

NEOENGINE

WHITEPAPER



Executive Summary

NeoEngine is a decentralized cloud infrastructure platform built on Solana that transforms idle hardware into revenue-generating assets. Through a peer-to-peer marketplace, users contribute CPU, GPU, RAM, storage, and bandwidth to earn \$NGNX tokens with direct conversion to SOL or USDC. Traditional cloud infrastructure concentrates power and profit into the hands of Amazon, Microsoft, Google, and Apple—NeoEngine redistributes this value to the hardware owners who power the network.

Providers earn through three methods: Passive Mining for set-and-forget earnings where Nodex assigns background tasks automatically, Direct Rentals where specific renters bid on dedicated hardware access for higher earnings, and Distributed Rentals where Nodex automatically pools resources across multiple providers to fulfill larger contracts. The tiered hardware providers system scales earning multipliers from 1x (Nomad) to 50x (Architect) based on hardware capacity, service quality, and uptime.

With 55% of the 1 billion token supply allocated to community mining and 15% each for treasury and team development, NeoEngine's tokenomics prioritize the infrastructure contributors who make the network possible. Launching Q1 2026, this represents a fundamental shift from paying cloud giants to earning from decentralized infrastructure where users own and profit from the network they build.

Four Companies Control the Cloud

Amazon, Microsoft, Google, and Apple dominate a \$913 billion cloud market with 65% control. Your hardware sits idle most of the day earning nothing while you pay them monthly for degraded performance. Data centers run at 10-20% utilization burning 4.4% of U.S. electricity—two billion consumer devices worldwide could power this infrastructure instead.

You pay egress fees to access your own data. Proprietary APIs trap you in vendor lock-in disguised as convenience. Annual contracts guarantee they profit whether you use the capacity or not. Meanwhile your desktop, laptop, or phone depreciates unused, generating zero return on investment,

DePIN projects proved decentralization works at scale. Helium built 375,000+ wireless hotspots. Render created GPU rendering markets. Filecoin established decentralized storage. Each excels in their domain—but developers still can't deploy complete applications without juggling multiple protocols and platforms.

NeoEngine solves this by providing CPU, GPU, RAM, storage, and bandwidth in one Solana-based marketplace, bridging DePIN networks together instead of competing with them.

NeoEngine Returns Control to Hardware Owners

NeoEngine creates a peer-to-peer marketplace on Solana where your hardware investment finally generates returns. Contribute CPU, GPU, RAM, storage, and bandwidth from any device-phone included-and earn \$NGNX tokens convertible to SOL or USDC. No specialized equipment required. No technical expertise needed. If you own hardware with an internet connection, you're already qualified to participate.

The Vision: user-owned internet infrastructure where people profit from the network they build instead of enriching centralized monopolies. Every idle phone, laptop, desktop and server become productive infrastructure earning passive income. Traditional cloud providers extract value-NeoEngine redistributes it to the hardware owners powering the network.

Serving individuals through peer-to-peer resource sharing and enterprise through business-to-business infrastructure partnerships. Developers deploy applications without vendor lock-in. Providers monetize underutilized capacity. Renters access affordable compute without markup premiums. Three participants, one marketplace, zero middlemen extracting rent.

Our Mission: Vaporize the cloud by proving decentralized infrastructure outcompetes centralized monopolies on cost, performance, and accessibility.

Three Ways to Earn: Passive, Direct, or Pooled

Passive Mining requires zero management. Allocate resources once, Nodex assigns background tasks automatically, you earn based on hardware tier and uptime. Your computer works for you while you game, sleep, or work. No active involvement beyond initial setup—perfect for users who want set-and-forget income from idle capacity.

Direct Rentals connect you with specific renters bidding on your hardware. You accept contracts, they get dedicated access, you earn premium rates. Higher income potential but you're responsible for maintaining uptime commitments. Ideal for users who want active management and reputation building through consistent service delivery.

Distributed Rentals let Nodex pool your resources with other providers automatically. Renter needs 16 cores but you only have 8? The system splits workloads across multiple providers seamlessly. You participate in larger contracts even with modest specs, earning proportional shares without manual coordination.

Hardware determines your tier and earning multiplier: Nomad (Mobile 1x), Mercenary (Laptop 5x), Node Runner (Desktop 10x), Architect (NAS/Servers 20-50x). Even smartphones qualify through bandwidth sharing and lightweight CPU tasks optimized for mobile efficiency.

