V.I.T.R.I.O.L. Concept

GitBook · Technical Reference

Introduction

V.I.T.R.I.O.L. Concept is a revolutionary protocol that solves the transparency and verifiability challenges of traditional financial instruments. It unites active trading strategies with blockchain-based asset management.

The system is grounded not in human forecasts but in decentralized verification protocols, ensuring mathematical precision and complete operational transparency.

The protocol operates on the Arbitrum One network, delivering high transaction throughput and minimal gas fees.

Technical Infrastructure (V-Contracts)

Vitriol Concept employs a modular smart-contract architecture (V-Contracts) that transfers trust from the human factor to mathematical precision. This architecture guarantees transparency and security across all operational processes.

`CONTRACT_1 // V.I.T.R.I.O.L. Official — VIT Token`

Vitriol Official is the ecosystem's native utility token. More than a payment instrument, it is a digital asset representing the protocol's reserve capacity and throughput.

Token Standard	ERC-20 (Arbitrum One)
Max Supply (Fixed)	720,000,000 VIT

Contract Characteristics

- ◆ Fixed Emission — The token supply was finalized at contract deployment; additional minting is impossible. This provides absolute inflation protection.
- ◆ Burnable — Tokens can be permanently removed from circulation (burned) in accordance with protocol revenues or strategic decisions, reducing total supply.
- ◆ Pausable — In emergency situations, all token transfers can be temporarily halted by an authorized administrator.
- ◆ Access Control (RBAC) — Via a role-based access control model, administrative rights are securely distributed across distinct wallets (Pauser, Admin, etc.).

`CONTRACT_2 // V.I.T.R.I.O.L. Mining Manager — Mining & Difficulty Engine`

Defined in the Whitepaper as the "Central Processor," this contract locks 432,000,000 VIT and governs reward distribution as well as the mining difficulty level.

Dynamic Difficulty Matrix

The protocol manages reward distribution non-linearly through a dynamic difficulty algorithm composed of 12 Macro-blocks, each containing 12 Micro-blocks — yielding 144 difficulty levels in total. The token supply is protected by progressively reducing the distribution coefficient both at each micro-block completion and with an additional reduction at each macro-block completion.

Level	Structure	Token Volume (VIT)	Rate Reduction (BPS)
Full Pool	12 Macro-blocks	432,000,000	—
Macro-block	12 Micro-blocks	36,000,000	−25 BPS (0.25%)
Micro-block	—	3,000,000	−1 BPS (0.01%)

Rate Reduction Logic

- ◆ Micro-block reduction: The contract reduces `currentDistributionRate` by 1 BPS (0.01%) for every 3,000,000 VIT distributed (1 Micro-block).
- ◆ Macro-block reduction: The contract further reduces the rate by an additional 25 BPS (0.25%) for every 36,000,000 VIT distributed (1 Macro-block), on top of micro-block reductions.

`CONTRACT_3 // V.I.T.R.I.O.L. Vesting Periodic – Liquidity Guardian & Locking`

The "Liquidity Guardian" contract is designed to prevent sell-side market pressure by locking the team and founders' token allocation (108,000,000 VIT).

- ◆ 1-Year Cliff — No tokens unlock during the first twelve months.
- ◆ Quarterly Release — Begins after Year 1 and continues for 4 years, with periodic unlocks every 90 days.

Category	Amount (VIT)	Description
Mining Pool	432,000,000	Locked pool for mining rewards.
Initial Liquidity	108,000,000	Initial liquidity for exchanges.
Team / Founder	108,000,000	1-year lock, 4-year vesting schedule.
Strategic Reserve	50,400,000	Reserved for future strategic initiatives.
Community	21,600,000	Rewards for quests and community programs.

User Guide: Product-Based Daily Rewards

Within the V.I.T.R.I.O.L. Concept ecosystem, the reward distribution process is synchronized with user participation and structured on a daily basis.

Daily Synchronized Mining

1 · Product Purchase	The user enters the ecosystem by purchasing a product through V.I.T.R.I.O.L. Concept.
2 · Daily Reward Accrual	Based on the purchased product's price and the current day's `currentDistributionRate`, the user's daily share of the total reward pool is calculated and credited.
3 · Synchronized Process	The user's right to receive rewards from the Mining Pool is synchronized with the expiration date of the purchased product.
4 · Expiration & Completion	When the product's usage period ends, the right to mine from the pool automatically terminates.

ℹ Users can verify product expiration dates, daily reward accruals, and the mining difficulty level at the time of transaction (`currentDistributionRate`) via Arbiscan.

Financial Cycle & Ecosystem Operation

The sustainability of V.I.T.R.I.O.L. Concept is rooted in the transparent, deterministic management of USDT entering the ecosystem via smart contracts.

Ecosystem Operation Simulation

◆ Step 1 — Product Purchase: The user acquires a product denominated in USDT.

◆ Step 2 — Automatic Split (Splitter): The received USDT is instantly divided by The Splitter smart contract:

20%	**Cold Reserve**	Transferred to a token-backed USDT reserve. This reserve maintains the minimum price of the VIT token during adverse market conditions.
80%	**Operational Capital**	Transferred to the TradeCafe Engine for deployment in active trading strategies.

◆ Step 3 — Trading Profit Distribution: Profits generated by the Trading Engine are transparently distributed according to the contract's rules:

45%	**Buy-Back**	VIT tokens are repurchased from the exchange and transferred to a separate locked contract. This mechanism creates constant buying pressure.
20%	**Re-investment**	Returned to the Cold Reserve to continuously strengthen the reserve backing.

35%	**Project Fund**	Allocated to operational expenses and ecosystem development initiatives.

Through this cycle, VIT rewards received by users from the mining pool are backed by a real USDT reserve. Simultaneously, 45% of trading profits are continuously used to buy back and lock VIT tokens on the exchange — reducing sell-side pressure and supporting sustained value appreciation.