

# Whitepaper

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# HECTOR

## NETWORK

V 2.0 May 2022

V 2.1 July 2022



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July 2022

**Hector Network is a decentralised protocol based on the HEC token, complimented by the TOR stablecoin. Hector Network is developing an ecosystem of various innovative sub-brands and applications that will set it apart from its competitors.**

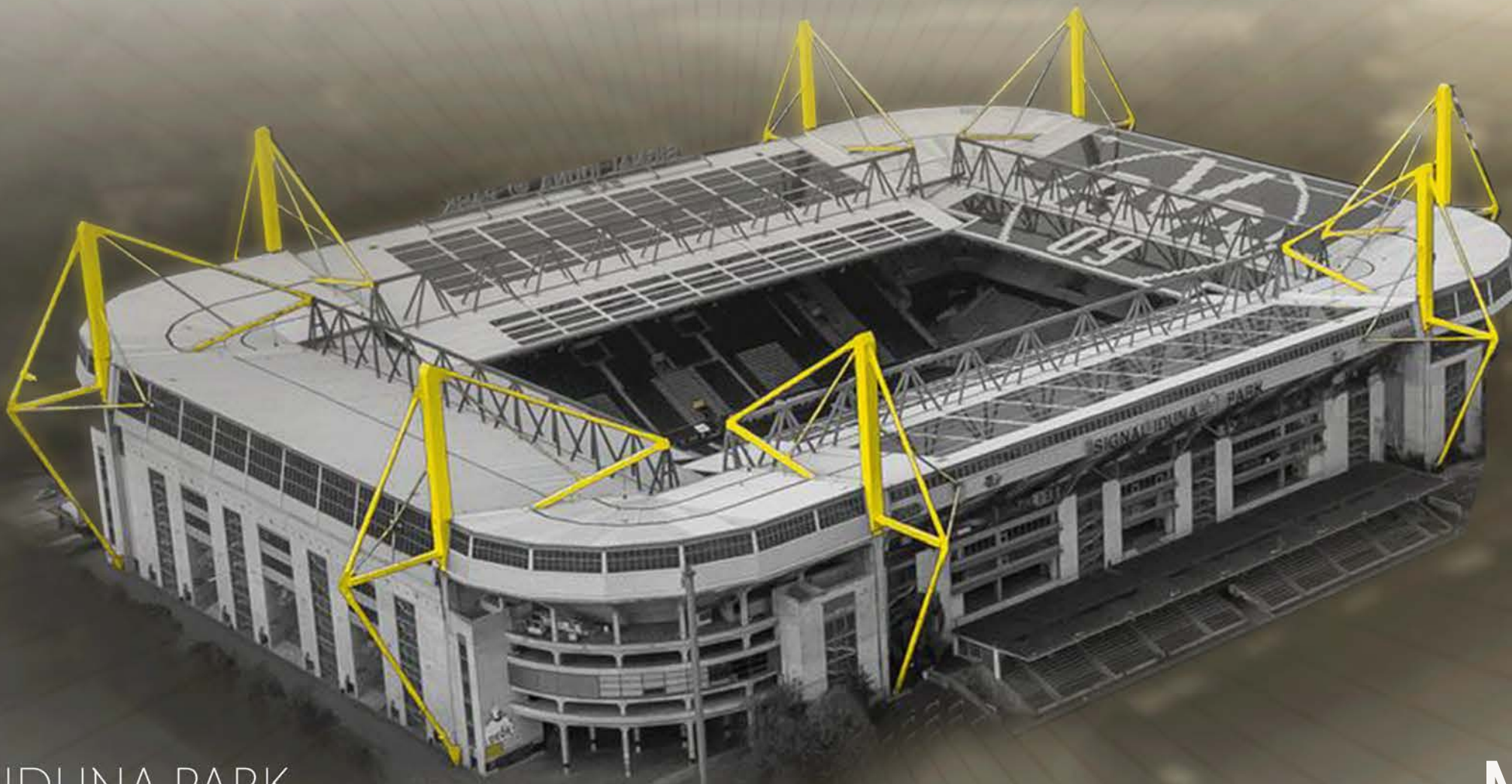
**Hand in hand with our community, Hector Network is continuously seeking to develop new opportunities.**



HECTOR  
NETWORK



**Champion**  
Partner



SIGNAL IDUNA PARK

## Meet Our Champion Partners

Hector Network is extraordinarily proud to be a Champion Partner of **Borussia Dortmund**, an internationally beloved football team. Representing a significant milestone for our company, partnering with BVB provides massive mainstream exposure through the team's live televised matches, enormous social media presence and over 270 million worldwide fans. The team has multiple German championships, is a German cup winner, a Champions League winner and plays home games in one of the most recognizable stadiums in the sport, boasting the highest attendance in Europe. A partnership of this magnitude opens many further business opportunities for Hector Network, and our internal team is already utilizing this chance to its fullest potential.





