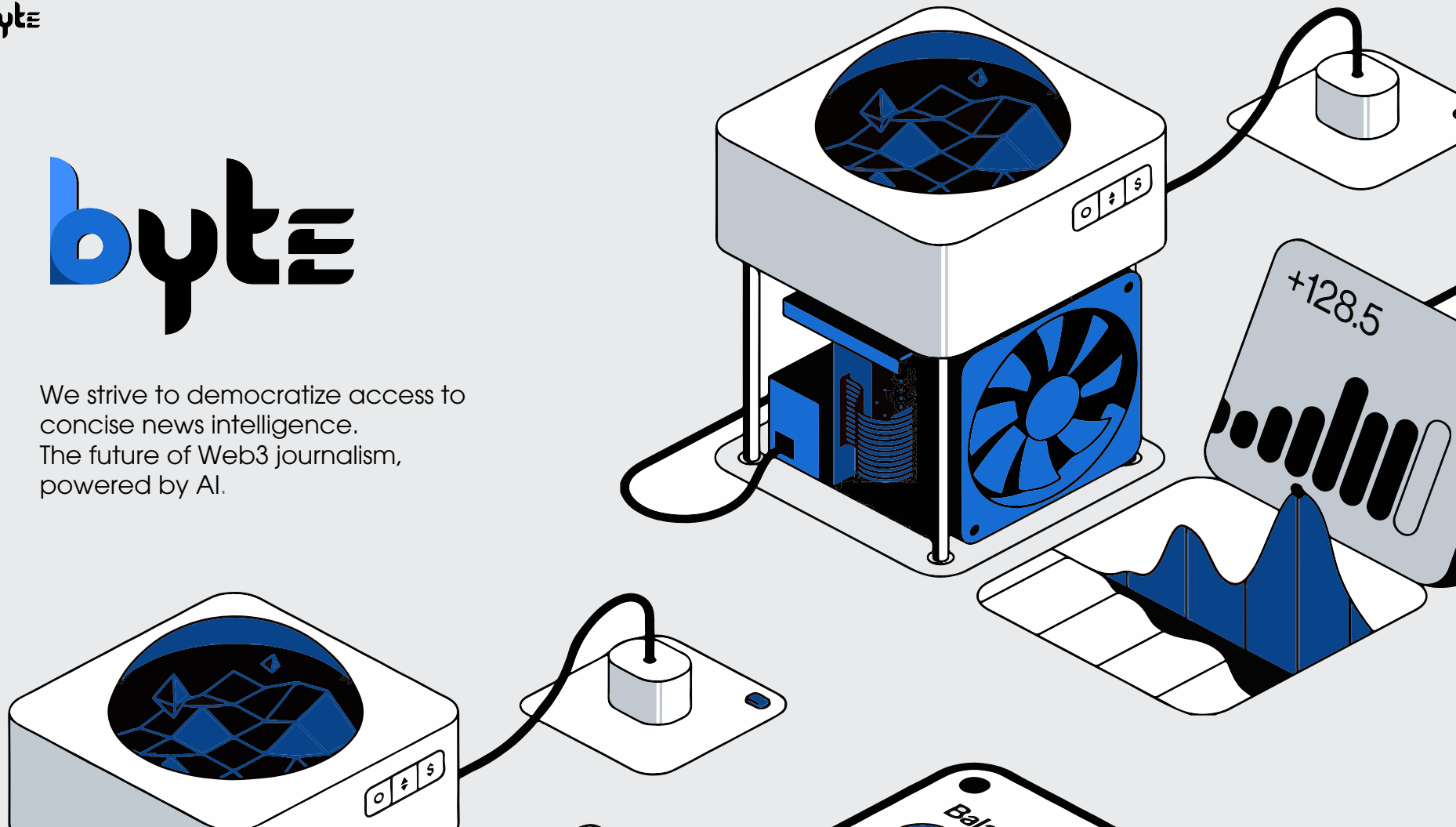


byte

byte

We strive to democratize access to  
concise news intelligence.  
The future of Web3 journalism,  
powered by AI.



# What is ByteAI?

Empowering Access

A decentralized platform for unbiased insights in a world of information overload. Envisioning democratizing access to **impartial, high-quality global intelligence through AI** and decentralized systems. Building on Bittensor.



