nf(a)

NOT FINANCIAL ADVICE

"Life is and will ever
remain an equation incapable of solution,
but it contains certain known factors."

Nikola Tesla

Our
Principles

PRICES REFLECT ALL INFORMATION AVAILABLE TO MARKET PARTICIPANTS.

The efficient market hypothesis (EMH) is a theory that asserts that financial markets are efficient, which means that prices incorporate all available information. According to this principle, we believe that the only way to outperform the market is by working together on a shared artificial intelligence within a decentralized community structure.

This allows us to pool our resources and expertise, giving us a better chance of discovering inefficiencies in the market that can be exploited for profit. Additionally, using a decentralized framework ensures that the information and knowledge shared among the community members are trustless, fair and unbiased.

WE WILL FOCUS ON COLLABORATION AND INNOVATION BEFORE PRICE.

We hold the view that many cryptocurrency projects launched do not address any genuine issues in the real world.

As we launch, the world is going through a bear market and experiencing high inflation, which is causing harm to many people.

Our goal is to empower the community by giving them control over an artificial intelligence that is dedicated to outperforming the market through collaboration.

FIND INNOVATIVE WAYS OF CREATING VALUE FOR THOSE THAT SUPPORT US.

As we embark on this journey together, we will make every effort to hear the voices of our community and integrate their opinions into our development process.
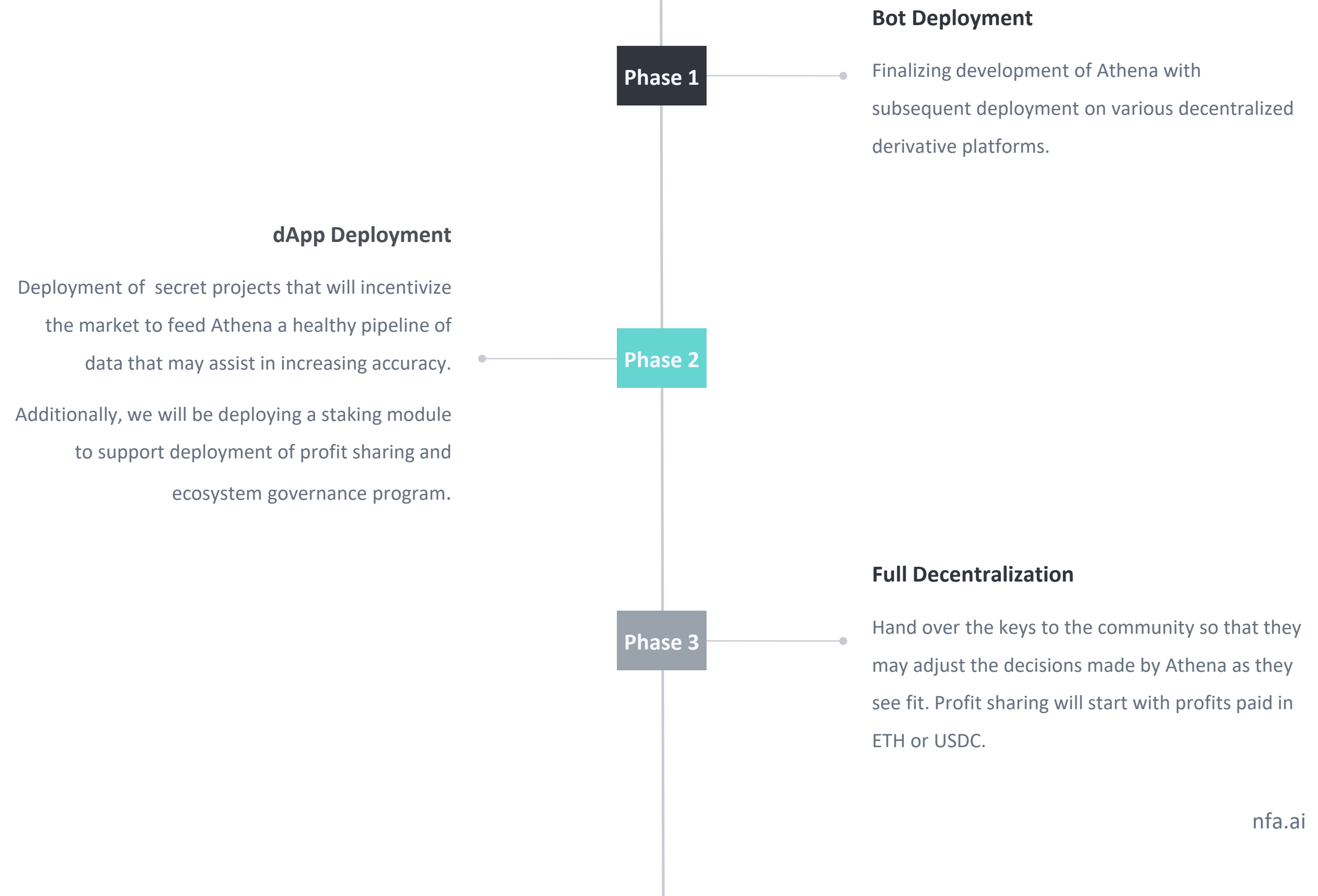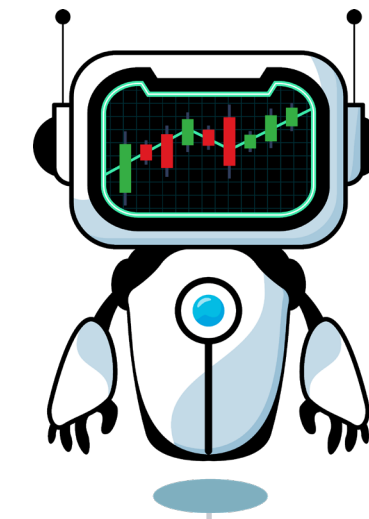
We believe that open communication and collaboration is key to our success. Our team is always available to hear your feedback, answer any questions you may have, and incorporate your suggestions into our development strategy. Your input is valuable and will help us create a product that truly serves the community's needs.