# An Ecosystem Built for Decentralised Utility

The future is blockchain. This technology is superior to traditional web in every way, shape and form. The only question is which companies are able to build the infrastructure to support the mass adoption that paves the way?

Hector Network is focused on building an ecosystem that fully utilises the incredible opportunities afforded by the blockchain. We are dedicated to lowering the barrier to entry for new users by providing education, comprehensive on boarding and developing hybrid systems for portions of the ecosystems that bypass traditional wallets. Pioneering user experience, community building and utility within the Defi space is our key goal throughout our expansion.



Hector Network made waves when it launched in late 2021, sky rocketing to the one of the largest development budgets on the Fantom Network. Since then our company has dedicated itself to pivoting throughout downward market conditions, ensuring that we manage to grow and thrive while our contemporaries falter around us.



The dedicated team behind Hector Network continue to twine together the traditional world and that of Web 3 by cultivating massive partnership deals, including our partnership with a legendary football club. We believe that united what we can achieve is limitless. Continuing to seek out key alliances is fundamental to our continued advancement.

As we move forward Hector Network is continuously looking to the future. As you will see by reading this Whitepaper, we believe that this road is not a one way street. Rather, "*Tomorrow*" is achieved by many projects, many directions, many teams working in concert to create what users have yet to imagine.

# A Seed Planted: Our Home Chain and Beyond

Fantom is a superior Layer-1 Blockchain, especially for DeFi. We expect Fantom to gain more traction as defi grows, and expand its community and influence. Fantom is a fast, scalable blockchain network constantly upgrading: transactions are generally confirmed in 1–2 seconds, far faster than other blockchain solutions. Always with our eye to the future, the Fantom chain is extraordinarily eco-friendly in terms of energy use. It's estimated that in a single year the entire Fantom Network operates on just 8,200 kWh. This consumption rate is approximately 80% of that used annually by a single American household, 12 million times less than the BTC network in a year, and around 32 Million times less than the global banking industry in the same time. Additionally, transactions on the Fantom blockchain are incredibly inexpensive, usually costing a fraction of a cent.

The Fantom Network is extraordinarily developer-friendly and fully compatible with the Ethereum Virtual Machine, meaning Fantom supports all smart contract languages compatible with the Ethereum blockchain (Solidity and Vyper).

For these reasons, Hector Network chose Fantom as our native network, from which to launch our crosschain expansion. This expansion is at the very heart of the Hector Network belief that lowering the barrier to entry is the key to the future of Blockchain technologies. For a project to be available across the map means that the most users have access, and new users are able to join, no matter their point of origin.

Hector Network was thrilled to take its first steps onto another chain, the Binance Smart Chain, in June of 2022. This was simultaneously an enormous milestone for our protocol and also step one in what is going to be an on-going journey across the multichain landscape.



**"Opera is a secure and fast environment to build decentralised applications. It is fully permissionless and open-source. Powered by Fantom's aBFT consensus algorithm, it leverages its speed and fast finality, and is ready for real-world applications with no risks of congestion or long confirmation times.**

The Fantom Opera mainnet is compatible with the Ethereum Virtual Machine (EVM) and provides full smart contracts support through Solidity.

We designed Opera to overcome the limitations of older generations of blockchains, keeping the compatibility with Ethereum for seamless dApp porting.

Lachesis is Fantom's aBFT consensus algorithm. Simply put, a consensus mechanism is the engine that powers the blockchain.

Compared to Classical and Nakamoto consensus, Lachesis is a faster, more scalable, and more secure choice.

Developers can use Lachesis to build peer-to-peer applications without having to create their own networking layer."

