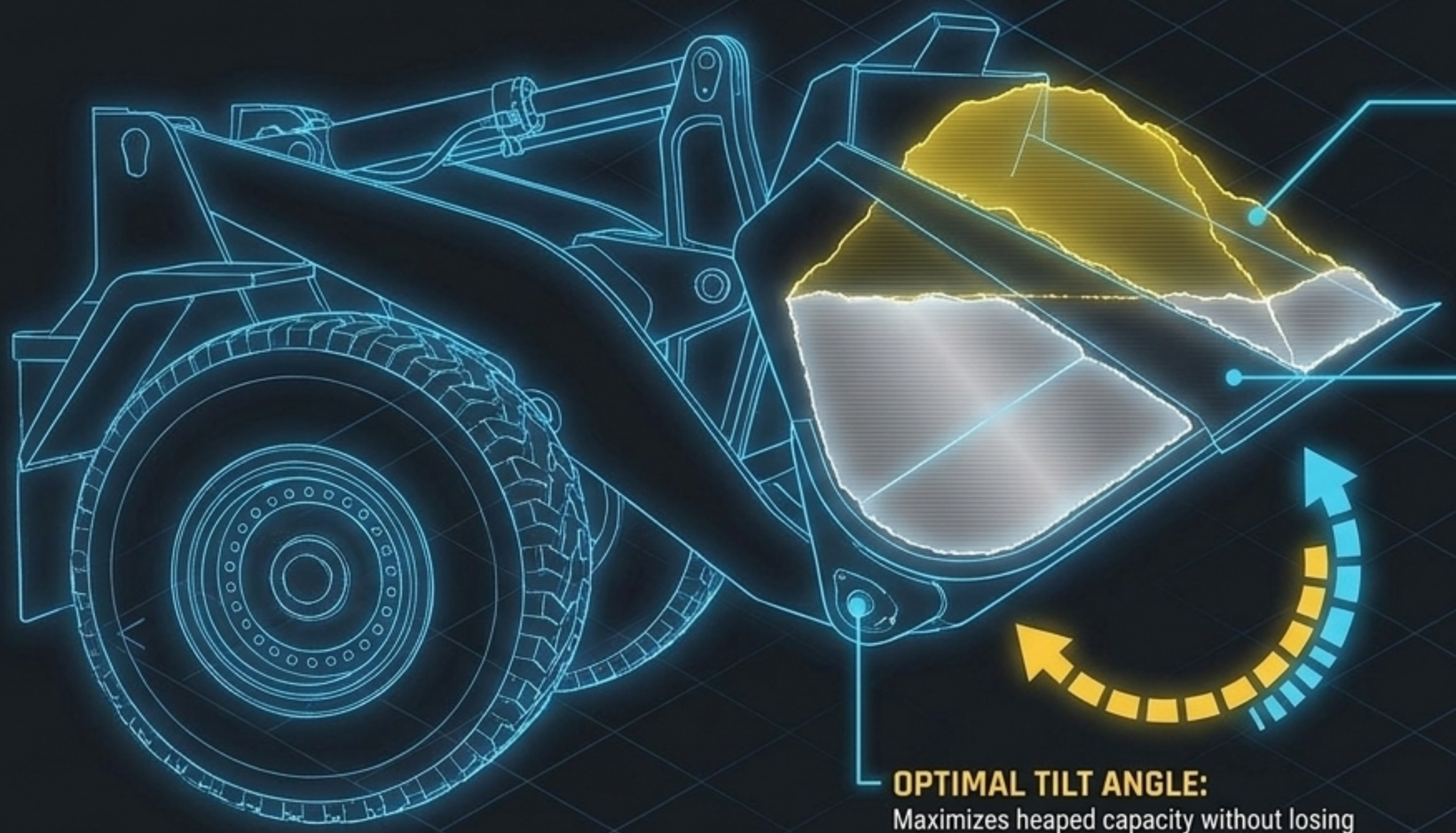
T-MINUS 00:45:32

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BUCKET FILL FACTOR OPTIMIZATION

DATA TRANSMISSION: STABLE

SYSTEM STATUS: ONLINE // DATA TRANSMISSION: STABLE // USER: TRAINEE_001 // T-MINUS 00:45:22



SAFETY YELLOW ZONE (HEAPED CAPACITY):
The additional volume stacked above the edge. This is the danger zone for spillage.