We will be regularly updating our community on our progress and any changes that we make based on your feedback. We encourage you to engage with us and be a part of this journey as we work towards building a better future together.

Outlook

Focused On The Future

Bot Deployment

Phase 1

Finalizing development of Athena with subsequent deployment on various decentralized derivative platforms.

dApp Deployment

Deployment of secret projects that will incentivize the market to feed Athena a healthy pipeline of data that may assist in increasing accuracy.

Additionally, we will be deploying a staking module to support deployment of profit sharing and ecosystem governance program.

Phase 2

Full Decentralization

Phase 3

Hand over the keys to the community so that they may adjust the decisions made by Athena as they see fit. Profit sharing will start with profits paid in ETH or USDC.

The Experiment

We Are Building A Neural Network

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A neural network is a machine learning model inspired by the structure and function of the brain, made up of layers of interconnected 'neurons' that process and transmit information. It can learn and make intelligent decisions on its own by analyzing patterns in data.
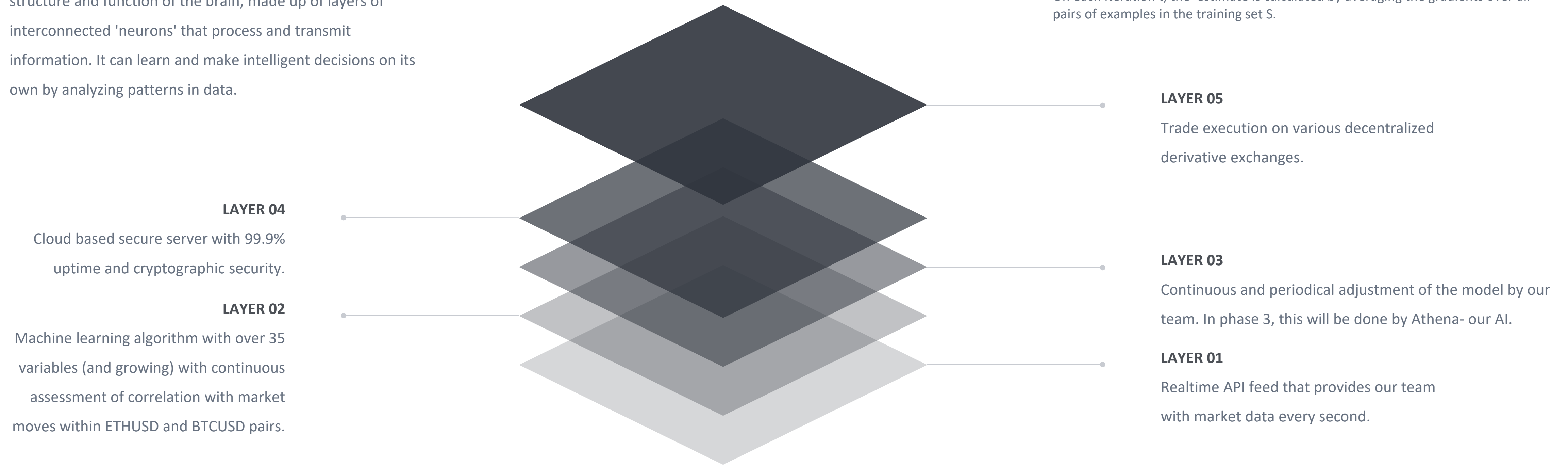
$$\mathbb{E}[g_{SGD}] = \sum_{i=1}^{n} \frac{1}{n} g_{SGD}(x^{(i)})$$