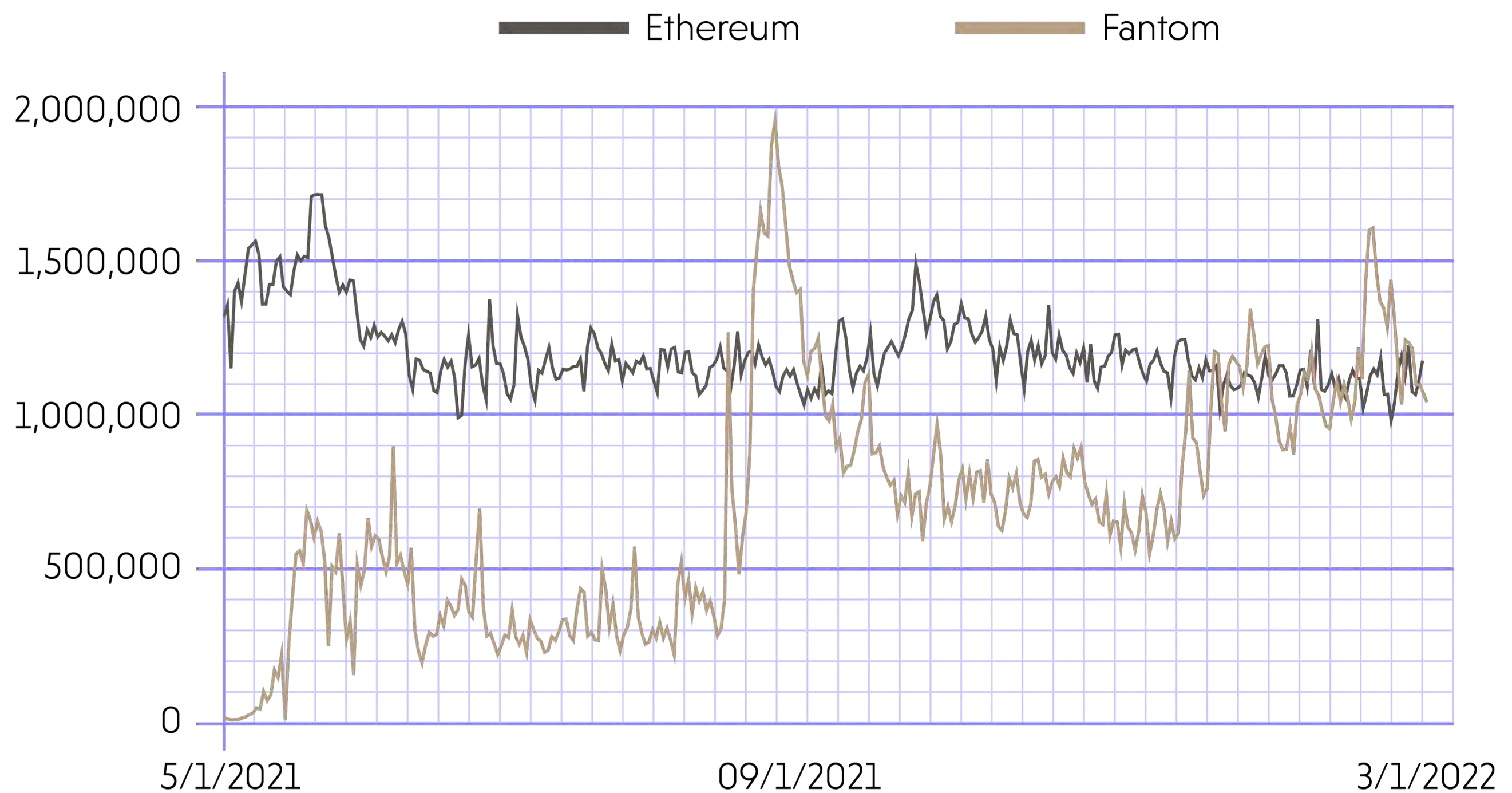
## Lachesis Is:

- **Asynchronous:**  
Participants have the freedom to process commands at different times.
- **Leaderless:**  
No participant plays a "special" role.
- **Byzantine Fault-Tolerant:**  
Supports one-third of faulty nodes, including malicious behaviour.
- **Final:** Lachesis's output can be used immediately. There is no need to wait for block confirmations; transactions are confirmed in 1-2 seconds.



