



PUBLIC WHITEPAPER / VERSION 3.0

ORUM

GOLD HUB

**VERIFIED PHYSICAL GOLD TRADING INFRASTRUCTURE
CONNECTING O2O BRANCHES, A RETAIL APPLICATION,
AND THE \$ORUM UTILITY TOKEN.**

Physical verification. Rupiah settlement. Optional on-chain utility.



PROJECT AT A GLANCE

ORUM Gold Hub is designed as an O2O physical gold trading network combining in-branch verification, an application experience, settlement in Rupiah, and the \$ORUM utility token on Solana.

SEPTEMBER 2026

PT Orum Logam Nusantara

BUILD TRUST. VERIFY VALUE.

DOCUMENT STATUS

Important notice

PRE-TGE DOCUMENT This whitepaper describes the project's public design before token launch. Final technical parameters, partners, and audit results will be disclosed before TGE.

This document is based on the 2026 ORUM Gold Hub Internal Briefing, the September 2026 tokenomics design decisions, and official sources. Nominal capital, branch costs, margins, target volumes, profit, ROI, break-even, payback, investor identities, and internal security details are not presented.

\$ORUM is designed as a utility token. It does not represent equity, a deposit, debt, dividend rights, profit rights, ownership of gold, or gold redemption rights.

Contents

Sections	Coverage
01-05	Market thesis, solution, gold operations, application, and fundamentals
06-10	Allocation, vesting, Private Sale, funding, and supply schedule
11-15	Utility, buyback, governance, roadmap, and compliance
16-21	Risks, pre-TGE commitments, security, user protection, and references

PUBLICATION PRINCIPLE The whitepaper discloses the allocation, vesting, rights, risks, and controls the public needs to know. The data room holds financial details, contracts, SOPs, and internal security information.

EXECUTIVE SUMMARY

ORUM at a glance

ORUM Gold Hub is designed as an O2O physical gold trading network combining in-branch verification, an application experience, settlement in Rupiah, and the \$ORUM utility token on Solana.

Layer	Public role
Physical branches	Verification, pricing, transactions, and gold fulfilment
ORUM App	Identity, price lock, Rupiah payment, history, and reporting
\$ORUM	Optional utility, on-chain transparency, and buyback policy

Value thesis

- Increase trust through verification and more consistent transaction records.
- Connect the physical gold experience to an application without requiring token use.
- Build token transparency through vesting, treasury, buyback, burn, and on-chain reporting.
- Separate proof of business from token price speculation.

NORTH STAR ORUM's primary health measure is correctly completed gold transactions and repeat user trust.

01 / MARKET THESIS

Trust is infrastructure

The retail gold experience can be fragmented: quality is difficult to assess, resale processes vary, transaction histories are scattered, and pricing information is not always presented consistently.

Friction	Impact	ORUM response
Counterfeit or under-karat gold	Losses and disputes	Layered verification and digital reports
Inconsistent liquidity	Uncertain resale process	Settlement network and documented process
Offline experience	Scattered documents and histories	Application, identity, price lock, and reports
Unclear token narrative	Holder rights can be misunderstood	Utility-only positioning and explicit limits

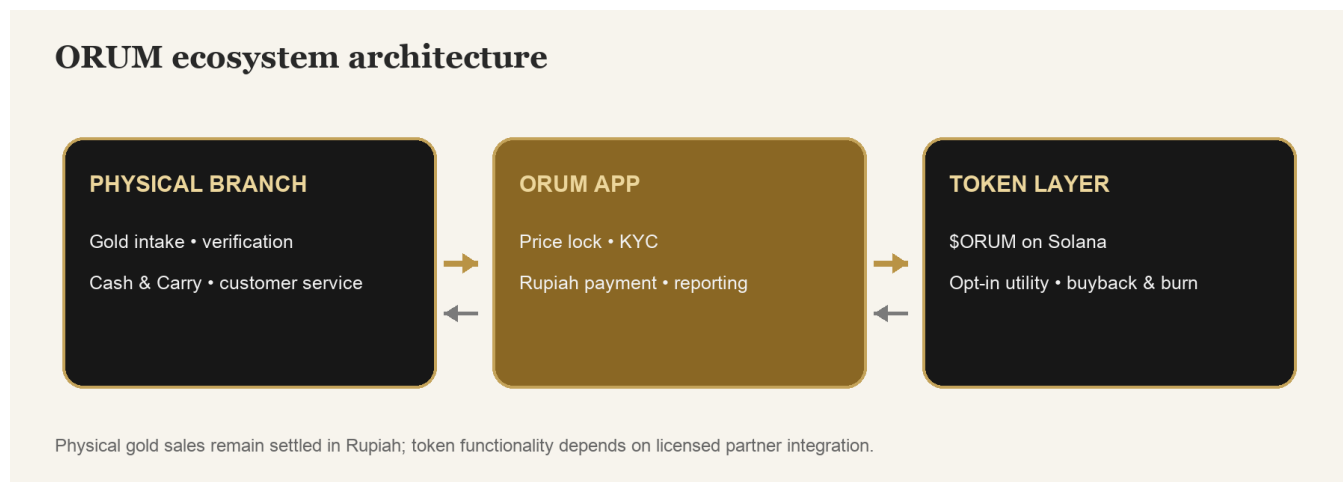
A testable hypothesis

Customers and merchants will choose a network that provides quality assurance, process transparency, transaction records, and a consistent settlement experience. Token adoption is a separate hypothesis and must not be forced on users of the gold service.