$$= \sum_{i=1}^{n} \frac{1}{n} \nabla_{\theta} \mathcal{L}(x^{(i)}, y^{(i)}, \theta_t) \qquad (6)$$

$$= \frac{1}{n} \sum_{i=1}^{n} \nabla_{\theta} \mathcal{L}(x^{(i)}, y^{(i)}, \theta_t)$$

$$= g_{GD}$$

On each iteration t, the estimate is calculated by averaging the gradients over all pairs of examples in the training set S.

LAYER 05

Trade execution on various decentralized derivative exchanges.

LAYER 04

Cloud based secure server with 99.9% uptime and cryptographic security.

LAYER 03

Continuous and periodical adjustment of the model by our team. In phase 3, this will be done by Athena- our AI.

LAYER 02

Machine learning algorithm with over 35 variables (and growing) with continuous assessment of correlation with market moves within ETHUSD and BTCUSD pairs.

LAYER 01

Realtime API feed that provides our team with market data every second.

A.I. Projects Are In Demand

Sector Market Cap Against Total Crypto Market*   **0.13%**

The AI industry is still developing, and the combination of decentralized technology and AI is not well explored yet. This gives NFA a chance to establish a strong presence in this niche market and compete with industry leaders. Additionally, by being an early entrant in this space, NFA has the potential to set the standards for the industry and shape the direction of future developments. Furthermore, as the industry continues to grow, the potential for growth and success for NFA within this niche is significant.

Numeraire (NMR)

Decentralized machine learning with a focus on predicting stock market prices.

$97,000,000

Fetch.ai (FET)

Deploying autonomous digital workers to perform useful economic work.

$194,000,000

Ocean Protocol (OCEAN)

Decentralized data curator and marketplace. Services focus on signal quality, reputation and ward against Sybil Attacks.

$157,000,000

*All figures as at of January 14th, 2023.

"Unlike Athena (our A.I.), we are self aware."

Our team is of the opinion that the concept of anonymity enabled by blockchain technology allows for a more transparent and authentic approach compared to traditional organizations. With this in mind, we have included a summary of our internal SWOT analysis in this whitepaper.

A SWOT analysis is a tool that helps in identifying the strengths, weaknesses, opportunities, and threats of a team. By conducting a SWOT analysis, we are able to gain a clear understanding of our potential and devise strategies to make the most of it. It allows us to look at our internal strengths and weaknesses, as well as external opportunities and threats, to make informed decisions that will help us achieve our goals.

We believe that by being more open and transparent about our internal SWOT analysis, we are building trust and credibility with our stakeholders. It also helps to communicate our goals and strategies in a clear and concise way.

