

Minetendo Whitepaper

I. Introduction

Minetendo is a decentralized mining ecosystem built on **Abstract Chain**, where users can mine and own the \$MINE token by acquiring **Miners** and placing them in **Factories**. The project simulates a real-world resource economy involving energy and space, offering a strategic, gamified, and rewarding experience for participants.

By combining the simplicity of mining with engaging economic simulation, Minetendo aims to make decentralized finance accessible and entertaining to a wide audience. Whether you're a seasoned crypto miner or a newcomer, the ecosystem is designed to reward thoughtful strategy, long-term participation, and community involvement.

II. Token Overview

- **Token Name:** Minetendo
- **Ticker:** \$MINE
- **Blockchain:** Abstract Chain
- **Total Supply:** 21,000,000 \$MINE (fixed)

Token Distribution

- 90%: Allocated for mining rewards to ensure fair distribution based on user participation and activity.
- 10%: Premine for liquidity provision, enabling smooth exchange listing, ecosystem kickstart, and early access for contributors.

III. Inspired by Bitcoin Halving

Minetendo draws inspiration from Bitcoin – a transparent, limited-supply system with a **Halving** mechanism that reduces emissions over time and promotes long-term scarcity.

This design encourages early participation and long-term holding, as token rewards decrease with each halving epoch, simulating the natural deflation and scarcity seen in traditional commodities like gold.

Halving Formula:

$$R_{epoch} = \frac{R_0}{2^{\lfloor \frac{epoch}{N} \rfloor}}$$

Where:

- R_0 : Initial reward per epoch
- N : Epochs between halvings
- $\lfloor x \rfloor$: The largest integer less than or equal to x

IV. Participation Requirements

1. Factory (Required)

- Users must **purchase a Factory** to begin mining.
- Price of basic Factory: 0.01 ETH (Can be adjusted to match the price of the token)
- Each Factory includes **1 free basic miner**, giving new players a no-barrier starting point.

Factories act as your operational base. The number and efficiency of miners you can operate depend on your Factory's power capacity.

2. Miners (Purchased with \$MINE)

- Miners are the main productivity units in the ecosystem.
- Each Miner has:
 - **Hash Power (HP)**: Determines your share of the rewards.
 - **Power Consumption (P)**: Determines how much energy capacity is required.

Sample Miner Stats:

Miner Type	Hash Power	Price (MINE)	Power
Miner 1	10	100	2
Miner 2	300	2500	50
Miner 3	1000	6500	100
Miner 4	3500	15000	300

Each miner is designed for different strategy levels from low-risk entry miners to high-efficiency machines ideal for maximizing returns.

V. Mining Mechanism

1. Factory Roles

Power Capacity (PC): Determines the total energy your Factory can provide to active miners.

Miner Activation Condition:

$$\sum_{i=1}^n P_i \leq PC$$

Only miners within the available power limit can operate. Excess miners beyond power capacity will remain inactive and earn no rewards.

2. Reward Distribution

Rewards are distributed based on the proportional hash power of your miners:

$$R_m = \left(\frac{HP_m}{\sum_{i=1}^n HP_i} \right) \cdot R_{epoch}$$

Where:

- HP_m : Hash Power of miner m
- $\sum HP_i$: Total Hash Power of all active miners
- R_{epoch} : Total rewards for the current epoch

VI. Referral Program

Grow the network and earn more with our 2-level referral system:

- **F1 (Direct Invite):** Earn 2% of your invitees Miner rewards
- **F2 (Indirect Invite):** Earn 1% of Miner rewards from users invited by your F1s

Referrals are automatically tracked through unique links. This structure rewards community builders and supports viral expansion through incentives.

VII. Fund Usage from Factory Sales

Revenue generated from the sale of Factories is strategically utilized:

- A portion of ETH collected is used to buy back \$MINE from the market, strengthening price support.
- The \$MINE tokens collected from Miner purchases are used as follows:
 - 80% are permanently burned
 - 20% are allocated for marketing and development rewards

VIII. Security & Transparency

Minetendo emphasizes security and decentralization:

- All smart contracts are open-source and undergo thorough auditing.
- Mining operations and reward distributions are executed fully on-chain, ensuring fairness, trust, and immutability.

With full transparency and no backdoors, Minetendo ensures players and investors interact with a trustless, autonomous system.