CLAIM LIMIT This whitepaper does not present market size, market share, profit, or price appreciation as certainties.

02 / SOLUTION

One ecosystem, three layers



Physical layer

Function Gold intake, verification, pricing, documentation, transactions, and fulfilment.

Application layer

Function Identity, price lock, Rupiah payment, history, reporting, notifications, and support.

Token layer

Function Optional utility, on-chain transparency, ecosystem programs, and buyback and burn once activated.

STRUCTURAL LIMIT Layer separation supports control but does not remove legal obligations, consumer protection requirements, or the need for licensed partners.

03 / GOLD OPERATIONS

Layered, auditable verification

Layered verification framework



Public principles

- Each intake has a transaction identity, item documentation, and user consent.
- XRF and density measurement are used as complementary checks.
- Anomalous results follow a secondary-testing and escalation pathway.
- Results, decisions, timestamps, and responsible parties are recorded for audit and dispute handling.

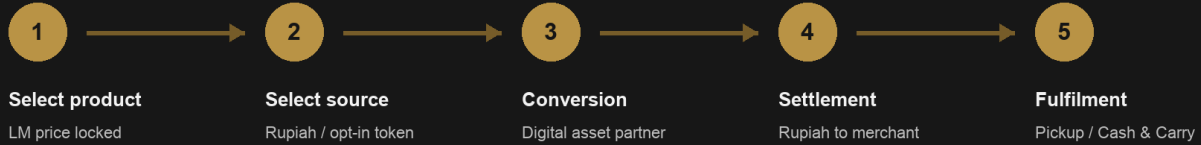
TECHNOLOGY LIMIT XRF primarily analyzes the surface or near-surface area. For bullion and bars, secondary testing remains necessary according to item form and risk profile.

Detailed SOPs, thresholds, security controls, and equipment configurations are not published in the whitepaper.

04 / ORUM APP

A clear transaction experience

Designed retail transaction flow



The token is not a direct POS payment instrument and does not grant gold redemption rights.

Module	Public scope
Account and identity	Risk-based KYC, consent, and session controls
Catalog and price lock	Products, availability, Rupiah price, and quote validity
Payment	Rupiah channels through relevant licensed providers
Token gateway	Opt-in conversion before checkout through an authorized partner
Fulfilment and reports	Transaction status, invoice, verification result, and support

Product principles

- Gold prices are displayed and settled in Rupiah.
- Users can purchase gold without owning or using \$ORUM.
- The token is not a direct POS payment instrument.
- Transaction status reflects finality of conversion and merchant payment.

05 / PUBLIC FUNDAMENTALS

Sources of value without disclosing internal data

Intended link to operating fundamentals



No token price is promised; the market determines price, liquidity, and volatility risk.

Source of value	Relevant public evidence
Verified gold trading	Completed transactions, processing time, exceptions, and disputes
Bullion retail	Availability, fulfilment, repeat users, and service quality
ORUM App	Active users, completion rate, uptime, and support
Token ecosystem	Real utility, circulating supply, treasury releases, and burns

Public KPIs

- Aggregate processed volume and completion rate, without internal branch targets.
- Verification exception rate, settlement reliability, complaint rate, and repeat users.
- Application uptime, transaction completion rate, and genuine token feature usage.
- Circulating supply, treasury releases, liquidity, buybacks, and burns once active.

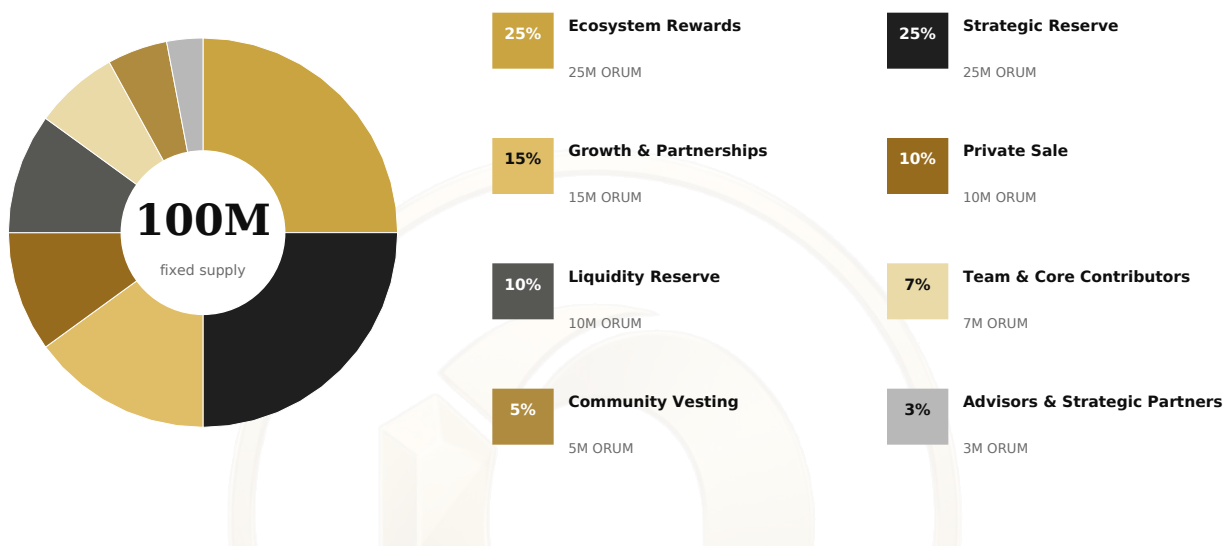
INTERNAL INFORMATION Capital, costs, spreads, margins, profit projections, ROI, break-even, payback, and volume targets are not included in the public edition.