S

GROUNDBREAKING UTILITY

- High speed and accuracy in executing trades
- Ability to analyze large amounts of data and make decisions quickly
- Capable of identifying profitable trading opportunities in real-time
- Can operate 24/7 and make trades even when the market is closed

W

COMPLEXITY

- High initial investment for development and implementation
- Dependence on technology and internet connectivity
- Risk of errors or bugs in the algorithm
- Limited human oversight

O

OUR COMMUNITY

- Growing demand for automation in trading cryptocurrencies
- Advances in technology can lead to further improvements in the algorithm
- Potential to diversify into new markets and asset classes

T

TECHNOLOGICAL LIMITATION

- Competition from other trading algorithms and traditional traders
- Potential regulatory changes that could impact algorithm trading
- Risk of hacking or cyber attacks on the algorithm
- Dependence on external factors such as market conditions and economic events.
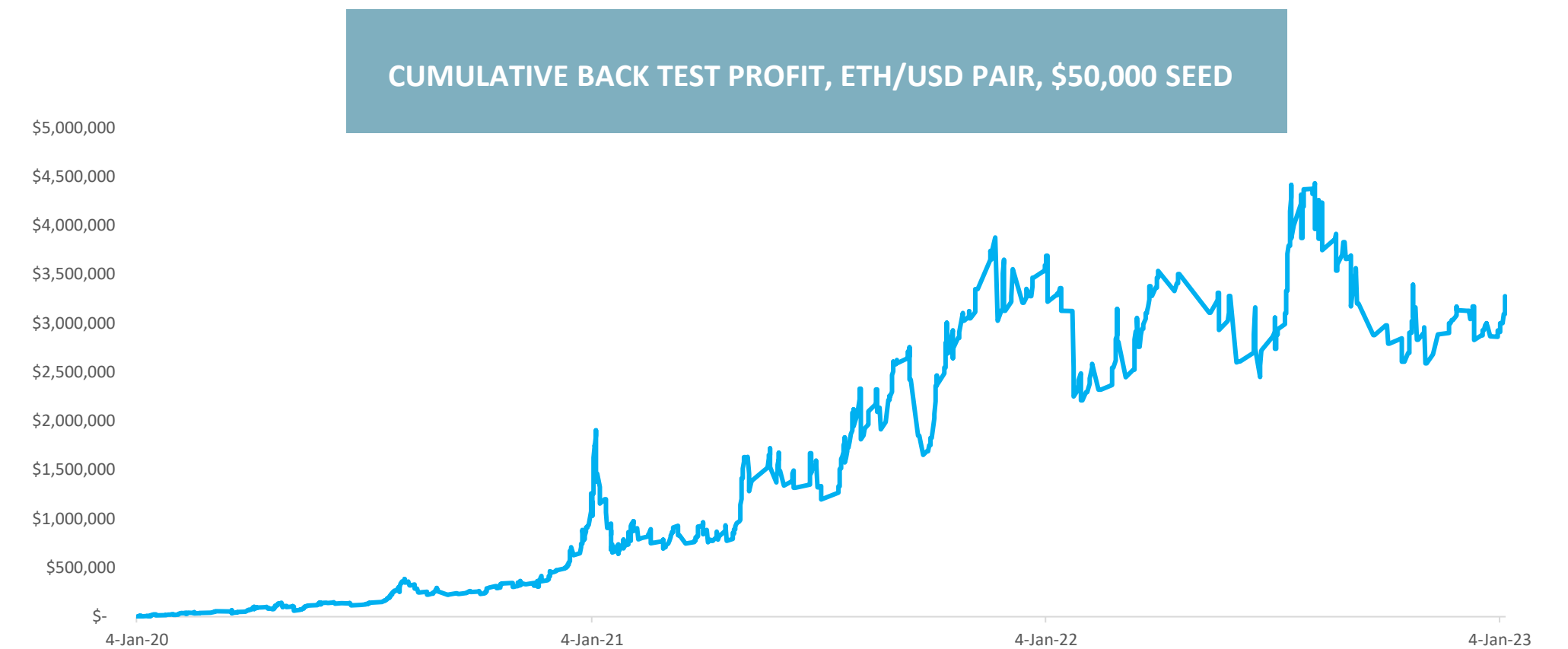
Athena Back Testing (So Far)