PLATINUM ZONE (STRUCK CAPACITY):
The baseline volume of material sitting level with the bucket's edges.

OPTIMAL TILT ANGLE:
Maximizes heaped capacity without losing material during the swing.
CURRENT: 45° // TARGET: 52° // DEVIATION: +3%

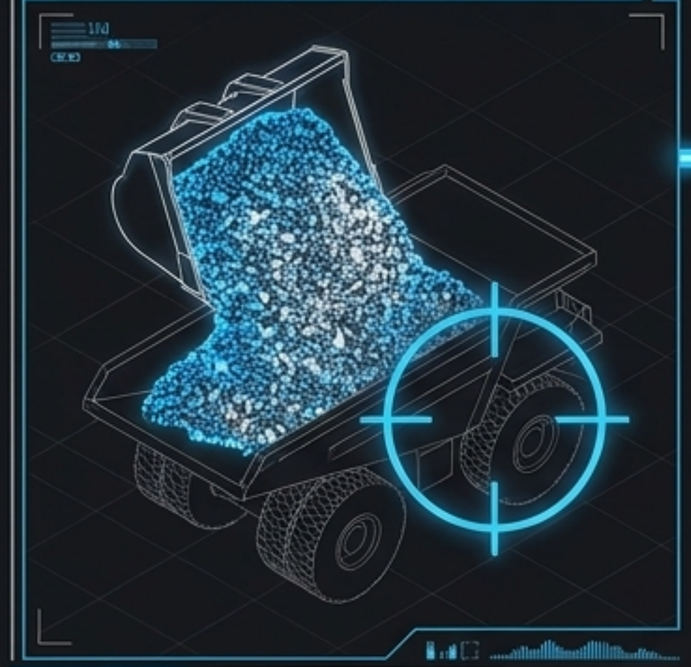
CLASSROOM TIE-IN:
Tied directly to morning classroom micro-lessons on cut/fill math and soil behavior.
INTEGRATION LEVEL: HIGH

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THE 3-PASS LOADOUT STRATEGY

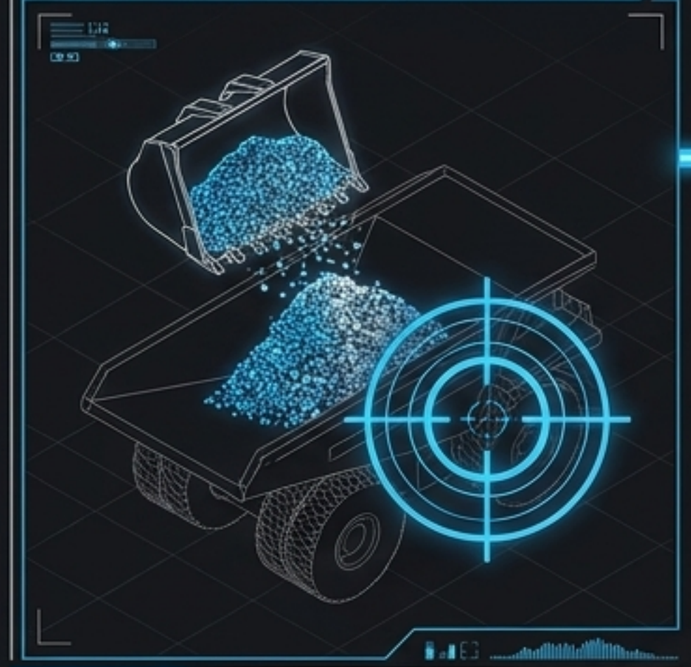
SYSTEM STATUS: ONLINE // DATA TRANSMISSION: STABLE // USER: TRAINEE_001 // T-MINUS 00:45:10

