Mossland 2025 Q3 Report:

MOSSLAND TEAM

17 OCTOBER 2025

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Executive Summary

Executive Summary

Q3 Highlights

- MOC Network Migration. Deployment of the new ERC-20 contract on Ethereum is complete; the project is entering the pre-swap execution phase.
- Governance. The on-chain migration proposal was approved; publication of process and rationale enhanced transparency.
- Trading Channels. With the Coinone KRW listing on 2025-08-14 (KST), MOC completed listings across Korea's three major exchanges.
- Product / Platform. Released operational convenience features in Agora (aggregation and CSV export), expanded the Live Game Center lineup, and consolidated the Digital Twin (Revit × Tandem) workflow.
- Community (Scheduled Payouts). "Migration Quiz" — 12 winners (4,167 MOC each); "Migration Understanding Confirmation" — 172 valid participants (291 MOC each). Payouts will proceed sequentially after KYC completion.
- Migration Communications. Legacy pathways were retired and guidance was refined to reduce confusion.
- Agora Performance. Backend optimizations reduced response latency.

MOC Network Migration: What's Next

- Execute the swap → reopen deposits and withdrawals → publish a T+30 post-swap report.
- Ensure full consistency across CMC/CG/exchanges, token lists, FAQs, and disclosures.
- GTM. Reinforce initial liquidity and drive swap participation through renewed listing exposure and instructional content.

MOC Network Migration

MOC Network Migration: Research

2025 Luniverse Network Comprehensive Report

1) Executive Summary

- Trajectory. Originated as an enterprise BaaS, Luniverse evolved from a PoA consortium chain to NOVA (public-chain connectivity) and further to Nodit (multi-chain node / data & AI layer), clarifying its direction toward a “multi-chain + data + AI” infrastructure.
- Strengths. Fast processing (≈1-second blocks), high TPS, EVM compatibility, and developer convenience centered on console and APIs.
- Challenges. Limited decentralization due to an approver-based validator set; constraints on global composability; UX frictions such as wallet/Chainlist registration and ChainID collisions; and the need to broaden liquidity for Luniverse-native assets.
- Core Message. Building on its enterprise-friendly success in Korea, Luniverse should accelerate interoperability with global multi-chain, open ecosystems.

MOC Network Migration: Research

2025 Luniverse Network Comprehensive Report

2) Architecture & Technical Characteristics

- Consensus / Performance. PoA (up to 25 validator nodes), ~1-second blocks with thousands of TPS, and low downtime/fork risk—well-suited to enterprise environments.
- EVM Compatibility. Reuse of Solidity/Web3 tooling; support for standards such as ERC-721; development experience designed for seamless MetaMask integration.
- Developer Productivity. Transaction patterns are abstracted as REST calls via the Tx-Action API, enabling straightforward front-end/back-end integration.
- NOVA → Nodit Evolution. Provides nodes and multi-chain APIs for public chains (e.g., Ethereum, Polygon) and accelerates AI–on-chain integration through MCP (LLM-driven natural-language query/summary of on-chain data).

MOC Network Migration: Research

2025 Luniverse Network Comprehensive Report

3) Accessibility & UX Issues

- ChainID Collision. Luniverse (ChainID 256) overlaps with an existing testnet, leading to MetaMask add-network errors; workaround is to remove/ignore the conflicting network and re-add.
- Absent from Chainlist. Requires manual entry of network parameters (onboarding hurdle for beginners); official listing would enable one-click addition.
- Gas Token (LUK). A dedicated gas token with faucet-based free top-ups is convenient for development/testing; however, settlement models must be reviewed for large-scale commercial use.
- DAO/Governance Tools. Not registered by default on Snapshot and similar services—manual setup is required (a common issue, but one that merits early-stage UX consideration).

MOC Network Migration: Research

2025 Luniverse Network Comprehensive Report

4) Ecosystem Outcomes & External Linkages

- Domestic References. Accumulated commercial use cases, including Upbit NFT Market technology partnership (minting/trading on Luniverse sidechains), large-scale fundraising and Gen-Z participation for the Cherry donation service, and loyalty integration projects (e.g., MLK).
- Regulatory / Standardization Contribution. Built a Travel Rule response network via VerifyVASP, enabling information interoperability among regional exchanges.
- Multi-Chain & Liquidity Examples. Certain projects have migrated to other mainnets (e.g., Arbitrum)—a strategic choice to secure global liquidity and composability.
- Implication for Migration. Luniverse is entering a phase of widening connectivity with public chains and DeFi, leveraging its enterprise-market achievements in Korea.

MOC Network Migration: Research

2025 Luniverse Network Comprehensive Report

5) Source Report

- Primary Document: 2025 Comprehensive Report on the Luniverse Network: Technical Achievements · Ecosystem Status · Future Tasks (Link)

MOC Network Migration: Research

From Enterprise BaaS to a Public Blockchain

1) Executive Summary

- Sustained innovation on Ethereum has continued through mid-2020s, lowering cost and UX barriers. Following Dencun (EIP-4844), L2 fees fell by ~65% to as much as ~98%, materially improving real-world usability.
- Pectra (May 2025) will further enhance Account Abstraction (AA), enable token-sponsored gas, and cap validator stakes at 2,048 ETH, improving operational efficiency.
- Conclusion. A Luniverse + L2 hybrid remains conceivable, but may not fully cover all core objectives. A migration with a clear direction to Ethereum (mainnet/L2) is technically simpler and more favorable across technology, cost, and ecosystem dimensions.

MOC Network Migration: Research

From Enterprise BaaS to a Public Blockchain

2) Technology & Ecosystem Trends (Summary)

- Dencun (EIP-4844). By introducing proto-danksharding, L2 data storage costs dropped significantly → L2 fees decreased ~65%–98% (observed immediately after the upgrade).
- Pectra (May 2025). Elevates AA-based UX, allows token-paid gas, and improves large-scale validator operations via the 2,048 ETH staking cap.
- Adoption Outlook. With technical and cost barriers reduced, interest from enterprises and institutions in adopting public blockchains is rising (see: KPMG 2024 trend notes).

MOC Network Migration: Research

From Enterprise BaaS to a Public Blockchain

3) Luniverse Governance: Characteristics & Implications

- Model. Luniverse employs PoA consensus with up to 25 permissioned validator nodes (operator: Lambda256), applying a managerial/centralized style of governance.
- Pros. Designed for enterprise stability and clear accountability.
- Cons. Limits on decentralization and channels for reflecting stakeholder intent (e.g., user/developer response to policy changes).
- Implication. Structural constraints exist when pursuing broad composability and liquidity in open ecosystems.

4) Migration Options: Hybrid vs. Direct

- Hybrid (Luniverse + L2). Enables phased transition and is technically feasible, but leaves gaps in fully achieving liquidity, composability, and convenience.
- Direct (Ethereum Mainnet/L2). Technically more straightforward with room for long-term cost reduction, while leveraging the global user base, capital inflows, and developer community network effects.
- Bottom Line. A migration with a clear direction provides superior execution efficiency and consistency.

MOC Network Migration: Research

From Enterprise BaaS to a Public Blockchain

5) Conclusion & Expected Effects

- Recommendation. Migration to the Ethereum network merits serious consideration from technology, ecosystem, and UX perspectives.
- Expected Effects. Maximized token value and liquidity, and a higher probability of success for the project.