Passive Mining



Direct Rentals

Pooled Rentals

Five Resource Protocols and AI Orchestration

NeoHash handles CPU compute for application hosting, CI/CD pipelines, and general processing. NeoMem manages RAM for caching layers, databases, and memory-intensive operations. NeoVault provides encrypted storage using client-side AES-256—users encrypt locally before upload, providers store encrypted blobs they cannot decrypt. NeoSync monetizes bandwidth for streaming, downloads, and data transfer settled per gigabyte based on network conditions.

NeoLink GPU resources power both renter workloads and Nodex itself. Through federated learning, Nodex uses distributed VRAM across the network to continuously improve load balancing and resource allocation—completely opt-in for providers who want to contribute and earn passive income from their GPU. The AI gets smarter over time by learning from every provider's hardware patterns without centralized training—privacy-preserving intelligence that scales with network growth.

Nodex orchestrates everything: AI-powered load-balancing, intelligent workload distribution, oracle pricing integration, and security coordination across all protocols. Providers choose automatic optimization through Nodex or manually allocate resources based on their preferences—both approaches work seamlessly within the same infrastructure.

All protocols serve both peer-to-peer individuals and business-to-business enterprises through the same marketplace infrastructure. Oracle-based pricing delivers 70-90% discounts versus traditional cloud providers.

Complexity Handled in the Background

NeoEngine OS is a custom Linux distribution providers download and install. Setup auto-detects hardware tier, configures resource allocation, and connects to the network. No terminal commands, no configuration files, no technical knowledge required. The entire stack–Nodex orchestration, NeoLock security, Escrow settlement, DAO governance–operates invisibly while you earn.

Security runs on multiple layers through NeoLock. Container isolation prevents renters from accessing provider systems, encryption protects data in transit, threat detection monitors suspicious activity. DDoS attacks become profit opportunities–providers earn 150-300% bonus multipliers for successful defence, turning attacks into network stress tests that pay participants.

Guilds let friends pool resources and split earnings automatically through smart contracts. Someone has 8 cores, another has 32GB RAM, a third contributes bandwidth–together they fulfill contracts individually impossible. Proportional distribution happens on-chain with zero manual accounting or trust required between guild members.

Built with Rust for performance-critical components, TypeScript for frontend and applications, Docker and Linux for workload isolation, React Native / Expo for cross-platform mobile. Solana's 400ms block times and sub-cent transaction costs enable real-time resource settlements and micro-payments impossible on Ethereum or Bitcoin-critical for a marketplace processing thousands of provider payouts hourly. NeoEngine DAO manages treasury through Realms-based governance with 3-of-5 multisig. Standard Escrow handles payments: dual-signature, 24-hour timeout, 0.5% platform fee.

\$NGNX Tokenomics: Community-First Distribution

1 billion \$NGNX tokens on Solana with fixed supply—no inflation, no surprise minting. Distribution prioritizes network participation: 55% community mining rewards providers for actual hardware contribution, 15% treasury for development and operations, 15% team allocation with 18-month cliff and 48-month vesting, 10% angel investors with 6-month cliff and 24-month vesting, 5% ecosystem grants and bug bounties. Token generation event launches Q1 2026 focused on community building before software deployment.