# The Growth of the Fantom Opera Chain

The Fantom Opera Chain is rapidly growing to become one of the most used blockchains by transaction count. The Fantom Opera Chain has handled more daily transactions than Ethereum on occasion.



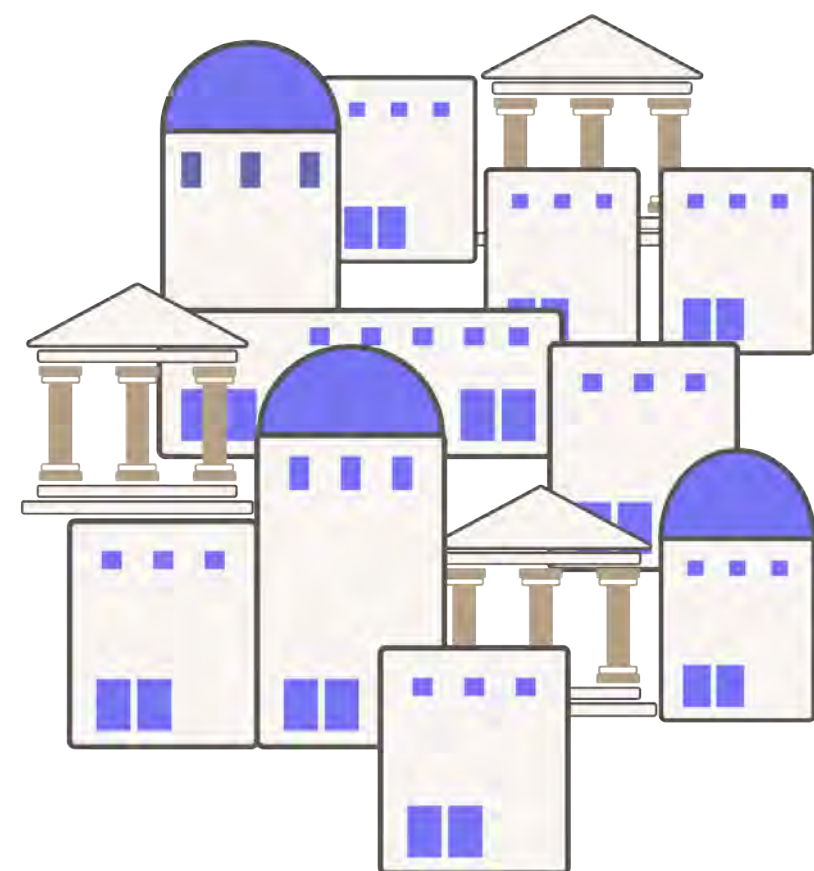
The Fantom Opera Chain is also one of the fastest growing chains, gaining 10,000-15,000 new addresses per day.