nfa whitepaper.
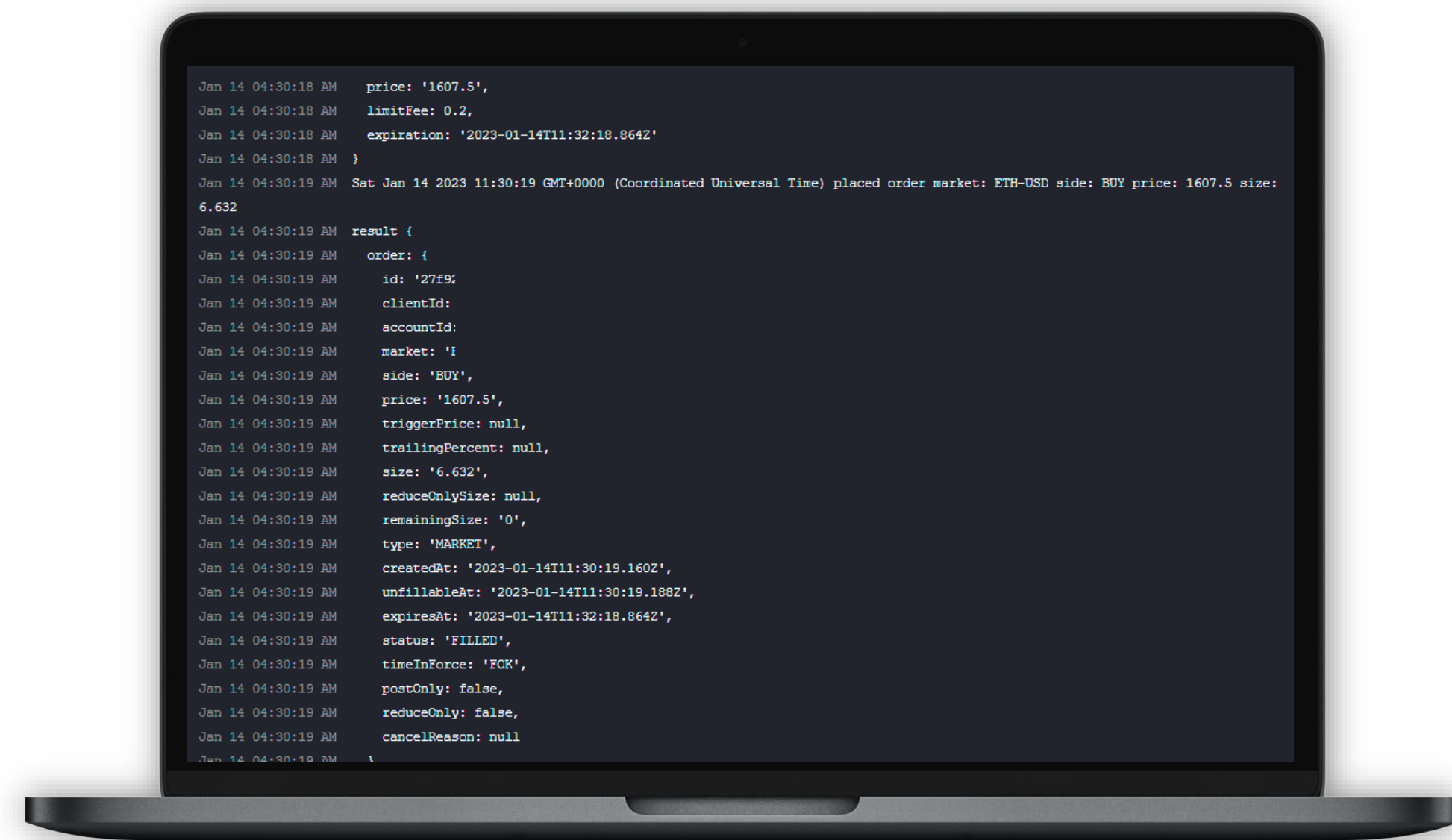
Our team met working for another blockchain project that is quite infamous today.

The idea for this experiment occurred after testing of a rudimentary algorithm back test on this token that yielded an abysmal accuracy and profit score against the dataset. Our team challenged ourselves (for fun) to find a way to increase Athena's accuracy over an updating dataset. We continuously augmented and updated the code until we realized the answer was simple- the model should think as a human trader would- albeit without the burden of emotion.

Live testing earned us a Top 10 finish in the DYDX trading league in our first month, and a top 20 standing in the following month prior to winding down for further testing. Overall, we are quite proud of our back test results outpacing an 8x buy and hold return (we would have gotten 65x).