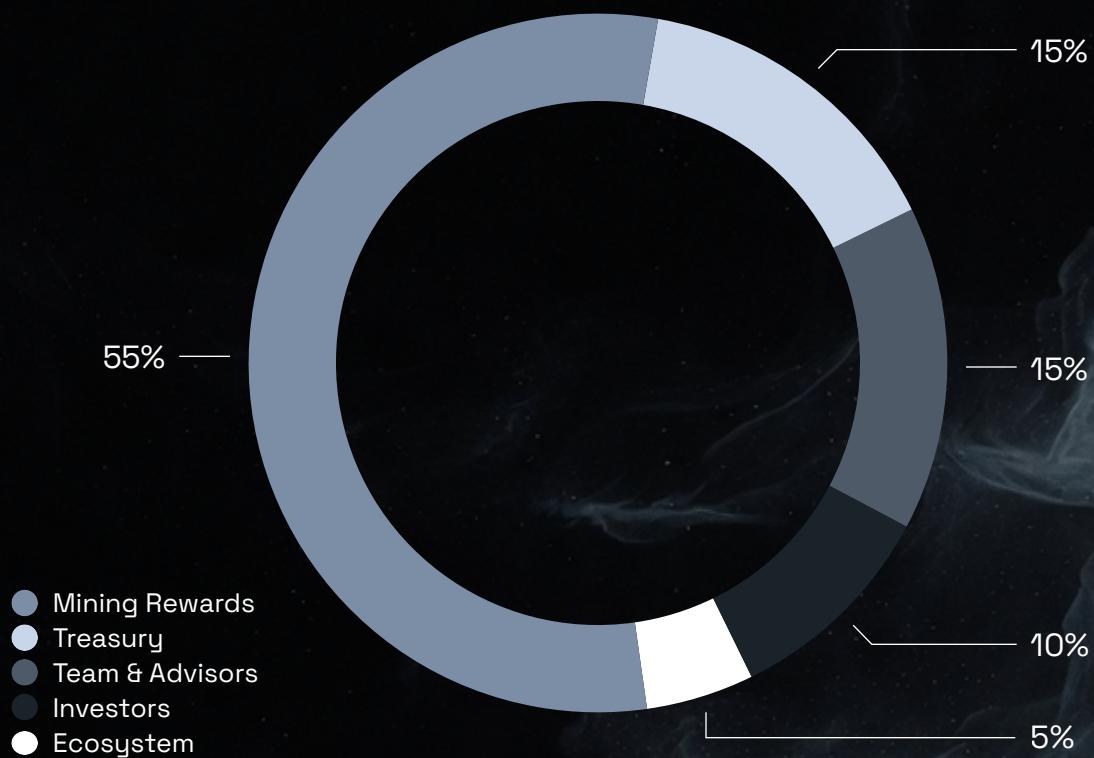
Initial circulating supply at TGE: 15% (150 million tokens) with remaining supply released through vesting schedules and mining rewards over 48 months. Angel investors receive 6-month cliff and 24-month vesting to ensure long-term alignment with network growth.

The marketplace charges 3.5% fees split three ways: 40% permanently burns tokens creating deflationary pressure tied to network usage, 40% funds treasury operations including engineering and infrastructure costs, 20% returns to providers as performance bonuses. More network activity means more burns and higher provider rewards—economic incentives align with network growth.

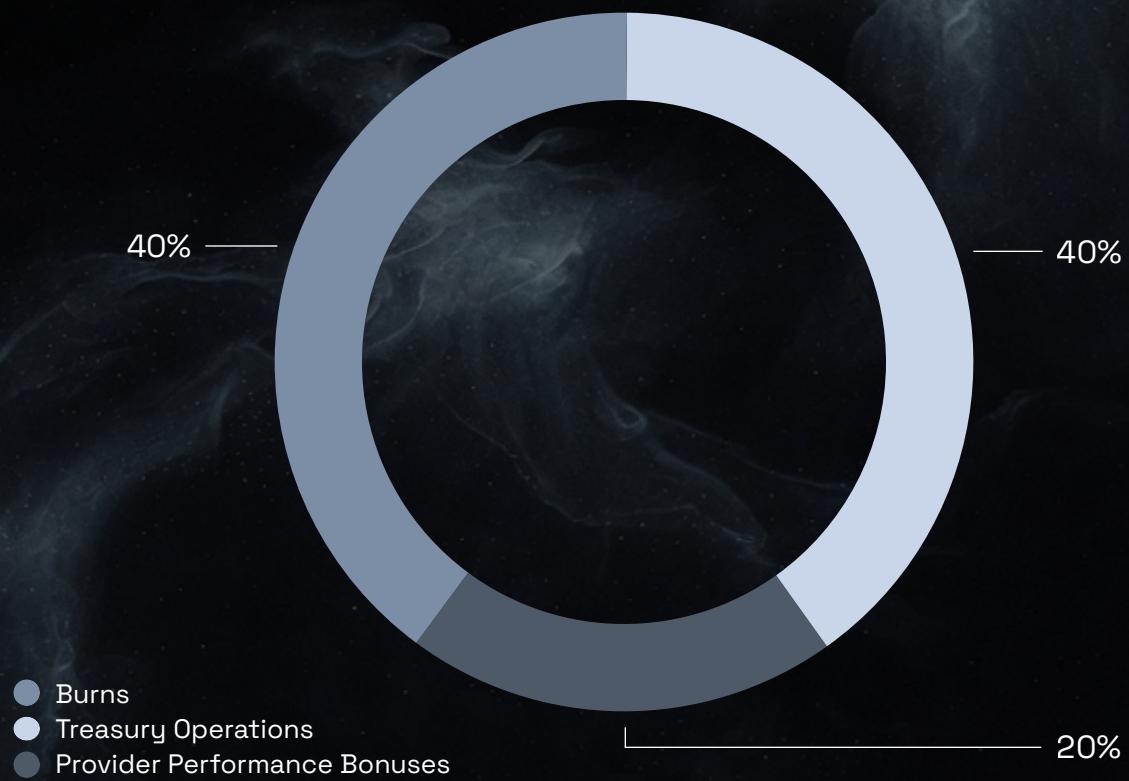
Bonding curve mechanics ensure sustainable tokenomics as liquidity scales with adoption. All treasury transactions happen on-chain through NeoEngine DAO governance, publicly auditable via Solana Explorer. Three token utilities: transaction settlement for all marketplace payments, governance rights for protocol decisions, and staking requirements that prevent spam while enabling slashing for bad actors.