## 2020



500,000 addresses

## 2022



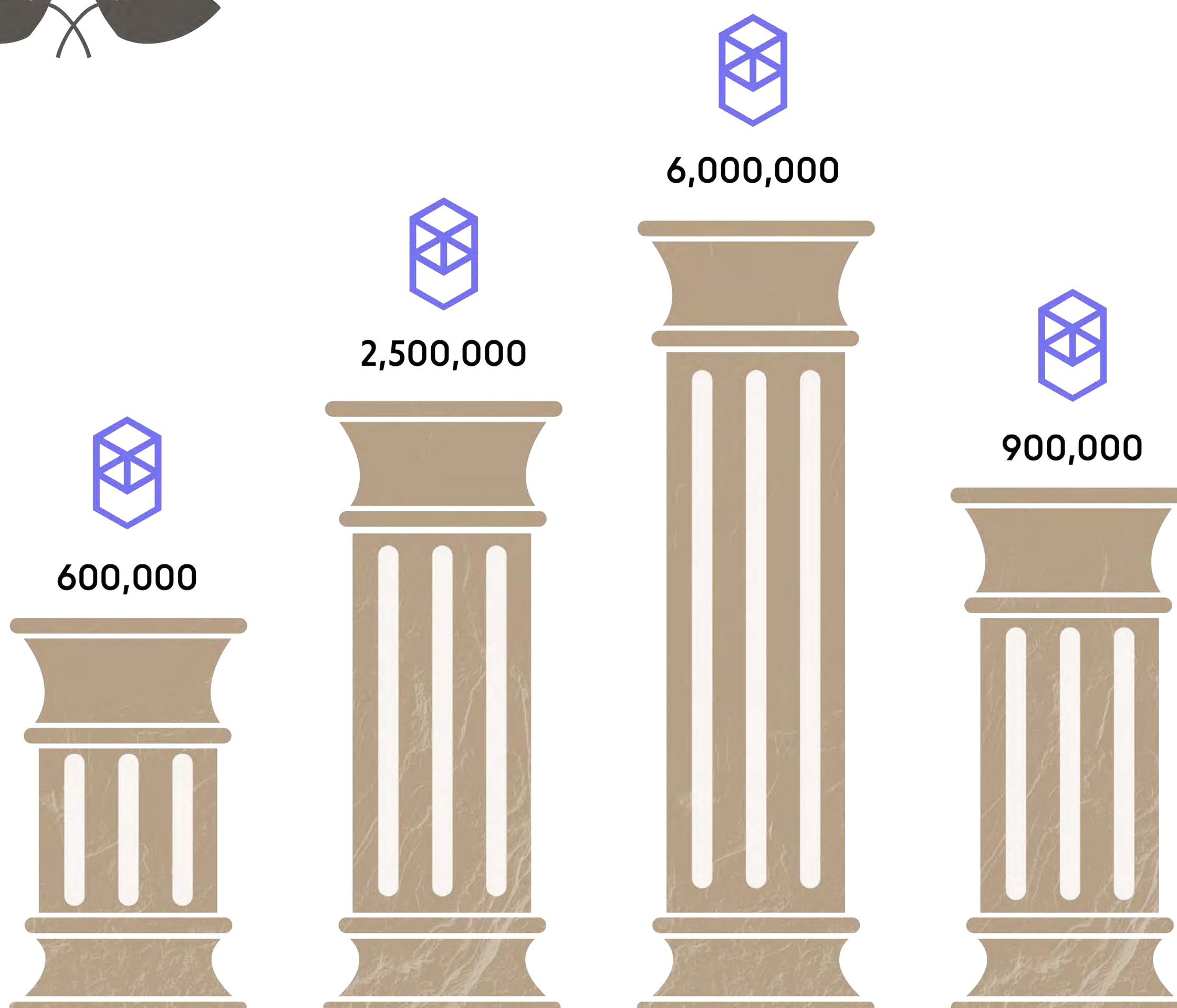
2,500,000 addresses



# Hector Network was a Recipient of the Fantom Foundation Incentives Grant



Starting in the Fall of 2021, the Fantom Foundation supported the growth of the Fantom Chain through their Incentive Grants Program. The grant disbursement depended on the protocol's time-weighted average TVL (total value locked). The higher the TVL of the project, the larger the reward is received.



Hector Network qualified for the grant in early January of 2022, and while participating, we were Tier 3. Hector Network received 208,333 FTM monthly (or approximately 624,999 FTM over three months). Our team used these funds to support development costs and supplement TOR rewards. At the end of March 2022, the Fantom Foundation restructured how it offers grants, and the Incentive Grants Program ended. Hector Network was thrilled to participate in the program while it operated and is looking forward to our continued mutually beneficial relationship with the Fantom Foundation.