STEP 1: BASE PASS



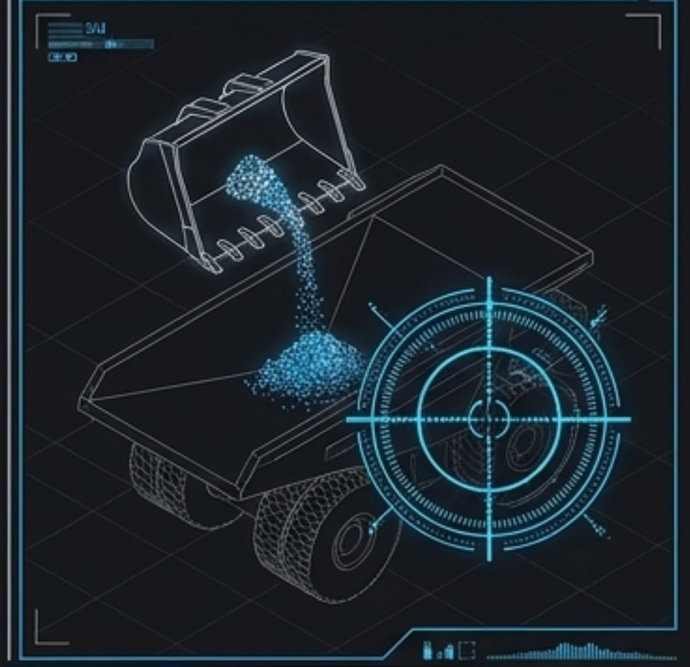
Maximum Volume
Fill factor optimized for pure tonnage.
High speed, low placement penalty risk.

STEP 2: BULK PASS



Volume + Assessment
Adjusting the second bucket based on the bed's current payload telemetry.

STEP 3: TRIM PASS



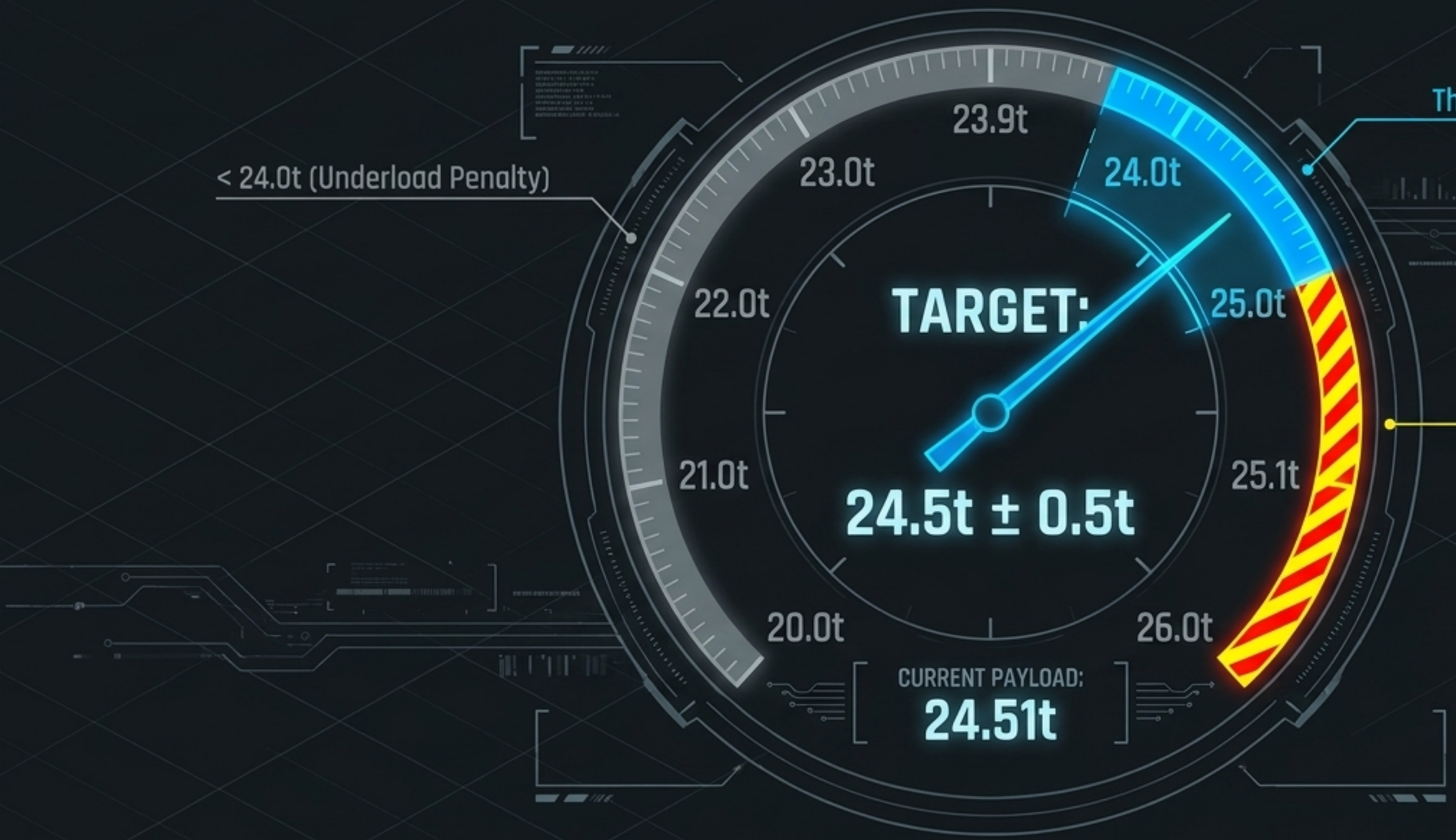
Pure Precision
"Dribbling" material to hit the exact target fraction. Volume decreases; precision requirement spikes.