6) Source Report

- Primary Source: From Enterprise BaaS to a Public Blockchain: Considerations for Introducing Ethereum in Luniverse (Link)

MOC Network Migration: Agora (DAO) Voting Results

Luniverse → Ethereum Mainnet Transition (MOC Network Migration) — Proposal Summary & Voting Outcome

Proposal Summary

- Challenge. Despite Luniverse's strengths (high TPS, low fees), access to global liquidity, decentralization, and DeFi remains limited.
- Strategy. Re-issue MOC as ERC-20 and complete a 1:1 swap to fully migrate to the Ethereum mainnet during Q3–Q4 2025.
- Value. Immediate exposure to ~330 million addresses, entry into the 55% DeFi TVL market, and leverage of PoS security, composability, and brand credibility.

On-Chain Vote Overview

- Window: 2025-07-21 16:50 → 2025-07-28 16:50 (KST)
- Proposal Title: Proposal for the Migration of Luniverse to the Ethereum Mainnet

MOC Network Migration: Agora (DAO) Voting Results

Luniverse → Ethereum Mainnet Transition (MOC Network Migration) — Proposal Summary & Voting Outcome

Final Result

- FOR: 102,167 MOC (100%)
- AGAINST: 0 MOC (0%)
- ABSTAIN: 0 MOC (0%)

  → Migration proceeds with unanimous community approval.

User Impact (Key Points)

- Swap Ratio: Legacy MOC → ERC-20 MOC at 1:1.
- Wallet Compatibility: Standard wallets (e.g., MetaMask) will automatically recognize the native ETH gas network; no custom chain addition required.
- Process Details: The swap schedule, connection steps, and precautions will be announced separately.

MOC Network Migration: Migration Roadmap

Roadmap Overview

- Total Duration: 16 weeks
- Migration Method: No upgrade of legacy contract; migrate to a new immutable ERC-20 contract.
- Phases: Confirm governance & rationale → Design & audit preparation → Development, audit & exchange coordination → Deployment & swap execution → Post-swap stabilization & IR.

MOC Network Migration: Migration Roadmap

Roadmap

Phase 01. Governance & Rationale Confirmation (Weeks 1–2)

- Deliverable: Community alignment
- Key Milestones
    - Publish Luniverse limitations whitepaper and report
    - Distribute GitHub source and TL;DR
    - Conduct DAO vote (7 days)
    - Announce results and release “objections & FAQ”

MOC Network Migration: Migration Roadmap

Roadmap

Phase 02. Design & Audit Preparation (Weeks 3–6)

- Deliverable: Finalized technical specifications; audit engagement signed
- Key Milestones
    - Scaffold new immutable ERC-20 (OpenZeppelin v5: ERC20, Burnable, Permit, Votes)
    - Design Gnosis Safe multisig (2/3; expand to 3/5 if required)
    - Review potential contract feature extensions
    - Define audit SOW, confirm quotation, and sign

MOC Network Migration: Migration Roadmap

Roadmap

Phase 03. Development, Audit & Exchange Coordination (Weeks 5–11)

- Deliverable: Code & security readiness; preliminary exchange schedule
- Key Milestones
    - Complete contract development and unit tests (≈95% coverage)
    - Begin security audit → incorporate report feedback
    - Patch findings and complete re-verification (close-out)
    - Coordinate with exchanges (e.g., Upbit / Bithumb): wallet/label updates and provisional D/W pause windows

MOC Network Migration: Migration Roadmap

Roadmap

Phase 04. Deployment & Swap Execution (Weeks 11–14)

- Deliverable: Token swap completed
- Key Milestones
    - Announce Luniverse snapshot and burn transactions
    - Deploy and verify the new mainnet contract (Etherscan verification)
    - Exchange deposit/withdrawal pause → swap → reopen
    - Open disclosure hub / official guidance page

Phase 05. Post-Swap Stabilization & IR (Weeks 14–16)

- Deliverable: Transparency secured; external reporting
- Key Milestones
    - Publish monitoring report (incl. policy for residual non-swapped tokens)
    - Include in quarterly IR (Luniverse end-of-life statistics; ERC-20 adoption KPIs)

MOC Network Migration: Current Status

Overview

- 2025-08-04: Deployed the new token contract on the Ethereum (ERC-20) network.
- Supply: Fixed total supply of 500 million MOC.
- Features: Burn, Permit (EIP-2612), ERC20Votes.
- Operating Model: Adopted an ownerless principle.
- Legacy Classification: Luniverse MOC and the 2018 ERC-20 are designated legacy.
- Official Path: A single route—Luniverse → ERC-20 (2025).

New ERC-20 Contract

- Mainnet deployment & Etherscan verification completed (2025-08-04).
- Custody: Preminted 500M MOC moved to multisig custody (2/3 approvals, expandable to 3/5 if required).
- Documentation: Metadata organized; baseline public documentation updated.

MOC Network Migration: Current Status

Community Alignment / Policy

- Distributed a background & direction summary and FAQ for the migration.
- DAO vote secured community alignment to proceed.
- Confirmed a minimal-module design principle (Burn/Permit/Votes) and adopted ownerless operations.

Security & Design

- Immutable (non-upgradeable) architecture.
- Implemented on OpenZeppelin v5 standards with elevated internal test coverage.
- Introduced Gnosis Safe multisig (2/3 or 3/5).

Development · Testing · Audit

- Completed contract development and unit tests.
- Initiated external security audit; addressed findings and executed re-verification.
- Prepared a test report and audit summary draft.

MOC Network Migration: Current Status

Exchange & Infrastructure Coordination

- Coordinated on labeling and network notation (ERC-20)—technical scope and timelines.
- Defined the D/W pause → swap → reopen sequence and standard post-swap operations.
- Readied a disclosure hub and community announcement framework.

Legacy Asset Rationalization

- Classified Luniverse MOC as “to be migrated,” and set the snapshot policy.
- Discontinued the WMOC / 2018 ERC-20 routes; unified external labels to the new ERC-20.

MOC Network Migration: Next Steps

Holder Snapshot & Identity Verification

- Generate a Luniverse holder snapshot and notify holders based on the snapshot CSV.
- Mitigate service-change risks by running a mass identity-verification flow using verified wallet messages (standardized message format, address, and date; prohibit external disclosure).
- Standardize KYC / documentation guidance, including policies for data collection, retention, and destruction.

Exchange Execution

- For each exchange, pause deposits/withdrawals → perform the swap → confirm and announce the reopen schedule.
- Reflect ERC-20 network notation, the new contract address, and multisig information consistently across venues.
- Operate customer support during the transition window (FAQ/templates and incident-response desk).

MOC Network Migration: Next Steps

Official Pages & Documentation

- Align terminology and links across the disclosure site, public website, and community channels; remove legacy references.
- Build a verified link hub summarizing the new contract, multisig, snapshot, and audit artifacts.
- Post a top-level warning banner: “Single official migration route (Luniverse → ERC-20 (2025)).”

External Registry Updates

- Submit the new contract to CoinMarketCap, CoinGecko, auditors, and major exchanges.
- Request Deprecated flags for legacy contracts and tidy up potentially confusing names.
- Validate token lists and ENS (including reverse records) and other registries for consistency.