CUMULATIVE BACK TEST PROFIT, ETH/USD PAIR, $50,000 SEED

748
Trades Closed

78.74%
Trades in Profit

nfa.ai

The NFAi Token

"In the midst of chaos, there is also opportunity."

Sun Tzu

We have designed our token economics to align with market standards, in order to provide the most beneficial environment for our supporters. High taxes can limit holders' ability to move their tokens, which is why we have created token economics that prioritize the long-term interests of holders. By encouraging the usage and circulation of our token, we are able to enhance the value of our token over time. Furthermore, we are continuously monitoring the market conditions and adjust our token economics accordingly to ensure that it remains competitive and attractive for holders and investors. Additionally, our token economics also align with our overall vision and mission, which is to create a sustainable, decentralized ecosystem that benefits all participants.

100,000,000

Circulating Supply

Utilized within dapps added to the ecosystem.
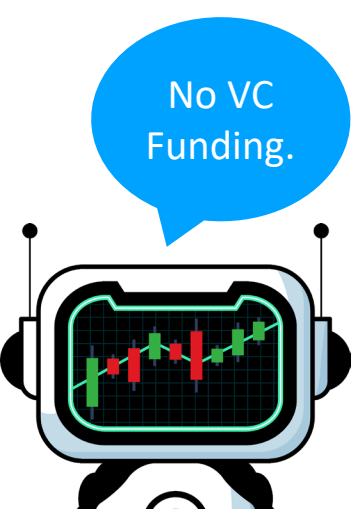
6% / 6%

Token Tax

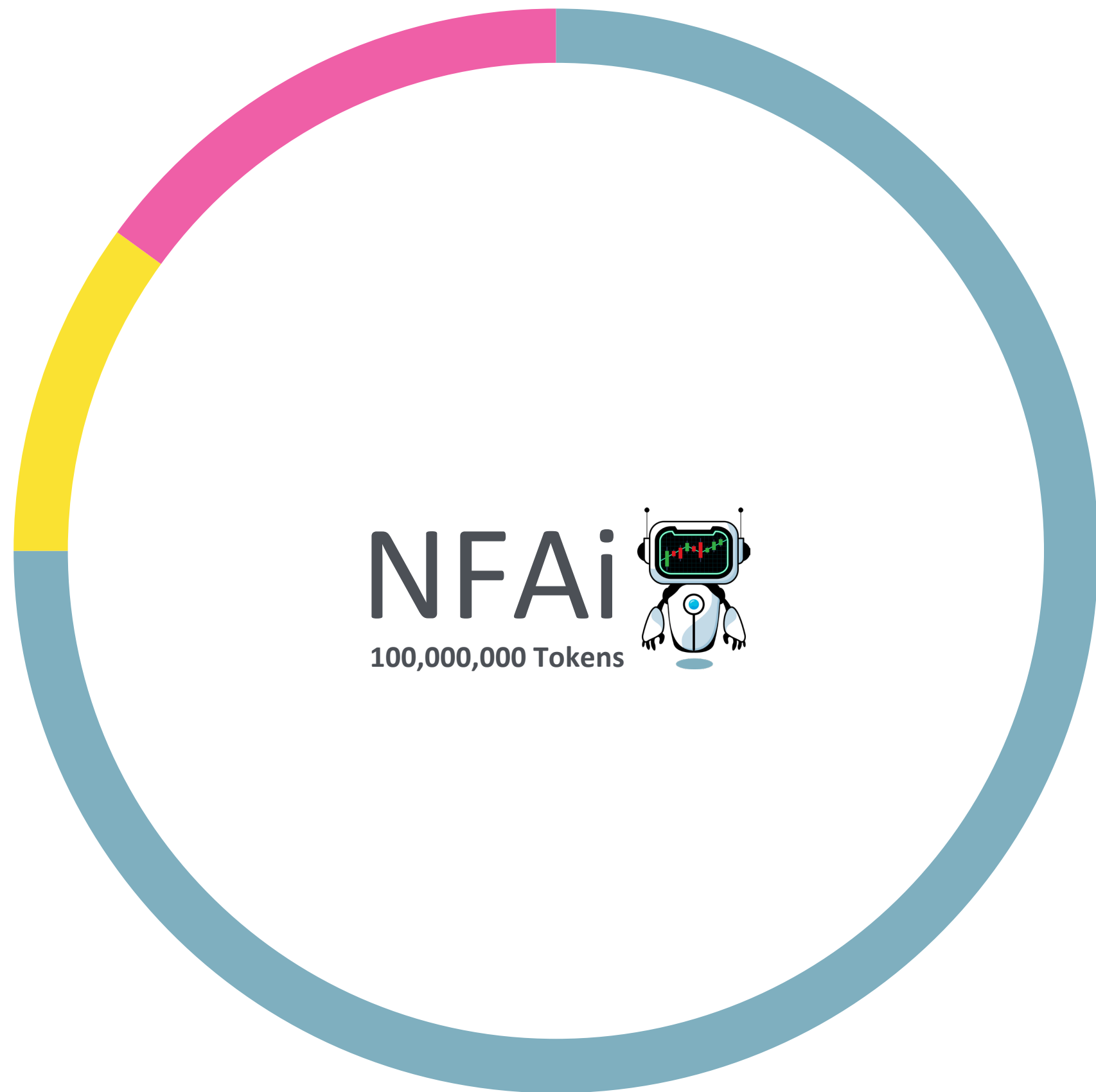Used for algo funding, development, and liquidity.