T-MINUS 00:45:10
DATA TRANSMISSION: STABLE

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THE TRIM PASS: RIDING THE KNIFE-EDGE

SYSTEM STATUS: ONLINE // DATA TRANSMISSION: STABLE // USER: TRAINEE_001 // T-MINUS 00:44:55



DATA CARD

THE TENSION:

The ultimate esports tension. Pushing for maximum payload efficiency (24.9t) rests right on the edge of a catastrophic safety violation.

SYSTEM STATUS: ONLINE // DATA TRANSMISSION: STABLE // USER: TRAINEE_001 //

Gemini Notebook

THE 40/30/30 SCORING ENGINE

SYSTEM STATUS: **ONLINE** // DATA TRANSMISSION: **STABLE** // USER: **TRAINEE_001** // T-MINUS **00:44:10**

ACCURACY (40%)

Grade and placement error.

(Did you spill? Did you hit the payload target?).

96.5%



EFFICIENCY (30%)

Cycle time and fuel usage.

(Were you fast? Was the load haul cycle optimized?).

CYCLE TIME: 1:45.32 // FUEL LOAD: OPTIMAL

SAFETY (30%)

Violations and overloads.

VIOLATION COUNT: 0 // OVERLOAD RISK: LOW

CORE RULE: CLEAN BEATS FAST. A PERFECT EFFICIENCY SCORE IS MATHEMATICALLY USELESS IF SAFETY DROPS.

T-MINUS 00:44:10
DATA TRANSMISSION: STABLE

Gemini Notebook

THE OVERLOAD PENALTY DROP-OFF

SYSTEM STATUS: ONLINE // DATA TRANSMISSION: STABLE // USER: TRAINEE_001 // T-MINUS 00:44:10



THE LESSON: Risking an overload to shave two seconds off a cycle time will destroy your weekly bracket ranking. Instinctive safety is engineered through score preservation.