MOC Network Migration: Next Steps

Post-Swap Monitoring & Reporting

- After completion, publish a T+30 monitoring report (including the policy for residual non-swapped tokens and the status of holders/float/liquidity).
- Include in the next quarterly IR: Luniverse sunsetting metrics and ERC-20 settlement KPIs (e.g., TVL, holder count, velocity).
- Heighten monitoring for phishing and anomalous transactions; consider sharing a weekly dashboard.

Governance

- Maintain Snapshot voting with disciplined multisig execution.
- Regularly review participation and vote distribution; where appropriate, evaluate staged on-chain governance / timelock mechanisms.
- For policy changes, uphold a standard three-step process: solicit input → decide → execute.

Agora Project

Agora Projects: Events

Moss Coin Network Migration Quiz — Program Overview

Objectives

- Assess understanding of the Ethereum (ERC-20) migration and swap fundamentals.
- Prevent phishing/mistakes through advance security guidance.
- Minimize confusion during the execution phase.

Audience & Participation

- Target: Entire Mossland community.
- Completion: Submit a Google Form quiz (auto-recorded upon submission).
- Eligibility: One response per wallet linked to Agora (1 connected wallet = 1 entry).

Agora Projects: Events

Moss Coin Network Migration Quiz — Program Overview

Schedule

- Run: 2025-09-01 → 2025-09-15 (KST)
- Results: Published within 7 days after program end (official blog, Agora forum).

Reward Policy

- Total pool: 50,000 MOC.
- Allocation: Equal split among perfect scorers (all questions correct).
- Payout: Notify winners individually → collect information → KYC review → pay to the verified wallet.

Agora Projects: Events

Moss Coin Network Migration Quiz — Results

Participation Metrics (Final)

- Total responses: 13
- Valid responses: 12 (1 excluded: wallet not linked to Agora)
- Perfect scores: 12 (all valid respondents)

Distribution & Payout

- Per-winner amount: 4,167 MOC
- Total disbursed: 50,004 MOC (+4 MOC overage covered by Operations)
- Procedure: Send individualized notice → collect personal information → pay only to KYC-approved recipients.

Operational Insights

- Pre-migration quiz-based education helped reduce confusion and security risks.
- Clear KYC/wallet-link criteria prevented duplicate or ineligible submissions.

Agora Projects: Events

Ethereum (ERC-20) Migration — Understanding Confirmation Participation Program

Objectives

- Confirm user understanding during the migration execution phase and improve guidance comprehension.
- Encourage community participation while minimizing confusion.

Audience & Participation

- Submission: Indicate a position among FOR / AGAINST / ABSTAIN.
- Completion: Click “Participate Now,” select a position, and submit (auto-recorded).
- Eligibility: One entry per wallet linked to Agora (1 connected wallet = 1 entry).

Agora Projects: Events

Ethereum (ERC-20) Migration — Understanding Confirmation Participation Program

Schedule

- Run: 2025-09-09 → 2025-09-23 (KST)
- Results: Published within 7 days after program end (official blog, Agora forum).

Reward Policy

- Total pool: 50,000 MOC.
- Allocation: Equal split (1/N) among all valid participants (no separate application).
- Payout: Verify valid participation → announce results → collect information → KYC → pay to the same registered wallet.

Agora Projects: Events

Ethereum (ERC-20) Migration — Understanding Confirmation Results

Participation Metrics (Final)

- Valid participants: 172
- Vote distribution (by token amount):
  - FOR: 330,606.9583 MOC (≈ 97.29%)
  - AGAINST: 7,008 MOC (≈ 2.06%)
  - ABSTAIN: 2,218 MOC (≈ 0.65%)
  - Total voted: 339,832.9583 MOC

Distribution & Payout

- Per-person amount: 291 MOC (rounded up).
- Total disbursed: 50,052 MOC (excess 52 MOC covered by Operations).
- Procedure: Public announcement → individualized notice → submit personal information → payout to KYC-approved recipients.
- Forms: Korean and English forms provided.

Agora Projects: Events

Ethereum (ERC-20) Migration — Understanding Confirmation Results

Operational Insights

- Token-weighted results (FOR ≈ 97.3%) indicate strong support for the migration direction.
- Snapshot/KYC with payment to the same registered wallet strengthened transparency and fairness.
- For subsequent campaigns, expand FAQs to improve clarity and ease of participation.

Agora Projects: Updates

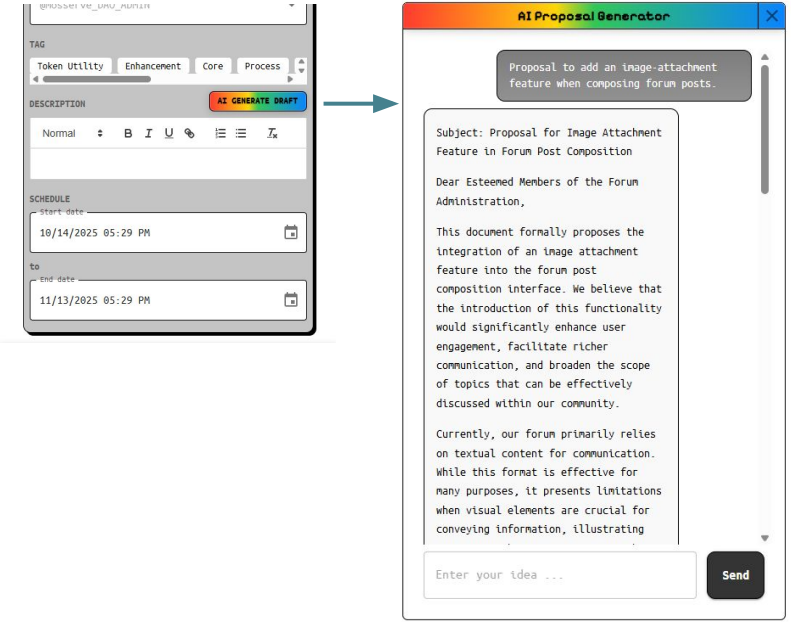
AI Draft Generation for Proposal Writing

Planning Background

- Users often struggled to start and structure proposals, delaying drafting.
- Ongoing feedback: “I don’t know how to begin the paragraph.”
- Goal: lower the barrier to writing and improve proposal volume, completion, and review efficiency.

Feature Overview

- Provide an AI draft generator in a right-side popup on the proposal editor.
- Auto-compose an initial draft using the Google Gemini API.



Agora Projects: Updates

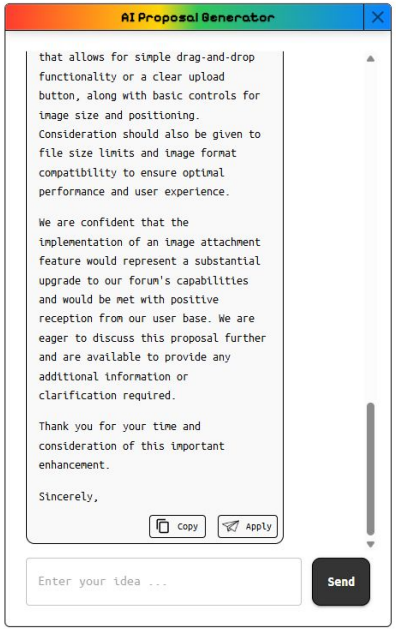
AI Draft Generation for Proposal Writing

User Flow

- Open the proposal editor → click AI GENERATE DRAFT on the right panel.
- Enter keywords/objectives → the system generates a first draft automatically.