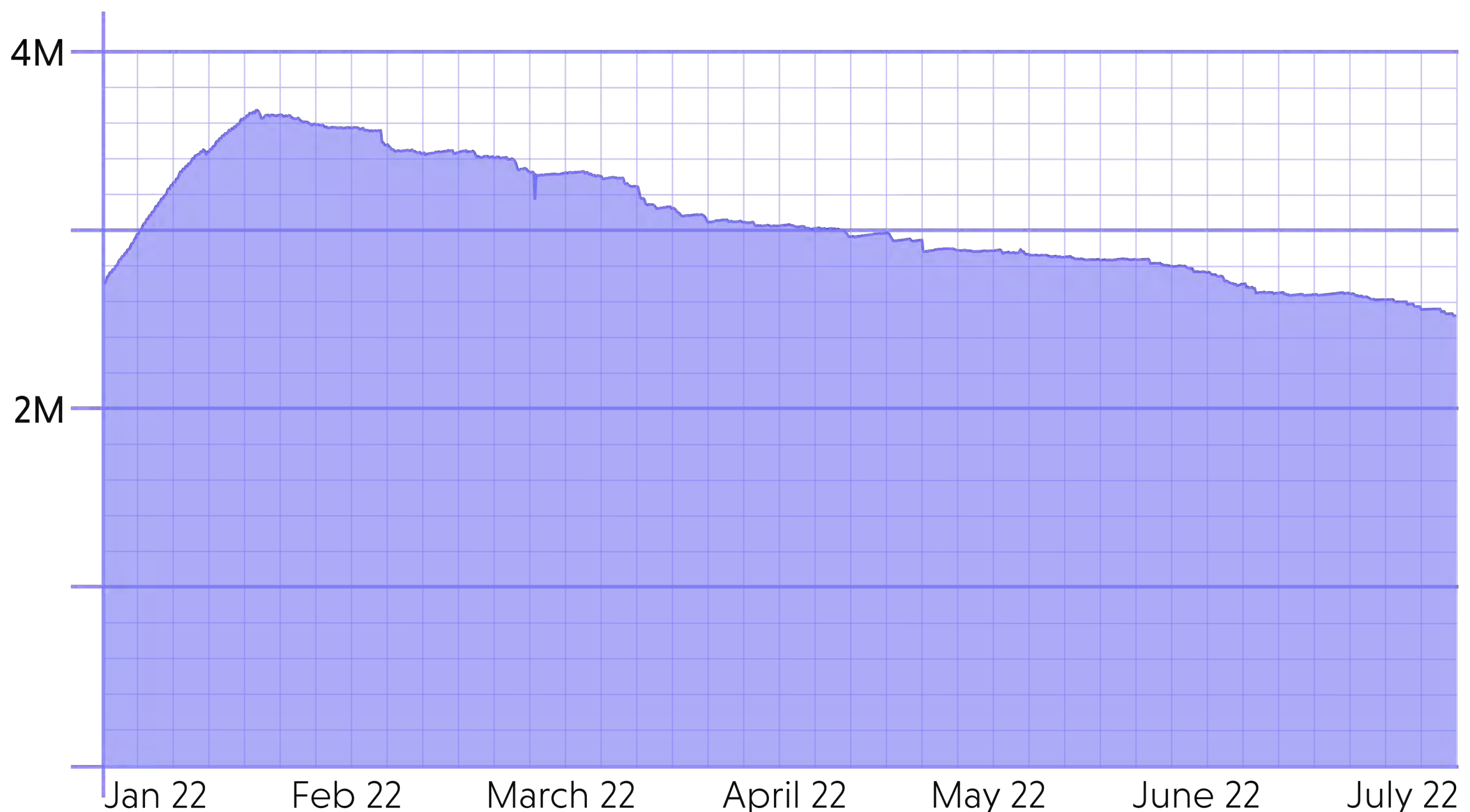


# Hector Network Metrics

Hector Network developed the world's first non-dilutive rebase token, ensuring that the utility and ability to participate in Hector Network each token-holder derives from their tokens is not diluted and possibly even increases over time. Combating token dilution should be at the forefront of every serious project's agenda. It is a cornerstone of a healthy protocol and provides longevity to users. Our token supply peaked at 3,530,424. Within two months of setting the goal of becoming dilution-free, we achieved a 14% reduction in the total supply of HEC tokens. We've removed over one million tokens from our supply three months later, a 28.5% reduction overall.