06 / TOKENOMICS

Token allocation and the purpose of each pool

ORUM total supply is capped at 100,000,000 tokens. Each pool has a distinct purpose, release profile, and public accountability path.

Fixed allocation of 100,000,000 ORUM



Pool	Tokens	Share
Ecosystem Rewards	25,000,000	25%
Strategic Reserve	25,000,000	25%
Growth & Partnerships	15,000,000	15%
Private Sale	10,000,000	10%
Liquidity Reserve	10,000,000	10%
Team & Core Contributors	7,000,000	7%
Community Vesting	5,000,000	5%
Advisors & Strategic Partners	3,000,000	3%

FIXED SUPPLY

ORUM has no scheduled inflation. After distribution to vaults and vesting contracts, the mint authority will be revoked or locked under the audited final design.

07 / LOCK AND VESTING

Final distribution and vesting

The table reconciles the full 100,000,000 ORUM allocation, initial distribution, and the balance released through vesting.

Allocation	Total	Initial distribution	Vesting amount	Cliff	Period
Ecosystem Rewards	25,000,000	0	25,000,000	None	60 mo
Strategic Reserve	25,000,000	0	25,000,000	None	120 mo
Growth & Partnerships	15,000,000	0	15,000,000	None	60 mo
Private Sale	10,000,000	2,500,000	7,500,000	By phase	6-15 mo
Liquidity Reserve	10,000,000	4,000,000	6,000,000	None	24 mo
Team & Core Contributors	7,000,000	0	7,000,000	None	36 mo
Community Vesting	5,000,000	1,000,000	4,000,000	None	36 mo
Advisors & Strategic Partners	3,000,000	0	3,000,000	None	24 mo
Total	100,000,000	7,500,000	92,500,000	-	-

NO CLIFF - NON-PRIVATE-SALE POOLS

No cliff applies. Locked tokens are released through linear monthly vesting over the applicable vesting period.

Private Sale is the only exception and follows the four phase-specific cliffs disclosed in Section 08 (1-4 months, followed by 6-15 months of vesting).

Release controls

- No accelerated or manual release outside the disclosed contracts.
- Final monthly tranches may be adjusted only for rounding; unused tokens remain in the source wallet.

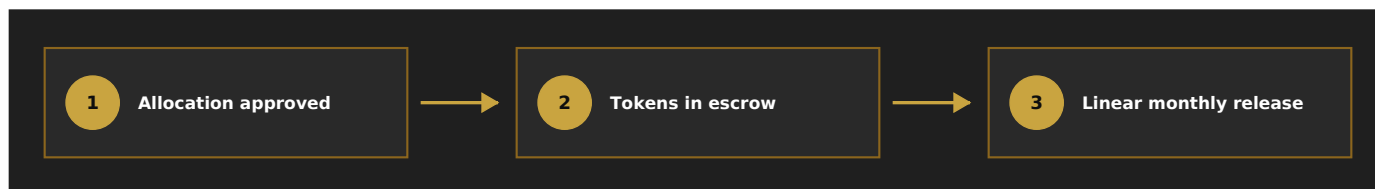
PUBLIC ESCROW

All seven public escrow URLs are shown in full and remain clickable on the next page.

07A / PUBLIC ESCROW REGISTER

Public lock references by allocation

Each allocation below links directly to the public Jupiter Lock escrow supplied for that pool. The complete URL is visible for manual verification and remains clickable in this PDF.



Escrow URLs

Allocation	Share	Public escrow URL
Ecosystem Rewards	25%	https://lock.jup.ag/escrow/6AuZK8hcZayAkMMQ62K5vejso1MboAoQywkpVCM79UR
Strategic Reserve	25%	https://lock.jup.ag/escrow/FZXMoITHeHdRbH54nV4jjbikwgz1z4r5mwXmH2AdFDEm
Growth & Partnerships	15%	https://lock.jup.ag/escrow/2oDSuPvQu3Ejn3Cy2iMZAotggZ3Q4Ncid9r5kvCBd87
Liquidity Reserve	10%	https://lock.jup.ag/escrow/47Zcj4iW1zPTki7AXLYXwvop9gkx9xFcF8k8Pe4tbQD
Team & Core Contributors	7%	https://lock.jup.ag/escrow/GSkbBnEzym7GLT8jLecq7fup6GE2w9AN4W1CakBUmx7M
Community Vesting	5%	https://lock.jup.ag/escrow/CR6CxP8pK4JUJSh5GoHGGGoMyetd8xM53LQJutSsHdwP8
Advisors & Strategic Partners	3%	https://lock.jup.ag/escrow/4aNm4wP2Um6XmPCvdXXnRRBkSmBhBja7B9gT1ctABAXk

CLICKABLE AND VISIBLE

Private Sale is not listed because no escrow URL was supplied for that allocation in this revision.