# Why You Need Uncensored Insights

## Timely News for Timely Views and Perspectives



There is an essential need for unfiltered information to navigate the rapidly evolving crypto markets. In an ecosystem where every second counts, staying informed is not just an advantage; it's a necessity.

As crypto enthusiasts and investors strive to make informed decisions, the platform recognizes the urgency of providing timely news and diverse perspectives. Cryptocurrency markets operate 24/7, making real-time insights indispensable for understanding market trends, regulatory shifts, and emerging opportunities. The absence of censorship ensures that users receive unaltered information, empowering them to form accurate judgments and execute well-timed actions.

## Tackling Misinformation



Censorship or biased reporting can lead to misinformation, which can misguide investors. Uncensored news sources provide a more reliable and transparent view of events, reducing the risk of making decisions based on inaccurate or incomplete information. Making investment decisions with a clearer understanding of the global landscape contributes to better risk management.

## Risk Assessment and Mitigation



Geopolitical uncertainties and global events can introduce risks to the crypto market. Uncensored news sources provide a more unfiltered and honest view of potential risks. Investors can use this information to conduct a thorough risk assessment and implement mitigation strategies. For instance, news about political instability, economic crises, or regulatory crackdowns in a particular region can signal potential challenges for crypto investments.

## Identification of Emerging Opportunities



Uncensored news insights often provide timely and accurate information, enabling investors to receive market alerts promptly. In the fast-paced world of cryptocurrencies, being one step ahead can be crucial. Uncensored news sources may report on events, policy changes, or market trends that traditional media outlets might overlook or downplay. Having access to this information in a timely manner allows investors to react quickly and make informed decisions before the broader market responds.

# Our Vision



### The Foundation

ByteAI is built upon the foundations of democratization, ensuring unbiased insights for all; impartiality, countering bias and fake news with decentralized networks and vetting mechanisms, breadth, connecting information across diverse sources; and at an affordable cost of nothing.



### The System

The system ingests articles via oracles into an agent swarm specialized in areas including statistical verification, textual entailment, co-reference resolution and summarization. The mixture of experts approach allows improved modeling of complex language contexts. ByteAI pioneers techniques to strengthen resistance to emergent manipulation risks including adversarial interplay, blind provenance routing, and swarm-based validity scoring. A core tenet of ByteAI is resisting central control points that could enable bias injection.



### The Rewards

In the early stages, ad revenue will contribute towards buybacks to reward token holders. When the roadmap is fulfilled, Byte will manage subtensor miners, reaping TAO rewards which will be used to buyback tokens.



### The Revenue Structure

The tokenized incentive structure funds the development of specialized LLM models which will eventually complete compute as miners; and revenue reinvestment into development CAPEX will allow an exponential rise in model in model capabilities over time.



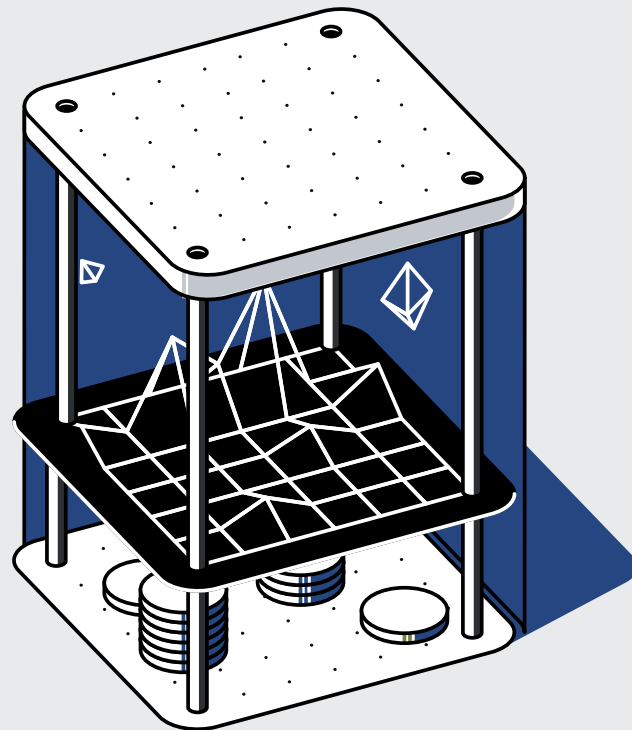
# The Four Pillars

**1** Making unbiased summarized insights accessible to everyday citizens, not just those who can afford expensive analytics tools or Wall Street level Bloomberg terminals.