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THE CERTIFICATION MATRIX: BRONZE TO PLATINUM

SYSTEM STATUS: **ONLINE** // DATA TRANSMISSION: **STABLE** // USER: **TRAINEE_001** // T-MINUS **00:44:10**

DIAGNOSTIC	BRONZE OPERATOR	PLATINUM EXPERT
REQUIREMENTS	70+ Acc, 60+ Eff, 0 crush/tip	95+ Acc, 95% pro rate, 0 flags
PACING	Chases speed, erratic cycle times	Metronomic rhythm, smooth joystick control
FILL FACTOR	Spills material, poor tilt angle	Perfect heaped capacity, zero spill percentage
THE TRIM PASS	Guesses final weight, risks overload flag	Reads telemetry perfectly, nails 24.5t without fail

CORE RULE: INSTINCTIVE SAFETY IS ENGINEERED THROUGH SCORE PRESERVATION. THE PATH TO PLATINUM IS PRECISION, NOT SPEED.

T-MINUS 00:44:10
DATA TRANSMISSION: STABLE

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THE DAILY ESPORTS LOOP (6-HOUR DAY)

SYSTEM STATUS. **ONLINE** // DATA TRANSMISSION: **STABLE** // USER: **TRAINEE_001** // T-MINUS **00:44:10**

09:00 - 09:45

CLASSROOM MICRO-LESSON

Theory, load cycle math, truck payload specs.





09:45 - 12:00

FOCUSED GAME DRILLS

20-50 repetitions of Loadout Logistics, building aim-trainer-style muscle memory.

14:00 - 14:30

VOD REVIEW

Replaying the runs for coaching and correction.





12:30 - 14:00

RANKED TOURNAMENT

Weekly 1v1 bracket using the exact same map seed for true objective fairness.

CORE RULE: CONSISTENCY IS ENGINEERED THROUGH REPETITION. MASTERY REQUIRES DAILY SYNCHRONIZATION WITH THE LOOP.

T-MINUS 00:44:10
DATA TRANSMISSION: STABLE

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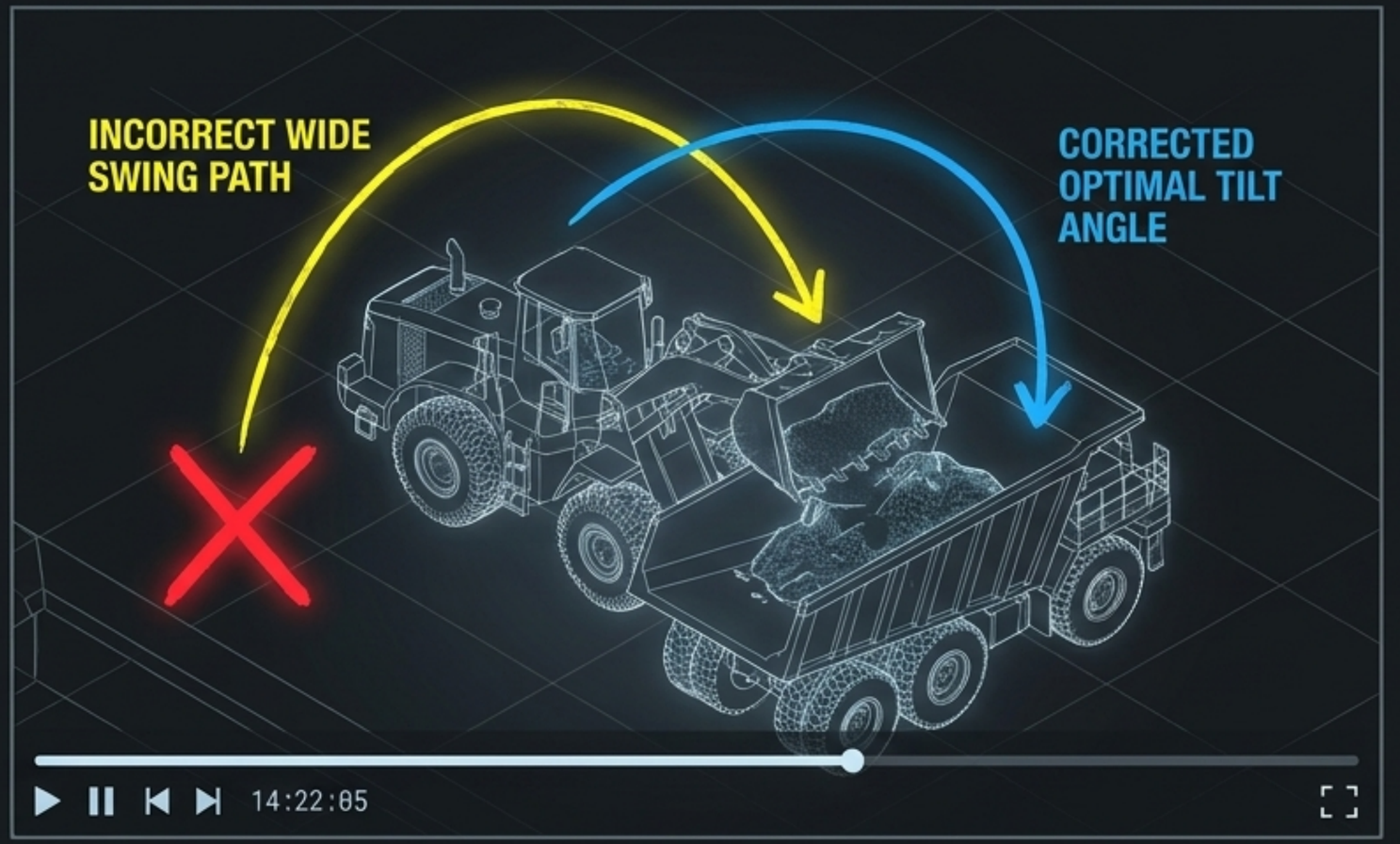
VOD REVIEW: OBJECTIVE COACHING