08 / PRIVATE SALE

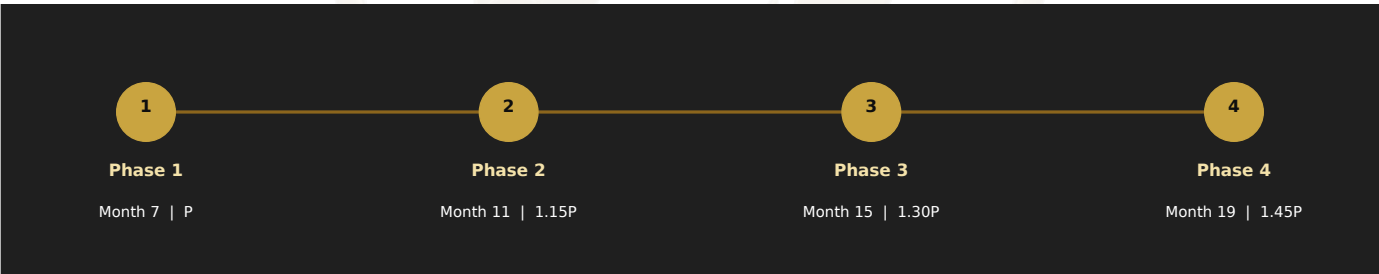
Private Sale with phase-specific cliff

Private Sale is capped at 10,000,000 ORUM. Every phase receives 25% at TGE; the remaining 75% follows the cliff and linear monthly vesting shown below.

Private Sale with Cliff

Phase	Total	Initial 25%	Vesting 75%	Cliff	Vesting	Monthly unlock
Phase 1	1,000,000	250,000	750,000	1 mo	6 mo	125,000
Phase 2	2,000,000	500,000	1,500,000	2 mo	9 mo	~166,666.67
Phase 3	3,000,000	750,000	2,250,000	3 mo	12 mo	187,500
Final Phase	4,000,000	1,000,000	3,000,000	4 mo	15 mo	200,000
Total	10,000,000	2,500,000	7,500,000	-	-	-

Release completion by phase



TOTAL 10,000,000	INITIAL 25% 2,500,000	VESTING 75% 7,500,000
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P is the Phase 1 base price. Nominal prices, payment method, eligibility, geographic restrictions, and customer documents will be disclosed before the sale. The TGE reference price is not a guaranteed market price.

09 / FUNDING AND INITIAL CIRCULATION

Category-based funding and a 7.5% TGE ceiling

Private Sale proceeds are disclosed by intended use. Capital amounts, branch costs, margins, ticket sizes, and investor identities remain in the data room and transaction documents.

Use of proceeds

Use	Allocation	
Application and technology development	30%	
Gold Hub pilot and operations	25%	
Liquidity counterpart assets	15%	
Legal, compliance, and audit	10%	
Business development and partnerships	10%	
Reserve and contingency	10%	

Composition at TGE

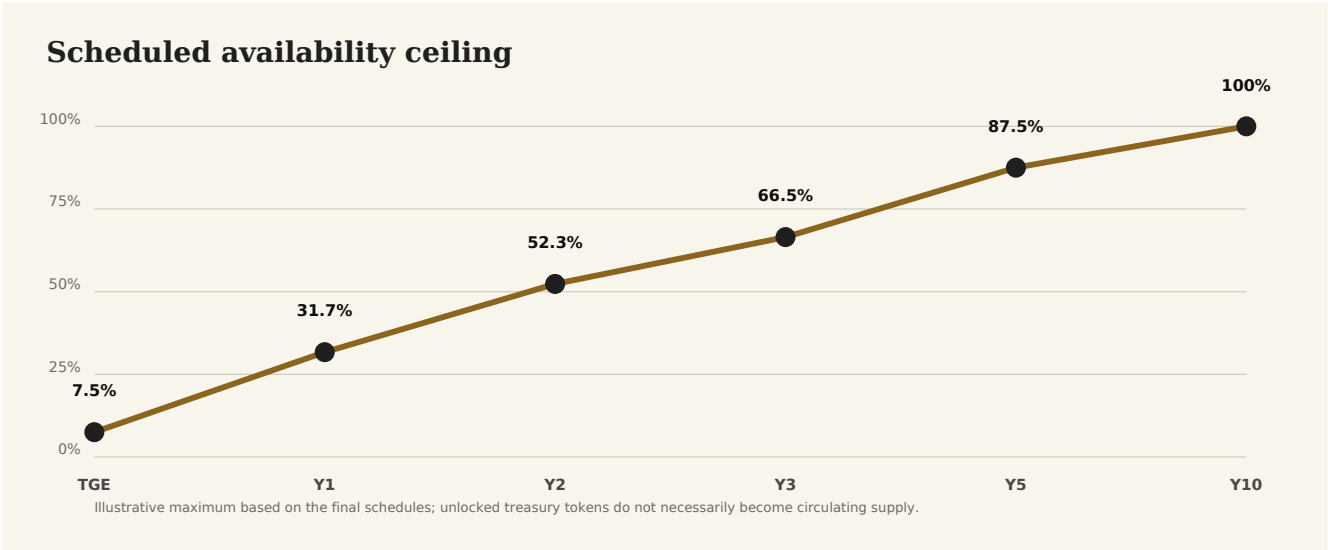
Source	Tokens	% supply
Private Sale	2,500,000	2.5%
Liquidity Reserve	4,000,000	4.0%
Community Vesting	1,000,000	1.0%
Initial total	7,500,000	7.5%

INITIAL CEILING

A maximum of 7.5% of supply is available at TGE. No team, advisor, strategic reserve, ecosystem, or growth tokens are distributed at TGE.