Target 70,000+ active users by 2030 approaching network sustainability as transaction fees cover operational costs. \$NGNX functions as infrastructure utility-token value derives from actual network usage and adoption rather than speculative trading.

Tokenomics



Marketplace

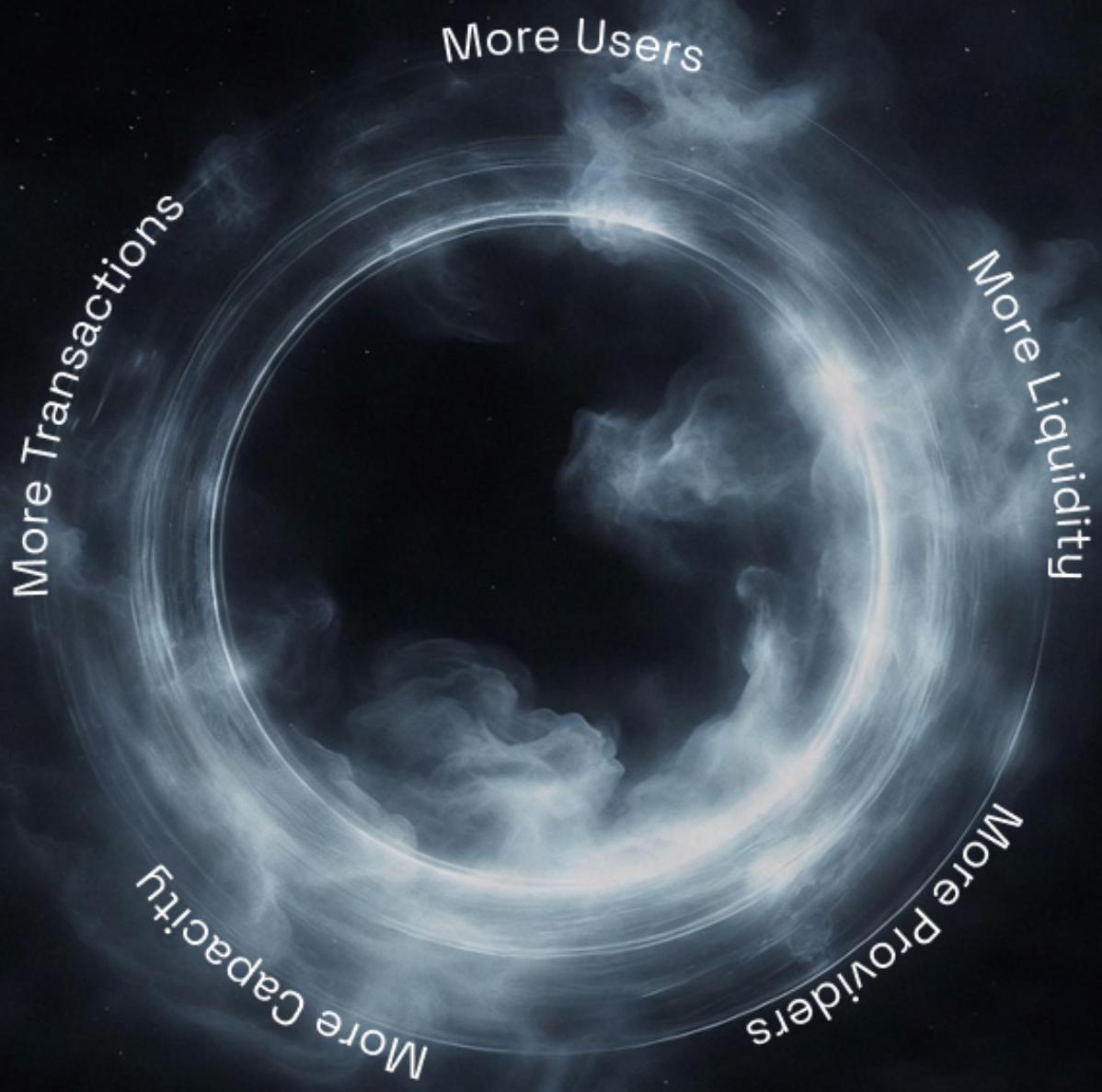


Platform Economics: Web2 Access, Web3 Infrastructure

Traditional users rent resources using credit cards without touching crypto. Someone wants a game server? They pay \$10/month in fiat through the NeoEngine marketplace, select subscription tier, and receive infrastructure automatically. Behind the scenes, fiat converts to \$NGNX, adds marketplace liquidity, and distributes to providers fulfilling the contracts. Users never see wallets or tokens—they just get working infrastructure.

Developers deploy applications directly on NeoEngine infrastructure—websites, APIs, databases, game servers. Decentralized alternatives to Vercel, Netlify, AWS without vendor lock-in or egregious pricing. But the real unlock: entrepreneurs build businesses on top of the protocol. Create “[GameServers.com](#)” that programmatically rents NeoEngine resources through our APIs, add your own margin, build your own brand. You’re simultaneously a customer and a business layer leveraging the underlying marketplace.

This composability creates network effects beyond simple peer-to-peer transactions. More fiat users drive \$NGNX liquidity. More businesses built on top increase transaction volume. More transaction volume increases provider earnings and burns. Higher provider earnings attract more capacity. More capacity enables larger businesses. The flywheel compounds without artificial incentives—just participants extracting value at every layer while feeding the underlying protocol.



Q1 2026 Token Launch to 2028 Network Maturity

Q1 2026 marks token generation event and community foundation-no software yet. TGE first, build community second, recruit contributors third. Documentation, Discord, infrastructure, early adopter onboarding. This quarter establishes culture and attracts aligned participants before code deployment begins.

Q2 2026-Q2 2027 focuses on development with 2-4 core engineers building smart contracts, NeoEngine OS, and marketplace infrastructure. Security audits (\$150K-\$250K) and bug bounties through Immunefi happen before any mainnet deployment. Timeline remains flexible based on technical complexity and team capacity.