Ticker: NFAi

0x8eEcaad83a1Ea77bD88A818d4628fAfc4CaD7969

Available on Uniswap.

No VC Funding.

Initial Token Allocation & Team Wallet Addresses

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As our mission is to create a fully decentralized ecosystem, we have avoided conducting any presale for this launch. No further tokens will be minted, allowing for the fairest possible opportunity to add NFAi to your wallet.

75% — Liquidity (Uniswap)

15% — Additional LP/Rewards

10% — Founding Team

Contract: 0x8eecaad83a1ea77bd88a818d4628fafc4cad7969
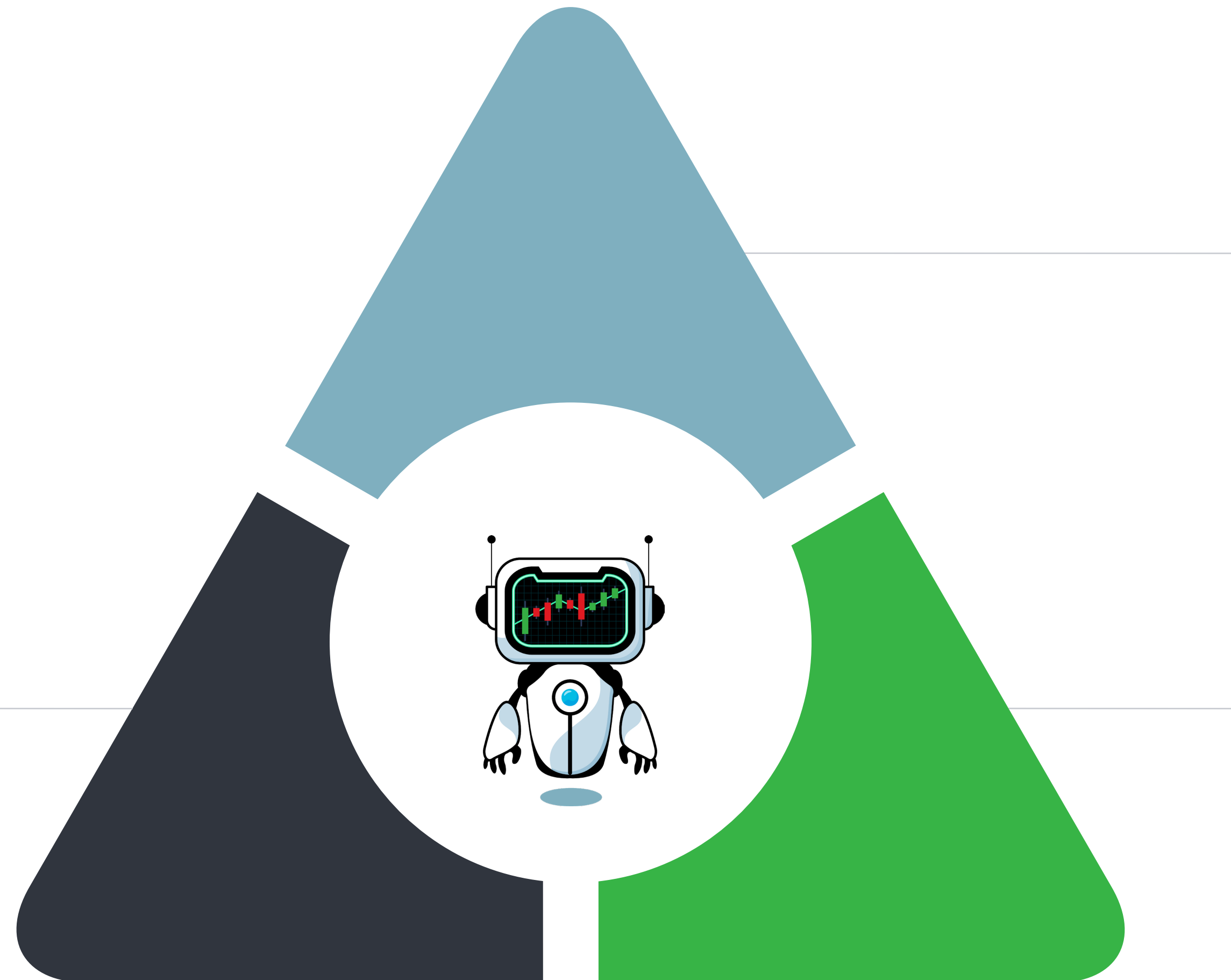
Ecosystem Development: 0x114AF948c4fc58E6AB41E412a8711b54f0639CCa