10 / SUPPLY SCHEDULE

Availability differs from circulation



Term	Definition
Maximum supply	Absolute cap of 100,000,000 ORUM before burns.
Unlocked	Tokens that have passed time restrictions but may remain in treasury.
Committed	Tokens allocated under a contract or milestone but still subject to restrictions.
Circulating supply	Tokens without transfer restrictions that are economically available to the market.
Burned	Tokens permanently destroyed, reducing outstanding supply.

The ceiling combines initial distributions, linear monthly vesting for non-Private-Sale pools, and the disclosed phase schedule for Private Sale.

Public controls

- Wallets, vesting vaults, treasury transactions, and burns are monitored through a public dashboard.
- Project-controlled LP positions are locked for at least 24 months and disclosed.
- Monthly reporting reconciles maximum, unlocked, committed, circulating, treasury, and burned supply.

11 / TOKEN UTILITY

Measurable benefits activated in stages

\$ORUM is designed to support ecosystem interactions without becoming a prerequisite for purchasing gold. Each function is activated only after legal pathways, partner integration, and user controls are ready.

Utility	Public design	Evidence of use
Membership and loyalty	Tiers based on voluntary holding or locking	Active users and retention
Service benefits	Disclosed benefits or fee reductions	Use and program cost
Priority access	Access to eligible services or programs	Activation and completion
Merchants and partners	Outcome-based integration incentives	Recipients, purpose, and outcome
Ecosystem voting	Limited choices over community programs, not corporate rights	Proposals and voting results
Token-to-Rupiah	Opt-in conversion through an authorized partner	Time, value, fees, and failures
Transparency	Wallets, vesting, treasury, buyback, and burn	Dashboard and reconciliation

Token economic principles

Token demand is expected to come from service use and ecosystem programs, not promised returns. ORUM does not offer fixed APY or emissions without underlying activity.

The token does not provide

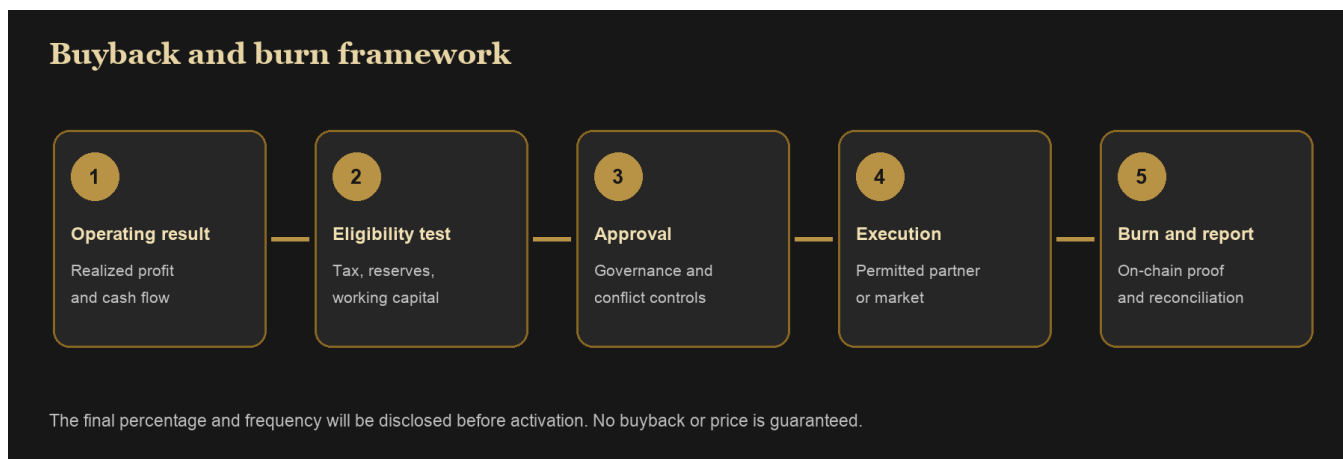
- Rights to specific gold, company gold reserves, or a redemption mechanism.
- Rights to dividends, revenue, profit, assets, or corporate voting.
- A guarantee of liquidity, price stability, appreciation, or repurchase.

CLASSIFICATION

The term gold-backed is not used. \$ORUM's connection to the physical business comes from utility and treasury policy, not from legal rights to gold.

12 / BUYBACK AND BURN

A discretionary policy with clear limits



PRINCIPLE Buybacks are neither a primary utility nor a company obligation. The policy may be activated only after legal review and may use a portion of eligible realized free cash flow after taxes, reserves, obligations, and working capital needs.