Key Functions

- Auto language detection & response in the user's input language.
- Copy: Copy the generated draft to the clipboard for user-led editing/refinement.
- Apply: Insert the generated draft directly into the editor (further edits allowed).



Agora Projects: Updates

AI Draft Generation for Proposal Writing

Expected Impact

- Reduce the “blank page” barrier → shorten drafting time and improve completion quality.
- Increase consistency and review efficiency through standardized drafts.
- Expand communication reach with multi-language support.

Forward Plan

- Enrich templates (feature requests/operations change/benefit–cost analysis, etc.).
- Expand multilingual support and improve automatic tone control.
- Introduce quality metrics (usage, draft→submission conversion, revision counts) and continuous tuning.
- Strengthen safeguards: privacy/sensitivity checks and safe-content guidelines.

Agora Projects: Updates

Removal of the LUK Charge Button

Background

- Due to a policy change by Luniverse operator Lambda256, Bridge (…/faucet)–based automatic LUK gas refills have been discontinued.
- As a result, the previously documented Bridge-based self-refill flow is no longer available.

Action Taken

- The [LUK Charge] button has been removed from the service (to prevent error and misuse).

Agora Projects: Updates

Removal of the LUK Charge Button

User Guidance (Alternative Procedure)

- Individual users: provide your wallet address and requested LUK points amount by email

  → Support@lambda256.io

Impact & Notes

- The former in-app refill flow is no longer provided.
- Please request LUK gas refills via the announced alternative procedure.

Agora Projects: Updates

Other Updates

Operations Page Enhancements

- Added list/search/filters to view per-proposal voter info and voting status on a single page.
- Enabled CSV export to speed up collection/verification and customer support.

Backend Performance Improvements

- Reduced response latency by removing inefficient queries and hydration, and by adding indexes and caching (LRU, TTL).
- Reworked static-asset caching and compression to improve initial load performance.

Agora Projects: Planned Updates

Richer Authoring for Forum Posts — Tables & External Imports (Under Review)

- Objective. Enhance proposal/report richness and structure, and enable reuse of external content (e.g., Gist, Medium-style sources).
- Evaluation Scope.
  - In-editor tables: phased introduction of table insert/edit features (cell merge, alignment, sorting, etc.).
  - External content: compare read-only embed vs format conversion (Markdown/HTML → internal markup).
- Security Note. Start with an MVP focused on essential features within existing security baselines (e.g., block external scripts). Provide preview to minimize formatting breakage.

Service Operations Hardening — Early Detection of Latency/Timeouts & Stability Gains

- Goal. Improve perceived quality by detecting and handling screen stalls and timeouts early.
- Key Measures.
  - Continuous monitoring of speed/error indicators with anomaly alerts.
  - Request-flow tracing and recordkeeping to shorten time-to-root-cause.
  - Staged rollouts and temporary surge mitigations for traffic spikes.
- Expected Impact. Faster initial rendering, fewer timeouts, and shorter recovery times in the event of incidents.

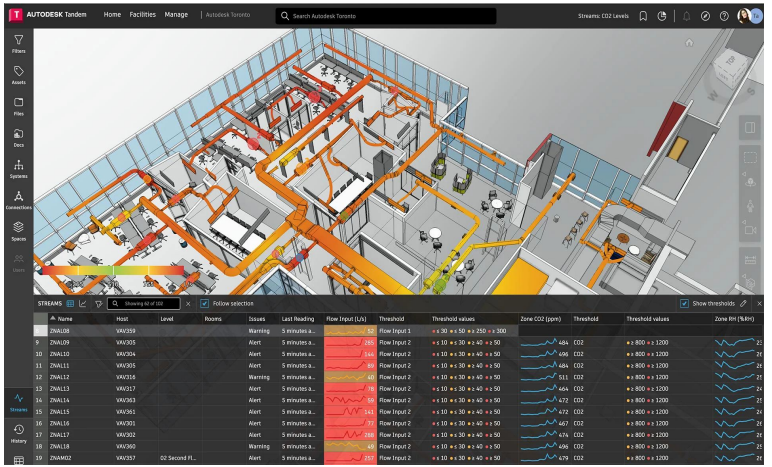
Digital Twin Project

Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Purpose & One-Line Definition

- Objective. Convert BIM (Revit) deliverables from design/construction into a live, operations-stage digital twin used to monitor, analyze, and decide in context across assets, spaces, and systems.
- Definition. Autodesk Tandem is a cloud digital-twin platform that unifies Revit/IFC models, asset data, and IoT/BMS streams.
- Core Value. Standard/custom parameter mapping, facility-template–based asset information models, time-series visualizations (heatmaps/charts), and operational dashboards.

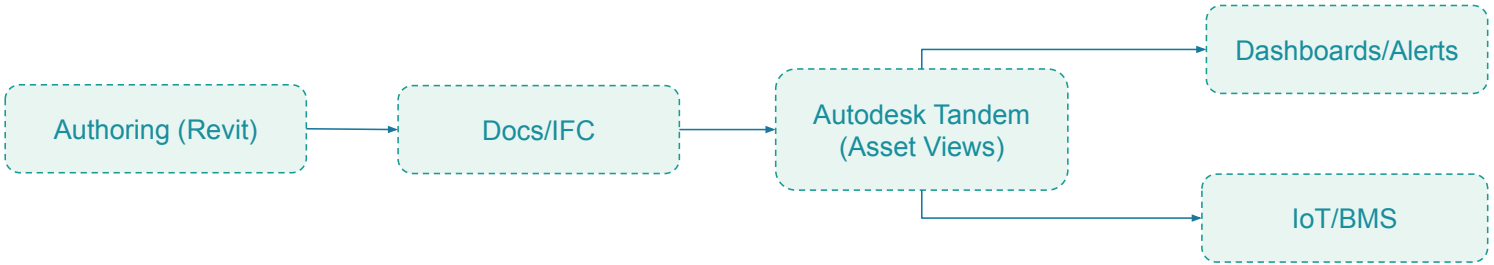


Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Conceptual Architecture (End-to-End)

- Authoring. Model spaces/assets and define properties in Revit.
- Structuring. Use Tandem Facility Templates to define classifications and parameter sets (standard/custom).
- Ingest. Upload Revit/IFC files (locally or via Autodesk Docs).
- Mapping. Map Revit properties ↔ Tandem properties (supports new bidirectional data exchange).
- Operate. Connect IoT/BMS (Azure IoT Hub, BACnet, etc.) for monitoring, alerts, and dashboards.



Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Roles — Revit vs. Tandem

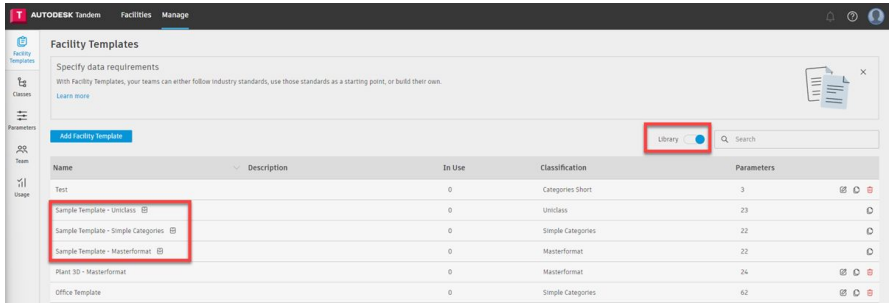
Category	Revit	Autodesk Tandem
Purpose	BIM authoring for design/construction phases	Composition & visualization of an operations-oriented digital twin
Data	Categories / Families / Parameters	Facility Templates, classification system, asset inventory
Outputs	RVT/IFC, sheets, properties	Asset model, views/filters, stream heatmaps/charts, dashboards
Connectivity	Docs, IFC, add-ins	Revit/IFC ingest, Tandem Connect (IoT/BMS/CMMS, etc.)
Operations Features	Limited	Thresholds/alerts, history, system tracing, search/filters

Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Data Modeling — Facility Template & Classification

- Facility Templates. Define required asset-information (classification + parameter sets) by facility type → provide a standardized data spine across the project.
- Classifications. Combine base categories with custom taxonomies (e.g., OmniClass/UNSPSC-like structures) to increase asset consistency.
- Effect. Reduce handover data loss and duplication; create schemas that answer operations questions on the spot (e.g., replacement cycles, energy hotspots).



Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Practical Workflow: Revit → Tandem

1. Define information requirements: draft Facility Template (select critical assets & attributes).
2. Revit normalization: map/validate required parameters (use COBie views/mapping if needed).
3. Ingest: upload Revit/IFC via Autodesk Docs or locally.
4. Create asset inventory: apply templates, validate, and confirm coverage on the dashboard.
5. Configure ops views: filters, color schemes, system tracing/search, permissions/history management.

Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Data Path (Authoring → Operate)

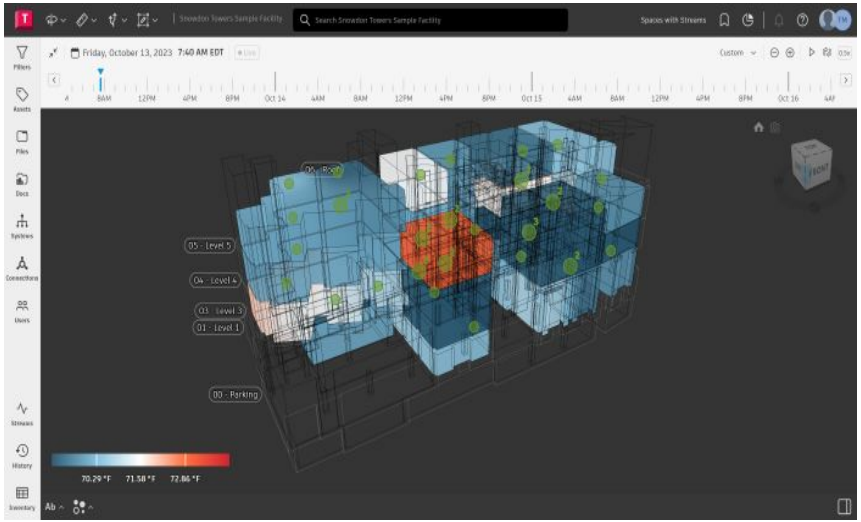
Stage	Tool	Output/Link	Key Actions
Requirements Definition	Tandem (Templates)	Required parameter set	Agree on taxonomy & mandatory attributes
Authoring	Revit	RVT/IFC	Parameter entry & data-quality checks
Ingest	Tandem + Docs	Linked model	File upload / link governance
Structuring	Tandem	Asset inventory	Apply templates, coverage checks, mapping
Real-time Enablement	Tandem Connect	Streams (sensors/BMS)	Connector setup (Azure IoT, BACnet, etc.)
Operations	Tandem UI	Heatmaps / charts / dashboards	Thresholds/alerts, history, search

Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Live Data Integration (Tandem Connect)

- Examples supported. Azure IoT Hub connector; BACnet synchronization (device-point mapping; advanced options).
- Visualization. Space/system heatmaps, stream charts (up to 14 days), threshold-based alerts.
- Use Cases. Energy anomaly detection, comfort monitoring, and preventive-maintenance triggers (numerous ops cost-reduction cases).

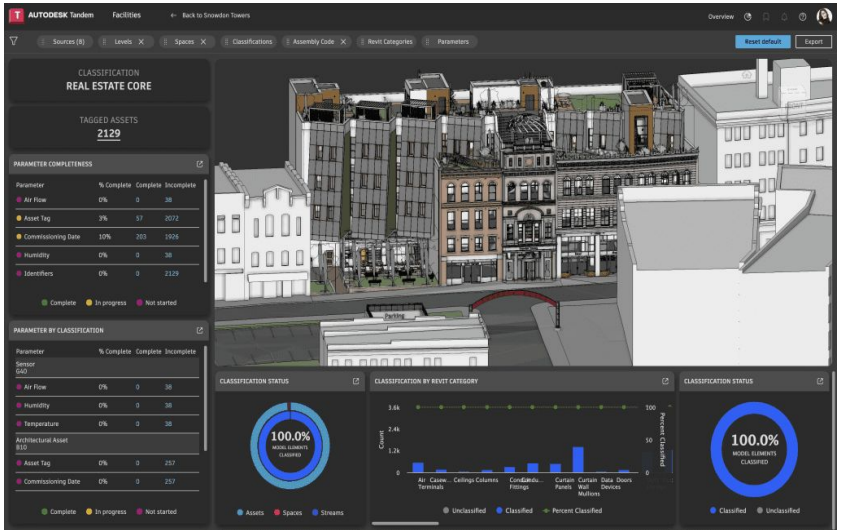


Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Operations-Side Feature Highlights

- Inventory (Mass Management). Bulk edits and fast filter/search for large-scale asset exploration.
- System Tracing. Trace supply/return chains to speed root-cause and impact analysis.
- Data-Quality Dashboard. Monitor attribute completeness for assets.
- History/Audit Logs. Track user changes and maintain operational compliance.



Digital Twin Project: Research

Overview — Building a Digital Twin with Revit × Autodesk Tandemevit × Autodesk Tandem

Systems & Integration Examples (Extensibility)

System	Integration Method	Example
BMS (e.g., BACnet)	Tandem Connect BACnet	Point streams → heatmaps / threshold-based alerts
IoT Sensors	Azure IoT Hub Connector	Occupancy / temperature / humidity / air-quality analytics
CMMS / CAFM	Tandem API / plug-ins	Work-order & asset synchronization (best-practice session)
External Apps	Tandem Data API (APS)	Programmatic access to model / asset / stream data

MAIT: AI Agent Project

MAIT : Updates

Summary

- Shift to a multi-criteria answer evaluation: moves from simple correctness to a rubric including contextual fit, language quality, conversational continuity, and safety.
- Higher accuracy in “best answer” selection: online signals (e.g., follow-up question volume, immediate exits) are reflected to increase trust in selections across multiple candidates.
- Fairer rewards: consistently apply top-tier rewards to excellent prompts and introduce warnings/penalties and stepwise restrictions for repeated submissions, spam, and policy violations.
- Safety & operational visibility: strengthen detection of harmful content and add an internal dashboard feature to confirm selection reasons.

