

ⓑ BitTON.AI Light Paper

1. Abstract

BitTON.AI sets out to deliver a next-generation, AI governed blockchain that couples true decentralization with long-term ecological sustainability. Built on a hybrid **Proof of Decentralization (PoD)** consensus and an adaptive **Proof of Progress (PoP)** emission algorithm, the network rewards real adoption while remaining energy-efficient and accessible to everyday validators.

2. Mission & Vision

Our mission is to build a universally accessible crypto ecosystem that:

- **Empowers users** with friction-less, non-custodial tooling.
- **Maintains scarcity** through Bitcoin-inspired hard-cap tokenomics.
- **Minimises climate impact** via renewable-powered infrastructure.
- **Adapts to AI-driven UX**, enabling conversational agents to interact on-chain.

3. Core Principles

Principle Summary

Proof of Decentralization (PoD)

Hybrid PoS + community checkpoints; one CPU-one-vote ethos.

AI-Governed KPI Management

On-chain KPIs (wallets, utility, liquidity, etc.) feed an AI oracle that gates new

token issuance.

VARP – Validators Accumulated Reputation Protocol

Long-term validator rewards scale with sustained participation. Validators build a reputation score over time, which influences their yield and role within the PoD framework. VARP discourages short-term farming and promotes long-term alignment.

PoP – Proof of Progress

EmissionDifficulty = $1 + \log(W) + \log(B) + \sqrt{U} + 0.5P + 0.3E$; minting becomes harder as activity rises.

RWA Orientation

Bridges tokenized real-world assets like renewable energy or tokenized infrastructure.

Green-Powered Chain

Validators commit to green power; part of network revenue funds solar/wind infrastructure.

Inclusive Validation

Low hardware entry, mobile-friendly delegation, and accessible validator roles.

4. Technical Architecture

1. **Base Layer** – TON-compatible launchpad with migration to standalone chain in 2026.
2. **Consensus Stack** – PoD validator set; PoP throttles emission based on network progress.
3. **AI Oracle Layer** – Decentralized models assess KPI metrics and trigger token minting gates.

4. **Bridges** – EVM/Cosmos-compatible modules to onboard liquidity and real-world asset settlement.

5. Tokenomics Overview

- **Token:** BitTON
- **Total Supply:** 21,000,000
- **Initial Price Ladder:** Starting from \$1.00, scaling logarithmically to \$3,324 per token across 21M supply
- **Emission Logic:**
 - **Acceleration Phase (2025–2030)** – up to 70% of total supply, focused on adoption
 - **Optimization Phase (2030–2050)** – slower, gated emissions
 - **Final Stretch (2050+)** – near-zero inflation, AI-managed issuance only

KPI-Based Emission Model:

KPI Category	Weight
Long-Term Token Holding (LTH)	40%
Utility & Play-to-Earn (UPE)	25%
Liquidity Provision (LP)	20%
Passive Wallet Holding (PWH)	15%

Emission Score = $0.4 \times \text{LTH} + 0.25 \times \text{UPE} + 0.2 \times \text{LP} + 0.15 \times \text{PWH}$

Thresholds: Acceleration ≥ 0.55 | Optimization ≥ 0.70 | Final Stretch ≥ 0.85

6. VARP System (Validators Accumulated Reputation Protocol)

Purpose: To reward **long-term validator performance**, not just short-term activity.

How it works:

- Each validator has a **VARP Score** built from their **consistency, uptime, KPI performance**, and **eco-compliance**.
- The score **influences reward multipliers**, PoD governance rights, and prioritization in slashing/upgrade scenarios.
- **Decay mechanics** reduce scores for validators who go idle or underperform.
- **Transparency:** Scores and rankings are publicly viewable and AI-reviewed.

Impact:

- VARP increases **validator loyalty**, deters quick exits, and fosters **alignment with long-term network health**.

7. Sustainability & Green Commitment

- Validators commit to green power sources or carbon offset equivalents.
- Network revenue partially reinvested into **solar, wind, or decentralized microgrids**.
- "Green Validators" may receive **boosted VARP scores** and emission prioritization.

8. Validator Access Model

Role	Requirements	Benefits
Solo Validator	<8 GB RAM, 4-core CPU, bonded stake	Full rewards & VARP scoring
Delegator	Stake via mobile/web wallet to trusted node	Pro-rata rewards
Green Node	Certified renewable energy use	Enhanced VARP + governance role

9. Roadmap

Phase	Key Milestones	Timeline
Pre-Seed	Website, Telegram apps, AI module prototype	Q2 2025

Seed	Smart contracts, ID automation, pool tools	Q3-Q4 2025
Foundation	BitTON chain launch, validator UI, mobile apps	2026
Expansion	PoD rollout, VARP live, RWA bridges, green infra	2027-2028

10. Compliance & Governance

- MiCA-compliant roadmap (EU-focused)
- Optional tiered KYC for income governance
- Tax-compliant exports (.CSV) for user reporting
- AI-assisted emission logic ensures regulatory adaptability

11. Conclusion

BitTON.AI represents a shift from speculative crypto models to **measurable, AI-driven decentralization**. By tying rewards to **progress, green compliance, and reputation**, BitTON.AI sets the standard for the next wave of crypto ecosystems