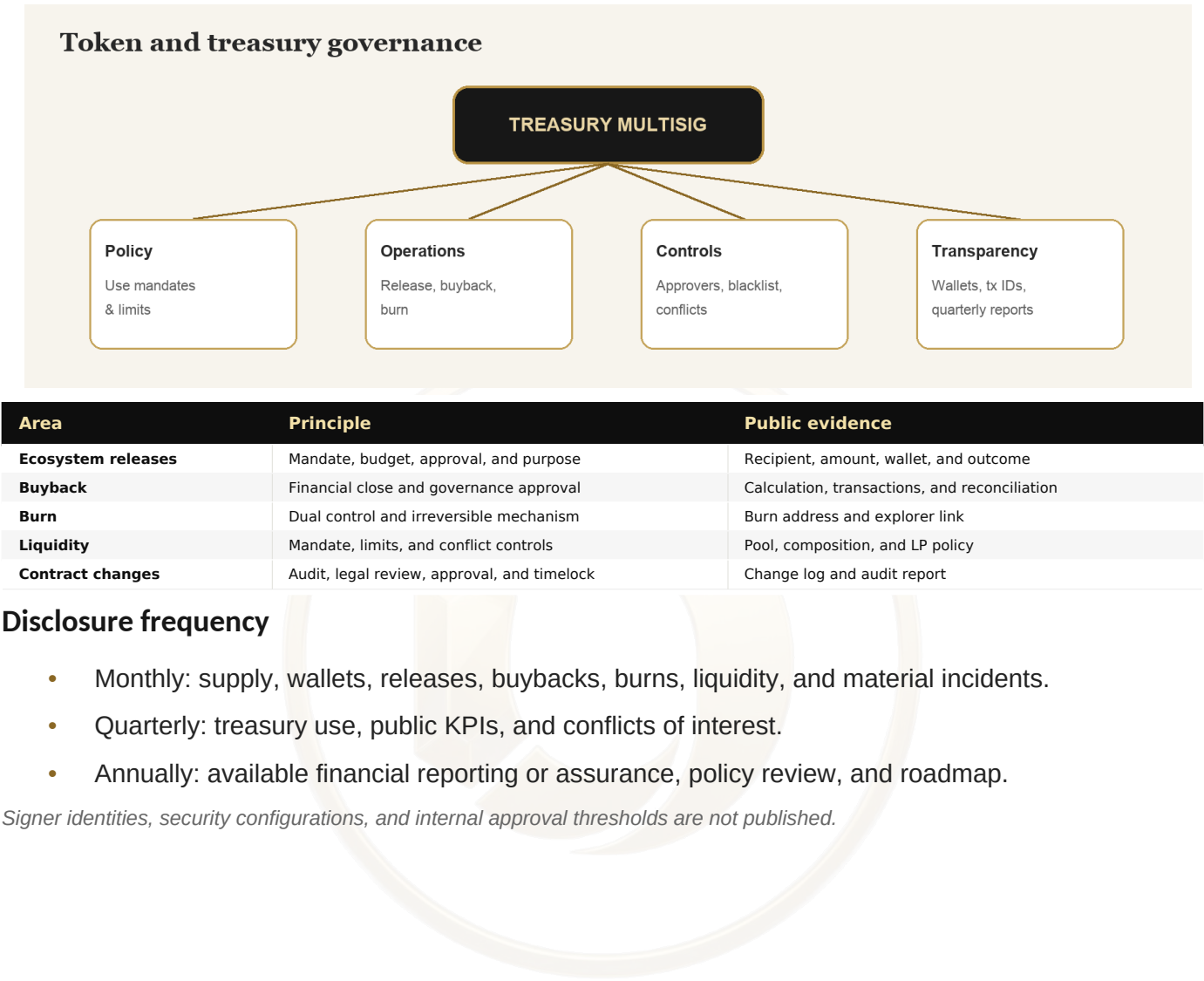
Public guardrails

- There is no buyback when eligible profit or cash is unavailable.
- Buybacks are not debt-financed and do not guarantee liquidity or price.
- Execution follows approval, blackout periods, conflict controls, limits, and permitted partners or markets.
- Reports disclose value, tokens purchased, average price, fees, transaction IDs, and burn evidence.

NOT PUBLISHED The whitepaper does not include nominal buyback simulations, profit projections, or a mechanical link to a target price.