MAIT : Updates

Changes to the Evaluation Framework

- Before: Single-criterion scoring focused on answer usefulness/correctness.
- Now: Comprehensive scoring across five areas:
    1. Contextual fit – Does it address the user's actual intent?
    2. Factual accuracy / evidence – Are there errors? Is supporting evidence shown?
    3. Language quality – Readability, clarity, consistency.
    4. Conversational continuity – Can the answer be used for productive follow-ups?
    5. Safety – Filters out sensitive or harmful elements.
- Online signal integration:
    - *Positive signals*: more follow-up questions, bookmarks/reuse.
    - *Negative signals*: immediate exits, reports.
- Outcome: A greater share of selected answers are those with high relevance, credibility, and behavioral usefulness.

MAIT : Updates

Reward Policy Revisions

- Tiered top-quality rewards: rewards increase progressively with higher evaluation scores.
- Sustained performance recognition: bonuses for continued excellence.
- Credit for new topics: added points for valuable contributions in under-covered areas.
- Anti-abuse measures: warnings → restrictions for repeated text reuse, excessive automation, or policy violations.

Service Quality Improvements

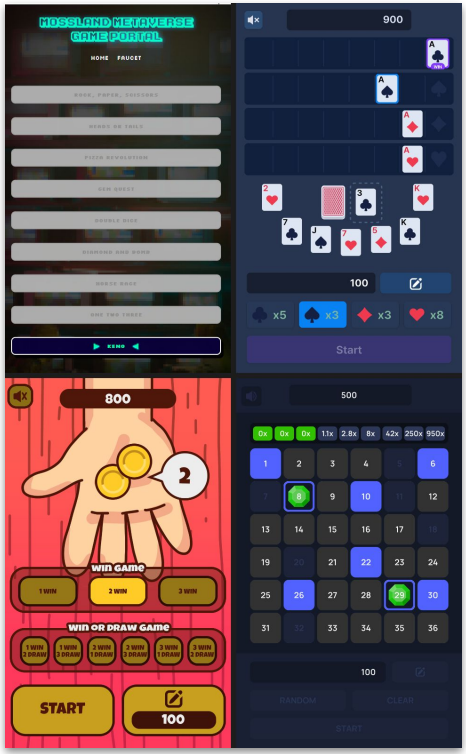
- Greater evidence transparency: when possible, encourage source/excerpt disclosure to raise answer credibility.
- Stability by question type: load only the information needed per type to streamline responses and improve reliability.
- Operational efficiency & rollback: monitor selection reasons, quality distribution, and anomalies via dashboards; enable fast rollback when necessary.

Metaverse Project

Metaverse : Updates

Metaverse Game Center — Content Update

- With this update, the Game Center’s lineup has been expanded to nine titles. Newly added games—“HorseRace,” “1, 2, 3,” and “Keno”—broaden the content selection. We also refined user navigation and interactions to improve the overall flow of play.
- The goals of this release are to enhance user experience (UX) and increase immersion. We shortened initial onboarding with an intuitive UI and lighter loading, and clarified per-game rules and reward feedback, which is expected to extend session time and raise repeat engagement.
- We will continue to improve features and add new titles to further elevate service quality, delivering a stable live service and consistently enjoyable gameplay.



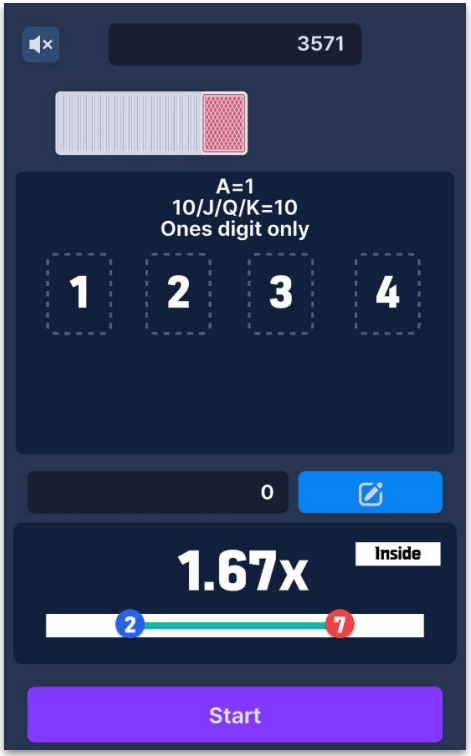
Metaverse : Planned Updates - Range Rush

Game Overview

- Single-deck, single-player card game. Four cards are drawn and summed; the ones digit (0–9) of the total is the result.
- Before starting, the player sets a prediction range (interval) on a progress bar and chooses a judgment mode via toggle: Inside or Outside.

How to Play

1. Enter game points.
2. Set the min–max values on the progress bar and choose Inside / Outside.
3. Press Start to reveal four cards *(random, no duplicates)*.
4. Compute the ones digit of the sum and fix the result.
    - Example: 6♠ + 3♦ + 2♠ + 3♣ = 14 → result 4.
5. If the result meets the selected condition, the round is a hit and reward points are paid.



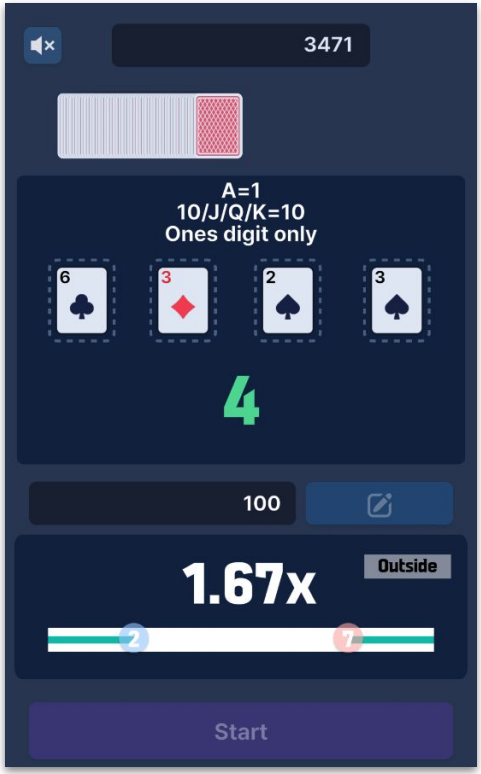
Metaverse : Planned Updates - Range Rush

Game Rules

- Card values: A=1, 10/J/Q/K=10; other ranks use their numeric value.
- Result: use the ones digit of the sum (0–9).
- Inside: a hit if the result falls within the set interval (boundaries included).
- Outside: a hit if the result falls outside the set interval (boundaries included for the chosen mode).
- Only four cards are used per round; the deck is shuffled every round.

Reward System

- The multiplier (payout factor) adjusts automatically to the width of the selected interval.
  - Narrower range → higher multiplier; wider range → lower multiplier.
- Payout on hit = Points × Displayed multiplier.
- Depending on Inside/Outside selection and the specific interval, payouts may differ even for ranges of the same width.