## HEC Circulating Supply

**2,422,801 HEC as of July 21, 2022**

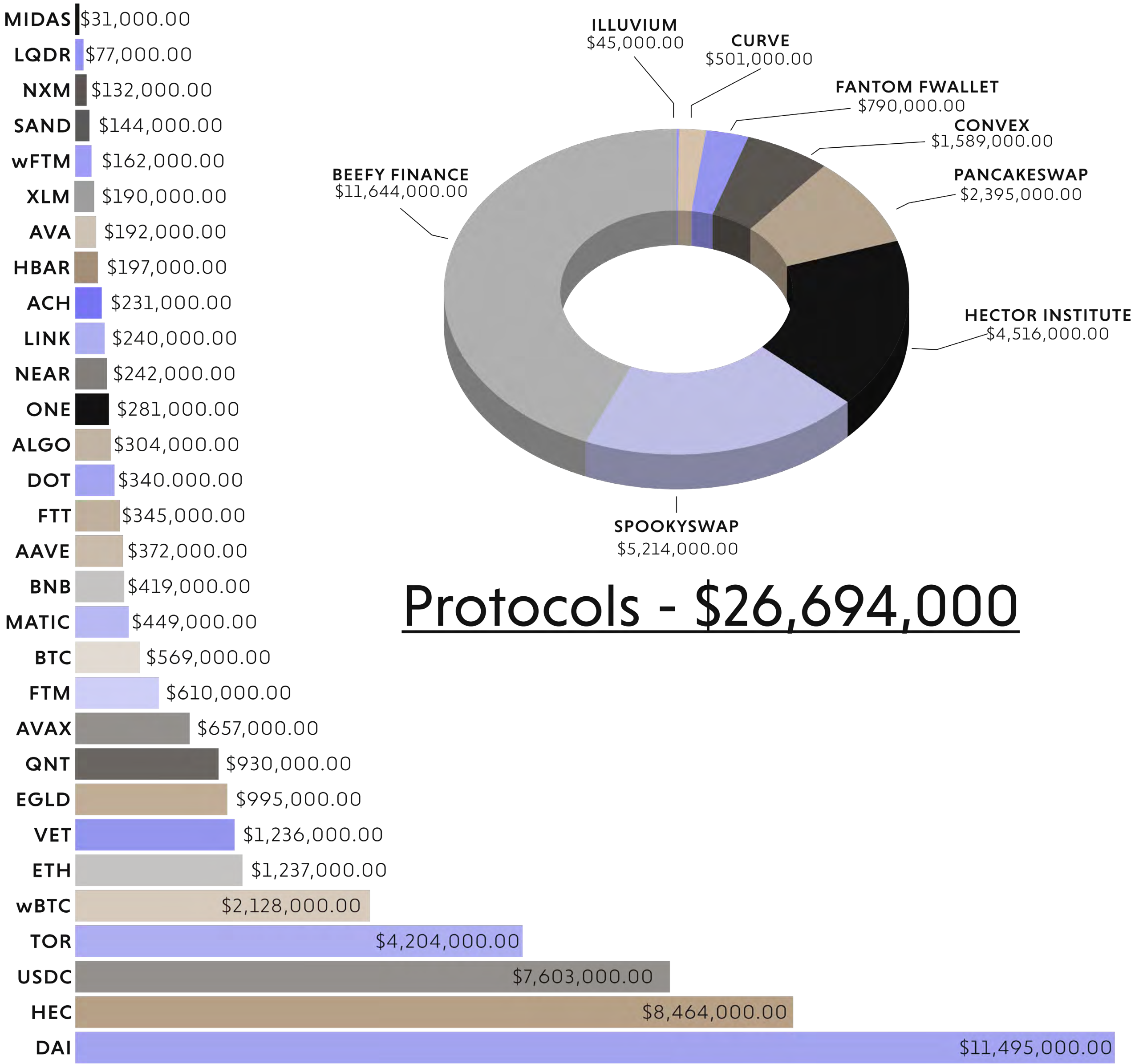


In the final quarter of 2021, Hector Network built a treasury of more than \$100,000,000 in stablecoins by offering bonding of the HEC token at a discount to market prices. We now have one of the most significant development funds of any project on the Fantom Opera Chain. We are using those funds to develop a suite of products and services to aid the expansion of the Hector Ecosystem. We utilise funds not directly allocated to project development by backing projects our team believes can provide long-term value, thus continuing to grow our development budget.



However, not all treasury value is stored as stablecoins ("Risk-Free Value/RFV"). Hector Network also diversifies into non-stablecoin options when do-diligence offers evidence of an opportunity. Here is a comprehensive look at how the treasury is invested:

# Allocation of Treasury Assets \$71,170,000 as of July 2022



Protocols - \$26,694,000

Investments - \$44,476,000



# HEC Tokenomics

On March 29th, 2022, the Hector Network Community voted to begin an emission plan to create a fixed supply cap for the HEC token. The development team has been working tirelessly since then to hammer out all the wrinkles and ensure that this plan will enable Hector Network to step into the future inflation free. The emission plan was audited by Certik in late August of 2022 and fully replaced the initial Rebase program on October 12th, 2022

The progression of the emission plan means we can mitigate how many tokens are minted and ensure a supply cap for HEC while still making predictable changes to the APR over time. Additionally, the plan allows us to invite users to lock their tokens for a boosted reward, reducing selling pressure.