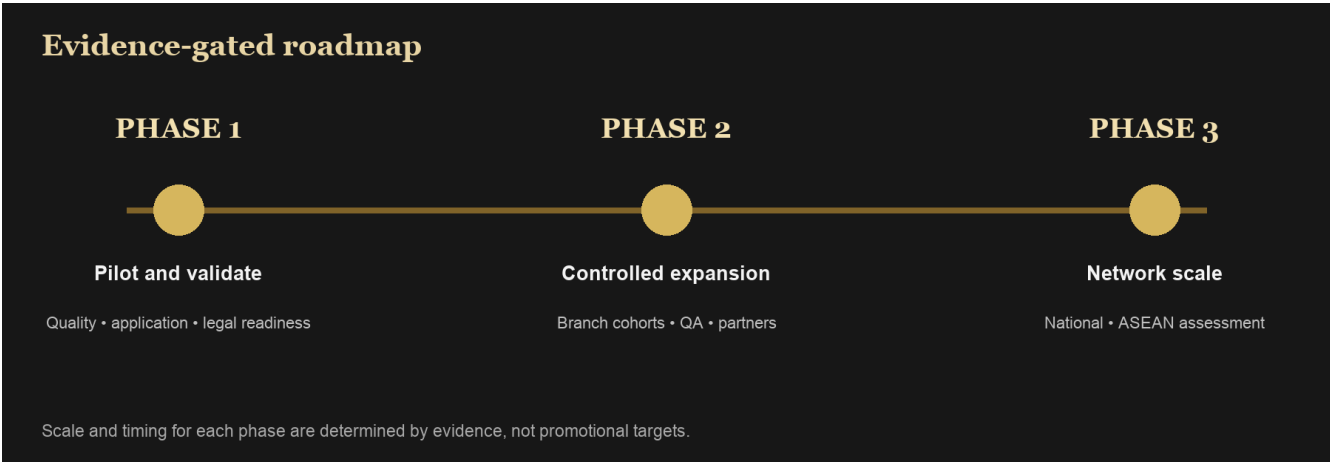
13 / GOVERNANCE

Treasury, decisions, and transparency



14 / ROADMAP

Expansion follows evidence



What is not a public commitment

- Branch counts and opening dates that have not been approved.
- Expansion budgets, capital per location, and internal volume targets.
- ASEAN expansion before legal and partner review in each jurisdiction.

PRINCIPLE Scale follows quality, legal, financial, technology, and governance readiness.

15 / COMPLIANCE

Market access through the appropriate pathways

ORUM places physical gold trading, Rupiah payments, and token functions in separate layers. The final structure is activated only after relevant legal analysis, contracts, and partners are in place.

Area	Public position
Gold retail	Operates under applicable classification, location, product, tax, and consumer terms
Rupiah and payment	Merchant pricing and settlement in Rupiah through relevant channels
Digital assets	Conversion, custody, trading, and marketing through authorized pathways and partners
KYC / AML	Risk-based KYC, screening, monitoring, reporting, and retention as required
Data and consumers	Consent, privacy, security, complaints, refunds, and risk communication

PUBLIC LANGUAGE ORUM does not use the claim zero regulatory risk and does not state that regulatory approval has been obtained before official evidence is available.

Indonesia's digital asset framework is under OJK and may continue to evolve. The final document must be updated as regulation changes.



16 / RISK FACTORS

Material risks and public mitigations

Material risk	Impact	Public mitigation
Gold verification	Losses and disputes	Multiple methods, calibration, escalation, audit, and complaint handling
Settlement	Transactions or inventory held up	Partners, reconciliation, controls, and fallback pathways
Regulation	Features delayed or discontinued	Legal review, licensed partners, access restrictions, and disclosure
Liquidity and volatility	Slippage and loss of value	Risk warnings, limits, pool transparency, and no price promise
Treasury and conflicts	Dilution and loss of trust	Multisig, mandates, budgets, reporting, and independent review
Cyber and physical	Loss of assets or data	Segregation, access controls, backups, response, and insurance
Scalability	Controls weaken during expansion	Evidence gates, QA, training, and audit

Token risk

\$ORUM may experience high volatility, limited liquidity, access changes, technology failure, regulatory change, or total loss of value. Buyback and burn do not eliminate these risks.

NO GUARANTEE There is no guarantee of listing, liquidity, redemption, income, profit, or any particular price.

17 / PRE-TGE COMMITMENTS

What the public must know before activation

Category	Disclosure before TGE or activation
Token contract	Mint/program address, decimals, total mint, authority status, audit, and upgrade policy
Vesting and treasury	Vesting contract, beneficiary wallet, treasury multisig, ecosystem wallet, and release policy
Initial distribution	Private Sale, liquidity allocation, pool composition, LP ownership or lock, and market policy
Buyback and burn	Final percentage, frequency, eligibility, approval, venue, burn mechanism, and reporting
Partners	Names and scopes of partners for digital assets, payments, KYC, custody, and listing where applicable
Rights and risks	Token terms, geographic restrictions, risk factors, privacy, tax notice, and complaint channel

Parameter status

- Parameters not yet disclosed are pre-TGE commitments, not implementation facts.
- Features dependent on partners or authorization are not active before the pathway is ready.
- Material changes after publication are recorded through version history and a change log.
- The public dashboard becomes the source of token operating data after activation.

PUBLICATION GATE TGE or token utility must not be activated before relevant disclosure, audit, legal review, and treasury controls are complete.

18 / TECHNICAL DESIGN

Contracts, authorities, and security

Token implementation is planned on Solana. The program choice and all authorities will be finalized before TGE based on control requirements, audit results, and legal review.

Component	Status and public control
Token standard	SPL Token or Token-2022; the final choice and extensions are disclosed pre-TGE
Mint and decimals	Mint address, decimals, and total mint are verified through an explorer
Mint authority	Revoked after fixed minting or locked under an audited design
Freeze authority	Status, purpose, limits, and revocation path are disclosed; no undisclosed use
Vesting	Separate contracts or vaults by pool with public beneficiary wallets and schedules
Treasury and upgrades	Multisig, separation of duties, audit, change log, and a timelock where available
Security operations	Monitoring, incident response, backups, recovery, and responsible disclosure

Pre-TGE evidence

- An independent audit report and publicly reviewable audit scope.
- A list of official wallets, vesting vaults, treasury multisigs, and project-controlled LP positions.
- Authority documentation, upgrade policy, emergency-response mechanism, and change log.