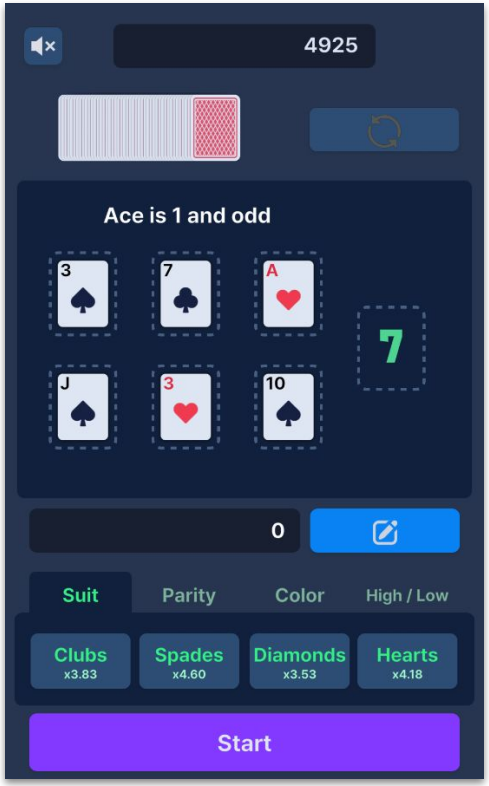
Metaverse : Planned Updates - Seventh Wild

Game Overview

- A standard 52-card deck is shuffled. Six cards are revealed first.
- The player selects one prediction option; the 7th card is then drawn.
- If the 7th card matches the chosen property, the round is a win.
- Single-player; only one option can be selected per round.

How to Play

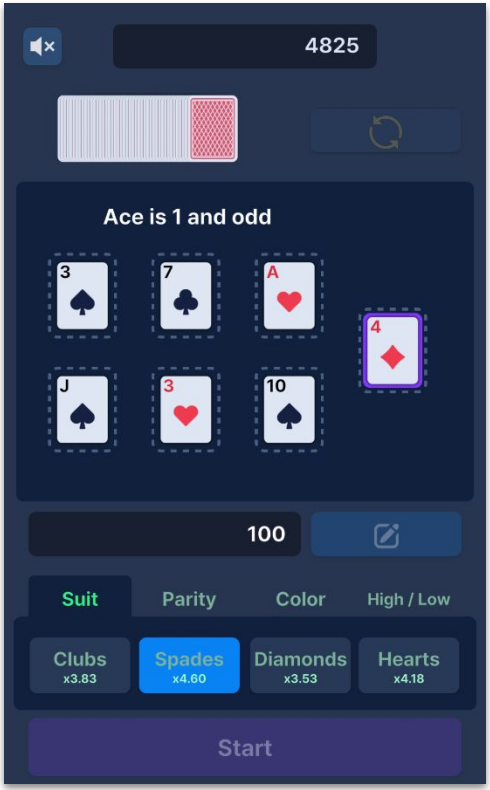
- Six cards appear on screen as reference information.
- Choose one of the following options: Suit / Odd–Even / Color (Red–Black) / High–Low.
- Press Start to reveal the 7th card.
- If the chosen option matches the 7th card, it is judged correct and reward points are granted.



Metaverse : Planned Updates - Seventh Wild

Game Rules

- Deck: Standard 52 cards; reshuffled each round.
- Selectable prediction options (choose 1):
  - Suit: ♠ / ♥ / ♦ / ♣
  - Odd–Even: Determined by the card rank (odd vs. even)
  - Color: Red (♥/♦) or Black (♠/♣)
  - High–Low: Choose High or Low relative to a fixed threshold defined in the game
- The outcome is determined only by the 7th card (the first six are informational).
- Tie/boundary handling and other details follow the in-game rules.
- You cannot select multiple options in the same round.



Metaverse : Planned Updates - Seventh Wild

Reward System

- Payout multipliers vary by the difficulty and probability of the selected option; generally, lower probability ⇒ higher payout.
- On a win, Payout = Points × Displayed Multiplier.
- For High/Low and other boundary cases, payout may differ depending on how edges are treated; please refer to the in-game screen for exact values.

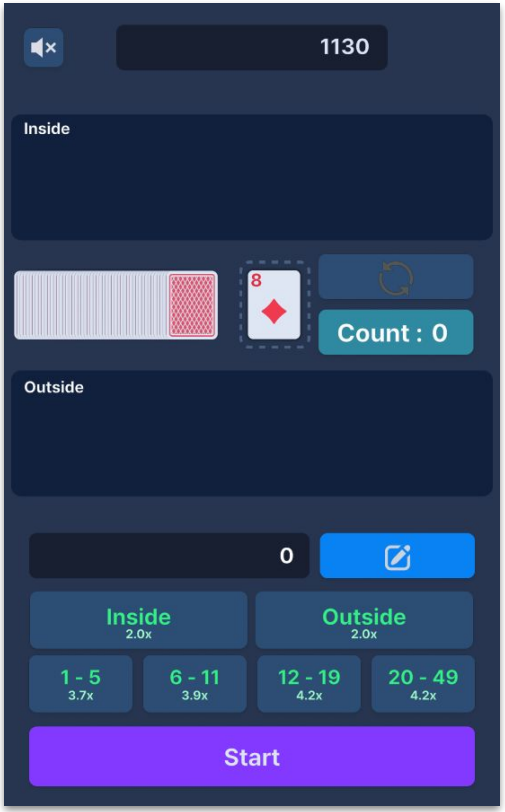
Metaverse : Planned Updates - Lucky Match

Game Overview

- A single-deck prediction card game.
  At the start of a round, a reference card (rank) is shown. Then cards are revealed while alternating Inside → Outside → Inside….
  The zone (Inside or Outside) where a card matching the reference rank appears first wins.
- Only one prediction option can be chosen per round.

How to Play

- Enter your points.
- Choose one of the options below:
  - Predict the winning zone: Inside or Outside
  - Predict the Count range: the reveal position (how many cards until the first match appears)
- Press Start to begin; cards are revealed one by one while toggling Inside ↔ Outside.
- When a card with the same rank as the reference appears, the round ends immediately and the result (win/lose) is determined by the single option you selected.



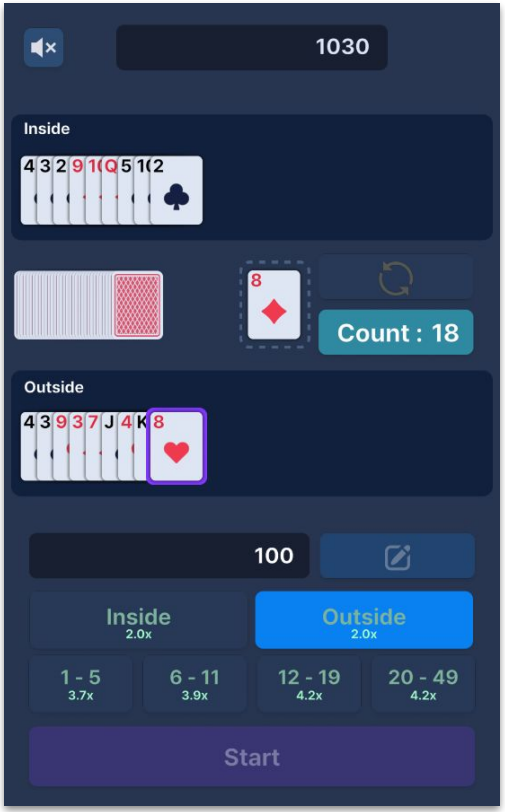
Metaverse : Planned Updates - Lucky Match

Game Rules

- Deck: Standard 52 cards, reshuffled every round.
- Reference comparison: Only the rank is compared (suit/color do not matter).
- Reveal order: Cards are revealed while alternating Inside ↔ Outside.
- Count: The total number of revealed cards in that round (including the matching card).
- No duplicate options per round (you must pick either a zone or a count range, not both).