**2** Levelling the information playing field, mitigating editorial bias and fake news by leveraging decentralized networks, objective statistical methods, and crowd-sourced vetting to distil the signal from the noise - to produce summaries and insights users can trust as neutral.

**3** Ingesting, filtering, and connecting information across a wide array of global news sources, statements, regulatory filings, journal archives, and multimedia feeds to solve information asymmetry. No single source has the whole picture - ByteAI aims to fuse all the fragments through AI and web3 infrastructure to empower more informed decisions.

**4** Offering free channels utilizing sponsorships to provide freedom of unbiased and objective information for those unable to afford quality tools like ours. Access should not be gated only for the wealthy. In summary, making impartial and holistic intelligence that helps navigating complexity more achievable - that is the essence of the societal problem ByteAI intends to tackle.



# Roadmap

## Phase 2 - Improve and Expand Systems

- Improve stretch; output quality and capabilities with specialised fine-tuned LLM models with new parameters to suit each function.
- Produce increasingly powerful models - with documentation of the architecture orchestration shared with the community.
- Simultaneously spearhead the growth of usage necessitates the addition of features; this will be continuous.
- Launch tokenomics to incentivise platform growth.

## Phase 4 - TAO Monetization and Scaling

- Perpetual \$TAO rewards will be used to buy back \$BYTE
- Achieve sustainable protocol-level revenue growth alongside platform ad revenue
- Reinvest yield into scaling mining and; partner with GPU compute providers to optimise costs.

## Phase 1 - Launch Systems Product

- Implement foundational transformer-based summarization prototypes on centralized infrastructure to enable product-market fit
- Establishing userbase and initial traction.

## Phase 3 - Yield and Value Creation

- We begin the journey to real yield in becoming subtensor miners on Bittensor with local subnet staging. Beginning with familiarisation with the codebase and Bittensor architecture.
- The v1 miner will be deployed onto testnet UID 102 to begin performance testing and integration.
- The process is iterated until deployment unto the Bittensor mainnet to begin producing high-scoring task computes, which are rewarded with \$TAO
- Fine-tuned LLMs are guided toward the Yuma Consensus by a custom heuristic derived from the weights of major validators in the subnet.
- A heuristic search algorithm like A\* search will be implemented to enable efficient iterations.



# Tokenomics

The ByteAI network has a native BYTE token serving as the native currency driving development and adoption.

## Token Supply



There is a fixed maximum supply of 1,000,000,000 BYTE.

This provides sufficient initial circulation for distribution while maintaining scarcity dynamics long-term through incentive pools and sinks.

## Token Allocation



10% of the total supply is allocated to the founding team and advisors with a 24 month vesting schedule to incentivize long term commitment.

The remainder is distributed through initial exchange offerings, community mining programs, developer grants, and user growth initiatives.

## Token Utility



The BYTE token serves multiple utilities including subscription access to platform features, governance capabilities over parameters and policies.

## Tokenomics



A 5% tax is levied on all BYTE transactions which funds ongoing development of machine learning models, data ingestion pipelines, user experience improvements and collective system enrichment. As revenue materializes through commercial integration, it will also fund token buyback and burn initiatives.



# Bittensor

X

Collaboration  
Step-by-step  
Walkthrough

1

## Phase 1 Consensus Setup

- Spin up Bittensor testnet nodes on cloud infrastructure like AWS EC2 or Google Cloud
- Install Bittensor client software on nodes and configure with testnet parameters
- Interface the scripts with Bittensor node client calls to route sample data
- Confirm endpoints are accessible and data flows end-to-end
- Troubleshoot issues with Bittensor developers through Discord
- Document workflow diagrams, addressing schemas, latency data

2

## Phase 2 Miner Registration

- Containerize scripts into Docker containers
  - Register summarizer containers as testnet neuron miners
- Bind hot keys to the miners to track contributions
- Verify containers are discoverable as compute providers
  - Ensure containers interact properly with customized subnet

3

## Phase 3 Achieving Consensus

- Ensure end-to-end transaction flow by routing sample requests and validating model responses in a local subnet
- When ready, asynchronous miners are deployed on the SN1 testnet with UID102.
- Continually iterate on fine-tuning of LLM models to approach the Yuma Consensus
- Once a good-enough heuristic has been found, begin deployment on SN1 mainnet