PUBLIC BOUNDARY The public receives control status and on-chain evidence. Signer identities, internal thresholds, credentials, backup locations, and incident runbooks remain confidential.

19 / USER PROTECTION

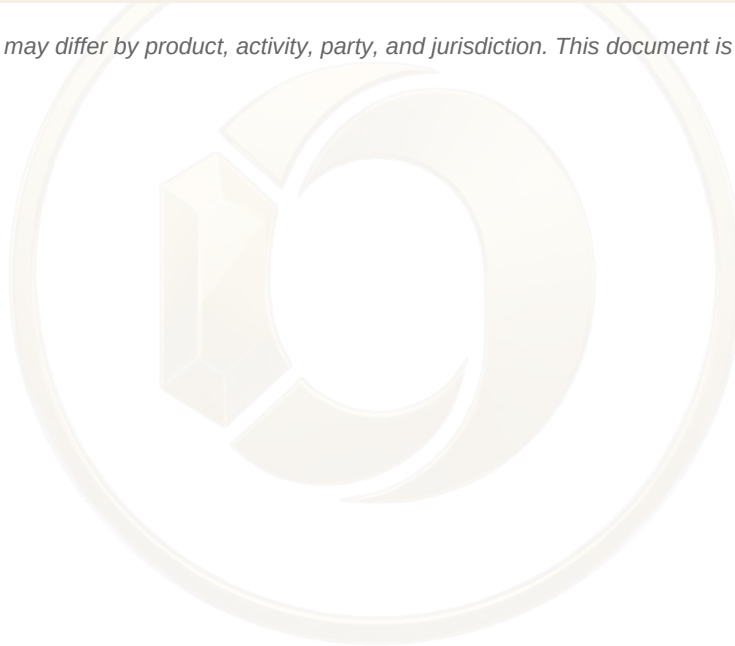
Rights, information, and resolution pathways

Gold-service terms and token terms are separated so users understand the product, responsible party,

Area	Minimum user information
Price and quote	Rupiah price, validity period, spread or fees, tax, and change conditions
Gold and ownership	Product specification, verification result, transfer of title, and fulfilment method
Verification limits	Method capabilities, potential false results, secondary testing, and disputes
Token conversion	Opt-in status, provider, quote, fees, slippage, finality, failure, and refunds
Data and KYC	Purpose, processing basis, consent, retention, sharing, security, and data-subject rights
Complaints	Channel, ticket number, response time, escalation, and outcome record
Token access	Eligibility, jurisdiction limits, risks, tax, custody, and prohibition on misleading marketing

AUTHORIZATION BOUNDARY ORUM does not claim any license, regulatory approval, partner, or specific KBLI scope before official evidence is available. The scope of bullion trading and each party's role must be confirmed before services are activated.

Classification and obligations may differ by product, activity, party, and jurisdiction. This document is not a legal opinion.



20 / REFERENCES

Primary sources and version history

Primary source

ORUM Gold Hub - 2026 Internal Briefing, PT Orum Logam Nusantara, 36 pages. This public edition uses only material suitable for publication and excludes internal financial, contractual, SOP, and security details.

Official sources 1-7

1. OJK - POJK 27/2024: [official source](#)
2. OJK - POJK 23/2025: [official source](#)
3. OJK - PADK 3/2026: [official source](#)
4. OJK - digital financial asset and crypto-asset licensing list: [official source](#)
5. OJK - POJK 17/2024 on bullion business activities: [official source](#)
6. OJK - POJK 22/2023 on consumer protection: [official source](#)
7. Bank Indonesia - PBI 17/3/PBI/2015 on the use of Rupiah: [official source](#)

Version history

Version	Date	Principal change
2.0	August 2026	Separation of public and internal material
2.1	2 September 2026	Expanded disclosure and compliance framework
3.0	September 2026	Revised allocation, vesting, Private Sale, initial supply, utility, and public controls

21 / ADDITIONAL REFERENCES

Technology, consumers, and disclaimer

Official sources 8-15

- 8. OSS - KBLI 47735 Retail Trade of Jewelry: [official source](#)
- 9. BPK - Law 8/1999 on Consumer Protection: [official source](#)
- 10. BPK - Law 27/2022 on Personal Data Protection: [official source](#)
- 11. BPK - Government Regulation 80/2019 on Electronic Commerce: [official source](#)
- 12. Komdigi - Electronic System Provider registration: [official source](#)
- 13. Solana - token basics documentation: [official source](#)
- 14. Solana - token extensions documentation: [official source](#)
- 15. Thermo Fisher - XRF limitations and secondary testing for bullion: [official source](#)

OSS titles KBLI 47735 Retail Trade of Jewelry. Its suitability for bullion products or ORUM's operating model must be confirmed through legal advice and relevant licensing.

FINAL DISCLAIMER This whitepaper is not a prospectus, an offer of securities or digital assets, a solicitation to purchase, an investment recommendation, a legal opinion, or a performance guarantee. Digital assets are high-risk and may lose all value. Eligibility, access, and features depend on jurisdiction, approvals, partners, and final documentation. Users must conduct an independent assessment.

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