

SmartSentinels LightPaper

Version 2.0 | October 2025



Disclaimer

This document is for informational purposes only. It does not constitute an offer to sell tokens or financial advice. Specifications may evolve as development progresses.

1. Project Overview: The PoUW Infrastructure Layer

SmartSentinels is building a decentralized **Verifiable AI Compute Infrastructure** powered by **Proof of Useful Work (PoUW)**. The platform utilizes a global network of specialized AI agents running on energy-efficient edge devices (e.g., Jetson Orin) and cloud GPUs to perform high-value, real-world services for businesses (e.g., verifiable smart contract audits, legal document analysis etc.).

This represents a new, high-conviction paradigm: replacing wasteful hash-based mining with verifiable, useful AI computation.



2. Problem & Solution

The Problem:

- **AI Integrity Gap:** Businesses lack a secure, verifiable way to prove that decentralized AI models were executed correctly and without bias. Centralized cloud compute remains expensive and opaque.
- **Mining Inefficiency:** Traditional crypto mining consumes massive energy without producing business utility. Web3 needs a low-energy, productive mining model.
- **Dilution Risk:** Token projects often fail due to weak insider vesting, leading to market dumps upon initial unlocks.

SmartSentinels Solves:

- **Verifiable AI Compute:** We ensure transparent, traceable token emissions directly tied to measurable, secure AI output (e.g., audit reports).
- **Utility-Driven Economy:** PoUW agents turn decentralized computational output into valuable tokens, creating a direct utility-value flywheel defended by a mandatory 10% token burn.
- **Institutional-Grade Commitment:** Strict vesting schedules and low TGE float protect long-term value against short-term speculation.

3. Core Mechanics: PoUW and Deflation

SmartSentinels' economic structure is defined by its core minting logic, which locks in deflation and incentivizes long-term asset ownership (iNFTs).

PoUW Mint Distribution (40% Total Supply) Every token minted by an AI agent is instantly distributed, integrating deflation directly into the utility loop:

NFT Holders	60%	Rewards holders of the iNFTs tied to the active compute agent/device.
Treasury / Staking	20%	DAO-Governed Funds for staking rewards and strategic ecosystem grants.
Business Clients	10%	Rebates/rewards for clients who utilized the agent (incentivizing usage).
Burn	10%	Permanently removed from circulation , ensuring net deflationary pressure.

Halving & Scarcity: Emission rates are automatically reduced by 50% upon reaching specified milestones (Phase H1 at 10M SSTL, etc.), guaranteeing long-term scarcity of the 40M PoUW supply.

4. Technical Architecture

Verifiable AI Identity (iNFT - ERC-7857): Agents are linked to Intelligent NFTs that track reputation, completed tasks, and mined rewards, ensuring transparent, monetizable ownership of AI assets.

MCP (Model Context Protocol): Verifies all work on the Edge Layer, enforces **Anti-Abuse Mechanisms** (rate limits, reputation scoring), and controls the secure on-chain minting role.



5. Tokenomics

Token Name: SmartSentinelsToken (SSTL)

Type: BEP-20

Total Supply: 100,000,000 SSTL (Fixed Supply — No Inflation)

Category	%	Tokens	Vesting / Lockup
Proof of Useful Work	40 %	40,000,000 SSTL	Dynamic Minting, 10% Mandatory Burn per emission [Query]. Controlled by Halving Schedule (4 phases).
Liquidity & CEX Listings	15 %	15,000,000 SSTL	7% for DEX (locked 3 years), 8% for CEX (unlocked gradually upon listing)
Strategic Reserve	10 %	10,000,000 SSTL	Locked for 12 months , then linear vesting over 36 months
Marketing & Growth	15 %	15,000,000 SSTL	6-month cliff , then 24-month linear vesting
Team Allocation	10 %	10,000,000 SSTL	12-month cliff , then 36-month linear vesting
Fundraising (Seed, Private, Public)	10 %	10,000,000 SSTL	Seed: 12mo Cliff, 18mo Linear Vesting Private: 6mo Cliff, 12mo Linear Vesting Public: 25% TGE Unlock, 75% 3mo Linear Vesting



Critical Market Safety Features:

- Initial Circulating Supply (ICS) at TGE: 0.5%. This extreme low float maximizes scarcity and protects initial price discovery.
- Team Commitment: The core team and strategic reserve are locked for 4 years, meeting the institutional standard and mitigating dumping risk.

Fundraising Valuation Strategy (FDV Scenarios)

The Seed raise will utilize a dynamic pricing model (e.g., LBP/auction) through the Seedify incubation to maximize capital from the 3,000,000 SSTL allocation, anchoring the project at a premium valuation comparable to Tier-1 AI infrastructure projects.

Scenario	Price Per Token	Implied Fully Diluted Valuation (FDV)	Target Capital Raised	Strategic Rationale
Competitive Baseline	\$1.00 USD	\$100,000,000	\$3,000,000	The median institutional valuation floor for competitive crypto infrastructure deals. It serves as the lowest end of our market benchmark.
Aggressive Floor (Seed Start)	\$2.50 USD	\$250,000,000	\$7,500,000 (Minimum)	The minimum FDV target, validated by robust tokenomics and positioning in the high-growth AI compute sector.
Target Maximized Capital (Seed Avg.)	\$5.00 USD	\$500,000,000	\$15,000,000	The goal of the dynamic auction, achieved by high investor demand for the 3% allocation. This validates the project as an immediate unicorn project.



Vesting Summary (Seed Investors):

- **Allocation:** 3,000,000 SSTL (3% of supply)
- **Vesting:** 12-month Cliff, then 18-month Linear Vesting (2.5 years total). This extended lockup compensates early backers for the high valuation entry price.

7. Use Cases

- **Smart Contract Auditing** (live)
- AI-powered document parsing & analysis
- Medical assistant agents (future)
- Customer service agents (future)
- Local business automation (e.g., invoice processing, email replies)

8. Roadmap Highlights

- **Q4 2025:** MVP launch, PDF audit agent, dashboard release
- **Q1 2026:** Seed sale close, onboard first business clients
- **Q2 2026:** Add new agents (medical, customer support)
- **Q3 2026:** PoUW protocol public release + staking

9. Call to Action

SmartSentinels is building the foundational trust layer for the decentralized AI economy. By replacing wasteful mining with verifiable, useful computation, we are unlocking the next generation of value creation.

Commitment: Our 4-year vesting and 10% burn guarantee long-term alignment.

Join the PoUW revolution. Mint an NFT, run an agent, earn SSTL.