Q3-Q4 2027 launches testnet targeting 1,000+ beta participants stress-testing marketplace mechanics, Escrow flows, container deployment, NeoLock security, and guild coordination. 12-16 weeks of iteration based on user feedback and stress testing results.

Q1-Q2 2028 progressive mainnet rollout with conservative initial launch targeting 3,000-5,000 active providers proving economic model functionality. Network scales organically through community growth and word-of-mouth adoption.

2028-2030 scales toward sustainability while transitioning governance to full DAO structure. Timeline remains flexible-crypto moves fast, conditions change, technical challenges emerge. Transparency maintained when plans shift.

Reputation Determines Earning Potential

Reputation matters when you commit to contracts—not when you’re passive. Passive Mining lets you allocate resources whenever convenient with zero penalties for going offline. Turn your computer off, restart your phone, take a break—no consequences, just less earning time. We’re not preaching against vendor lock-in while forcing 24/7 uptime.

Reputation becomes critical when pursuing Direct Rentals or joining guild contracts. You accept specific commitments, renters depend on your uptime, you’re responsible for delivery. Breaking contracts, going offline during leases, or delivering below promised specs triggers slashing: 5-10% for minor infractions, 25-50% for major violations, 100% plus permanent ban for malicious behavior. Slashed funds compensate affected renters.

High reputation unlocks priority contract matching, bonus multipliers, and enterprise opportunities requiring proven reliability. New providers start neutral-reputation builds through actual performance when you choose to take contracts. Casual passive users avoid the system entirely, active contractors play by accountability rules.

Dispute resolution runs three tiers: automated Nodex monitoring handles 95% of cases, community arbitration panels resolve 4%, NeoEngine DAO foundation reviews the final 1% involving fraud or major security breaches.

Critical Risks and Mitigation Strategies

Adoption represents the largest risk—need simultaneous provider and renter growth to create functional marketplace. Chicken-and-egg problem where providers won't join without renters and renters won't come without available capacity. Mitigation: mobile-first onboarding requires zero crypto knowledge, fiat on-ramps eliminate Web3 barriers, guild mechanics incentivize friend recruitment. Marketing budget targets communities already self-hosting (r/selfhosted, r/homelab) who understand the value proposition immediately.