Payout System

- Multiplier depends on the difficulty of the single option you choose.
    - Inside/Outside wins pay the base multiplier.
    - Count range wins pay higher multipliers for narrower ranges.
- Payout = Points × Displayed Multiplier (as shown in the UI).



Coinone KRW Market Listing

Coinone KRW Market Listing: Listing Details

About Coinone

- Coinone is a Korea-based virtual-asset exchange that provides an intuitive KRW spot trading environment.
- It supports limit/market/scheduled order types with an optimized web/mobile UX, and operates a compliance framework including Travel Rule integration and abnormal-trading monitoring.

Listing Schedule

- Listing date: 2025-08-14 (KST)

Significance

- With MOC listed on Coinone (KRW Market), we have completed listings across the top three domestic exchanges.
- The listing secures a direct KRW trading channel and broadens access to Korean users.
- Based on this milestone, we will prioritize community communication and stable service operations.

Coinone KRW Market Listing: Promotion

Event Overview

- Event: “100% Winning MOC Random Box”
- Period: 2025-08-11 18:00 ~ 2025-08-13 (KST)
- Eligibility: New Coinone members / Existing members (with code entry)

Rewards

- New users: 430 MOC (flat) / 3,200 MOC to 50 winners (no duplicate winners)
- Existing users: 200,000 MOC distributed equally across eligible participants

Status & Payout

- Status: Pre-listing promotion linked to the Coinone KRW listing completed.
- Payout date: By 2025-08-14 (KST)

This promotion supported early market traction by expanding domestic user inflow in connection with the Coinone KRW listing.

AI Hackathon

AI Hackathon

Background & Objectives

Background

- A recurring, monthly in-house AI ideation hackathon. Teams rapidly frame and validate real-world problems with AI, reinforcing a culture that shares vision and execution toward initiatives such as Digital Twin and Moss Coin’s global expansion.

Objectives

1. Surface company-wide problem statements (e.g., healthcare, content, HR, information curation).
2. Test feasibility via short PoC implementations.
3. Establish a fair, on-site voting loop that promotes evaluation and organizational learning.

Operating Model (Core)

- Company-wide on-site voting across four criteria—value, feasibility, deliverability, and structure/time—plus special awards for popularity, innovation, and execution.

AI Hackathon

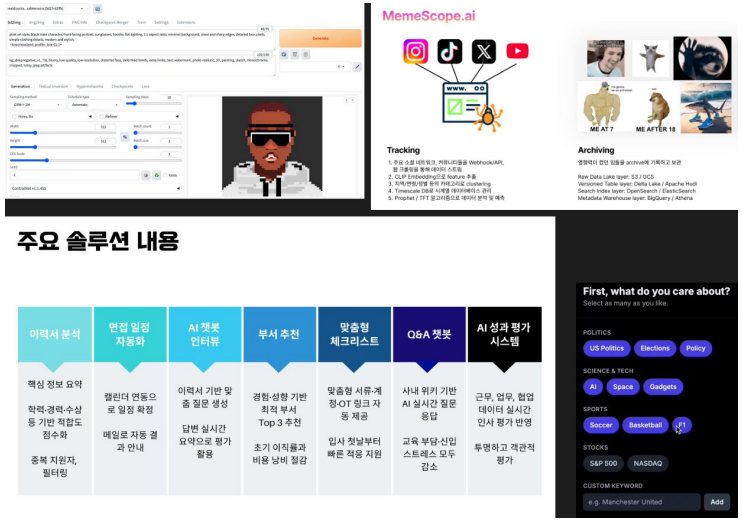
Hackathon Outcomes — Awarded Ideas

1st. Image Transformation Automation — Instantly generates high-quality images reflecting style/lighting/tone; streamlines production.

2nd. News Curation “PING” — Surfaces only the information you want and blocks unnecessary content, drastically reducing time and maximizing information efficiency.

3rd. HR Automation Platform — Automates the end-to-end flow from résumé analysis to chat-based interviews, team recommendations, and evaluation.

4th. MemeScope — Detects fast-moving memes automatically, archives them, and turns cultural trends into structured data.



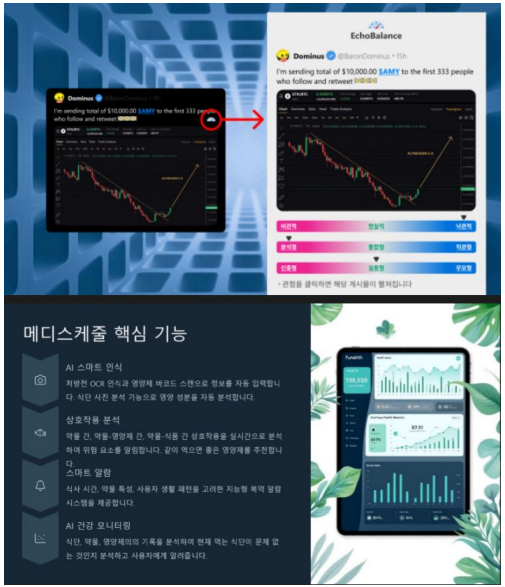
AI Hackathon

Hackathon Outcomes — Awarded Ideas

5th. Echo-Canvas Solution — Presents multiple perspectives simultaneously to reduce bias and offer balanced choices.

6th. MediSchedule — Personalized health management including medication schedules, hospital bookings, and insurance recommendations.

Special Awards: Popularity · Innovation · Execution (selected separately in addition to on-site voting results).



AI Hackathon

Goals for the Next Hackathon

Strengthen the Evaluation Framework

- Maintain the four criteria (value, feasibility, deliverability, structure/time).
- Consider both quantitative score and narrative quality (presentation/story). Grant bonus points when strong alignment with corporate strategy is demonstrated.

Expand Organizational Learning

- Keep team introductions and cross-team exchanges short and lightweight.
- Have winning teams run end-of-event replay sessions to explain ideas concretely; hold open discussions on scalability and pros/cons.

AI Hackathon

Goals for the Next Hackathon

Data & Compliance Safeguards

- For sensitive domains (e.g., HR, healthcare), require human-in-the-loop (HITL) checks as a baseline rule.
- Embed a copyright/PII checklist in the scoring sheet so reviewers verify “no problematic elements” from the presentation stage.

Reinforce Strategic Alignment

- Award bonus points to ideas directly connected to the company’s core direction.
- Rank entries with an additional “strategic fit score” to clarify prioritization (i.e., “Does this help our strategy right now?”).

MOSSLAND