Rewards/Promotion: 0xCE14646cEBc61f9b9d92B40fA9acec18F5c06661

Athena: 0x06F216a2A81E136Ae7cD0f365599320EfA001DF5

NFAi

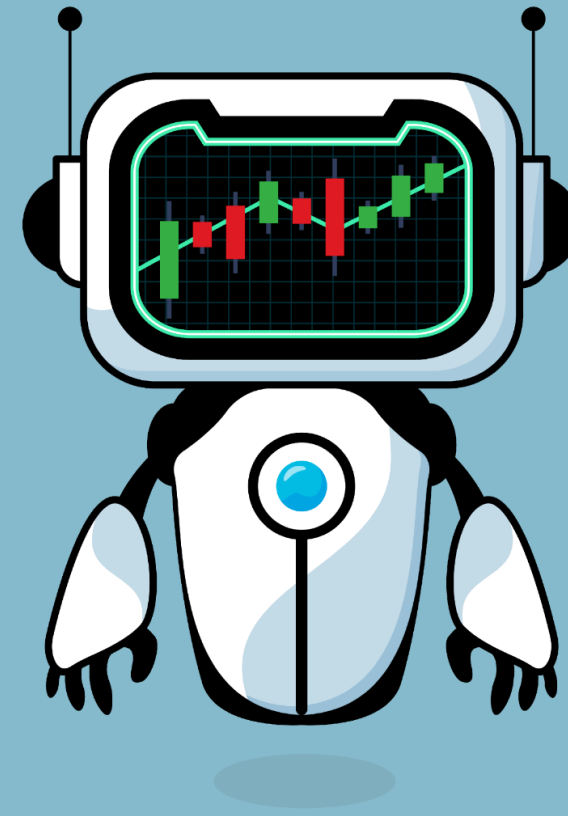**100,000,000 Tokens**

nfa whitepaper.

Why Hold NFAi?

TRUE UTILITY

We plan to provide profit sharing for those that stake with within our upcoming profit sharing dApp. This will be a unique framework with the ability to earn as Athena learns and increases in accuracy.

GOVERNANCE

At the end of this experiment, we aim to hand this AI over to the community that supported us. This will allow us to focus on growing the ecosystem as we find new ways to reward our community through the deployment of creative code.

SUPERIOR TOKENOMIC FEEDBACK LOOP

The bot will be deployed in phase one with a focus on funding development, liquidity, and reducing supply. In the long term we aim for scarcity of the token and reduced volatility via constantly growing liquidity. Long term decentralized application development being created will serve as a catalyst to magnify planned burns.

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