Smart contract vulnerabilities could drain funds or break core functionality. Budgeting \$150K-\$250K for pre-launch audits with 2-3 established firms. Bug bounty program through Immunefi rewards security researchers \$1K-\$100K based on severity. Progressive rollout strategy: extensive testnet with users, limited mainnet beta with transaction caps, full launch only after months of stable operation. Emergency pause mechanisms exist only for critical vulnerabilities.

Solana dependency means network outages pause payment settlement—though containers keep running on provider hardware since workloads aren't blockchain-hosted. Multiple RPC providers (DoubleZero + Helius) with automatic failover handle brief interruptions. Token volatility addressed through off-ramps (providers convert earnings to USD immediately) and stable coin support (renters pay USDC/USDT auto-converted to \$NGNX). Regulatory uncertainty requires ongoing monitoring and adaptive compliance frameworks.

Funding: \$5M Staged Deployment

NeoEngine seeks \$5M total raise deployed across 5 milestone-based tranches. Each tranche releases only upon successful achievement of validation gates, de-risking investor capital while proving execution capability before additional funding.

Tranche 1 - \$1.5M: Foundation (Q1-Q2 2026)

Token generation event execution, community building (1,000+ Discord members), initial team hiring (2 engineers), core smart contract development begins. Funds cover TGE costs, initial engineering salaries, infrastructure setup, legal formation.

Tranche 2 - \$1.5M: Development (Q3 2026-Q1 2027)

Smart contracts complete, first security audit (\$150K), NeoEngine OS alpha functional, team expansion to 4 engineers if needed. Funds cover: continued development, security audits, infrastructure scaling, team expansion.

Tranche 3 - \$1M Testnet Launch (Q2-Q3 2027)

Testnet live with 1,000+ beta users, second security audit complete (\$100K), bug bounty program active through Immunefi, desktop and mobile apps in beta. Funds cover: testnet infrastructure, bounty rewards, bug fixes, iteration costs.

Tranche 4 - \$500K: Mainnet Preparation (Q4 2027)

3,000+ active testnet users, mainnet infrastructure buildout complete, marketing ramp-up begins, early enterprise partnership conversations. Funds cover: mainnet infrastructure, marketing campaigns, business development.

Tranche 5 - \$500K: Mainnet Launch (Q1 2028)

Mainnet goes live, 5,000+ users onboarded in first quarter, DAO governance transition begins, treasury management shifts to community control. Funds cover: launch operations, user acquisition, DAO setup.

All treasury transactions occur on-chain through NeoEngine DAO governance, publicly auditable via Solana Explorer with quarterly transparency reports. Staged deployment protects investor capital while demonstrating execution capability at each milestone before additional funding releases.



\$1,500,000
Foundation

\$1,500,000
Development

\$1,000,000
Testnet

\$500,000
Mainnet Prep

\$500,000
Mainnet

Team and Vision: Building User-Owned Infrastructure

Asher Wilson (Founder) brings full-stack development across smart contracts, infrastructure design, and user-first interfaces. Specialized in Rust/Anchor and building accessible DePIN applications. Chris Vanheregwe (Co-Founder, CloudKing from SagaDAO) focuses on tokenomics, community governance, and decentralized network economics. Together they're building infrastructure that complements rather than competes with existing DePIN networks.

Helium dominates wireless with 375,000+ hotspots. Render established GPU rendering markets at \$3.8B valuation. Filecoin leads decentralized storage with 2,400+ enterprise contracts. Each excels in their domain—NeoEngine provides the complete cloud infrastructure layer connecting these networks in one marketplace.

Whether contributing from a smartphone or enterprise server, participants build better internet infrastructure while earning from the network they create. Not just using platforms—owning them. Not just paying monopolies—replacing them. The future belongs to user-owned networks where hardware investment generates returns instead of depreciating unused.

TGE launches Q1 2026. Development follows community establishment. Network scales through participation, not promises. Join the movement building decentralized infrastructure that actually works—or watch centralized monopolies continue extracting value from your hardware investment.

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Discord: Coming Soon!

Legal Disclaimer and References

Legal Disclaimer:

This whitepaper is provided for informational purposes only and does not constitute investment, legal, tax, or financial advice. \$NGNX is a utility token designed for network services and governance, not a security or investment vehicle. NeoEngine makes no guarantees regarding potential earnings, token price appreciation, or platform success. All projections involve significant risks and uncertainties—actual results may differ materially due to market conditions, regulatory changes, technical challenges, or adoption rates. Participation involves risk of total capital loss. Consult qualified advisors before participating.

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