SYSTEM STATUS: ONLINE // VOD PLAYBACK: PAUSED // USER: COACH_002 // T-MINUS 00:44:10

THE ESPORTS ADVANTAGE

Traditional training relies on subjective instructor opinion from the ground.

OEL uses esports coaching: exact replay, frame-by-frame analysis.



TACTICAL BREAKDOWN

Coach highlights placement error, evaluates the precise moment a safety flag was triggered, and corrects bucket tilt angle visually.

CORE RULE: INSTINCTIVE SAFETY IS ENGINEERED THROUGH SCORE PRESERVATION.
THE PATH TO PLATINUM IS PRECISION, NOT SPEED.

T-MINUS 00:44:10
DATA TRANSMISSION: STABLE

Gemini Notebook

OBJECTIVE PROOF FOR EMPLOYERS

SYSTEM STATUS: ONLINE // DATA TRANSMISSION: SECURE // USER: ADMINISTRATOR // T-MINUS 00:44:10



ACCURACY: 99.8%

EFFICIENCY: 95.4%

SAFETY: 100.0%

TIME: 120 DAYS

VIOLATIONS: 0

MAP SEED: A3F9C2





THE TRACKER ENGINE

Every one of the 120 days is logged. (Player ID, Game, Accuracy, Efficiency, Efficiency, Safety, Time, Violations, Map Seed).



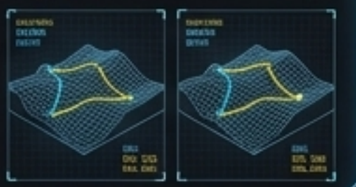
AUTO-CALCULATION

Tiers (Bronze to Platinum) unlock automatically based on mathematical algorithms, not human grading.



FAIR COMPARISON

'Same Map Seed' architecture ensures every trainee faces the exact same soil resistance and haul distance.



⚠ CORE RULE: OBJECTIVE DATA INTEGRITY BUILDS UNQUESTIONABLE TRUST. EMPLOYERS REQUIRE PROVEN METRICS, NOT SUBJECTIVE CLAIMS. ⚠

T-MINUS ONLINE

DATA TRANSM

Gemini Notebook

FROM GAMER TO PLATINUM OPERATOR



Game 03: Loadout Logistics doesn't just simulate a wheel loader. It transforms the physics of a 24.5-ton load-haul cycle into a competitive, mathematical reflex.

THE RESULT: By the time a trainee hits Platinum Expert, target payload matching, fill factor optimization, and zero-violation safety are no longer conscious efforts. They are automatic, esports-honed instincts. Ready for the live site.

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