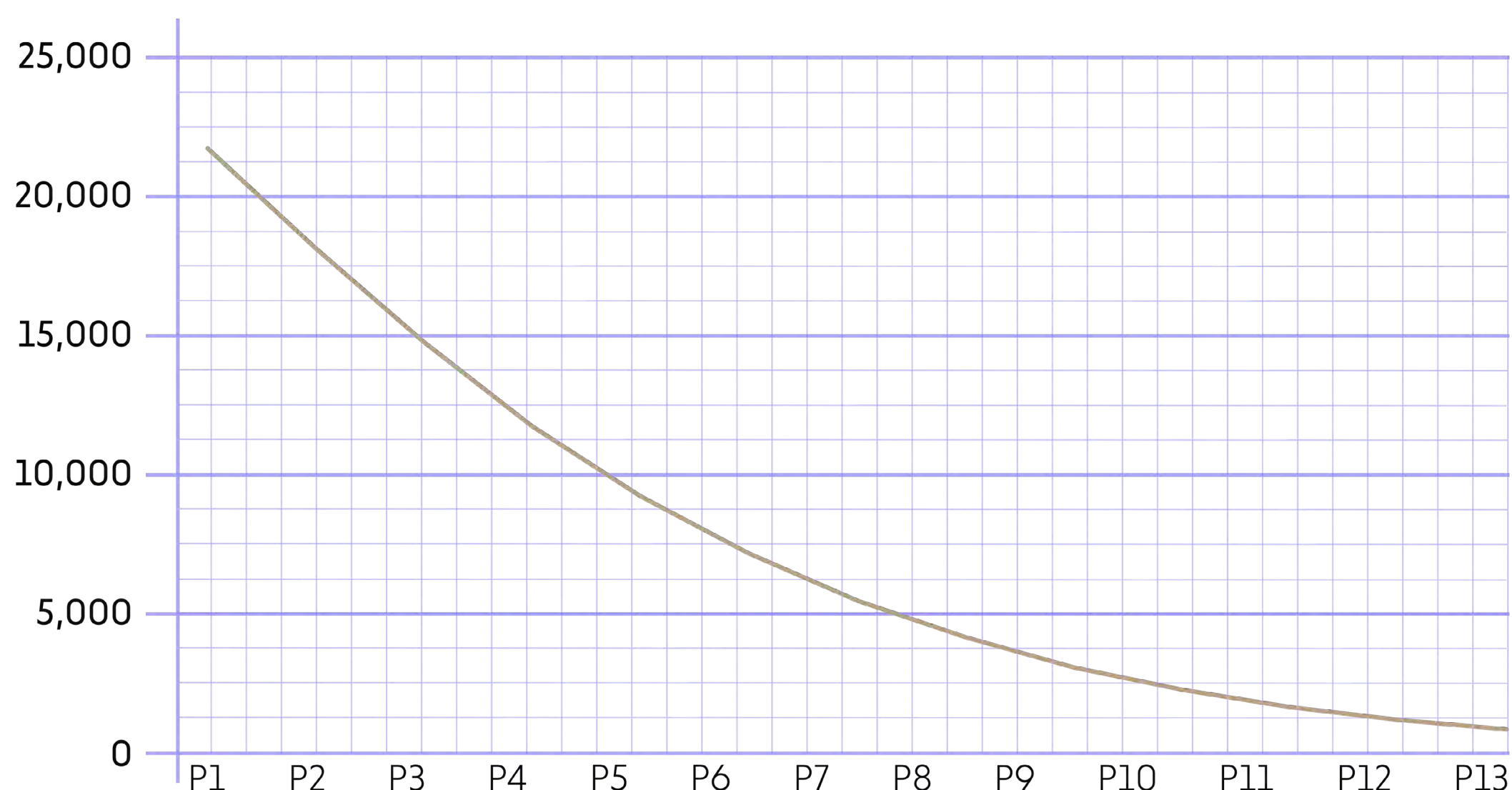
## The Emission Plan

**Emission Plan Length: 104 weeks (2 years)**

**Emission Periods: 13 periods of 8 weeks**

**Total Tokens To Be Emitted: 850,000 HEC**

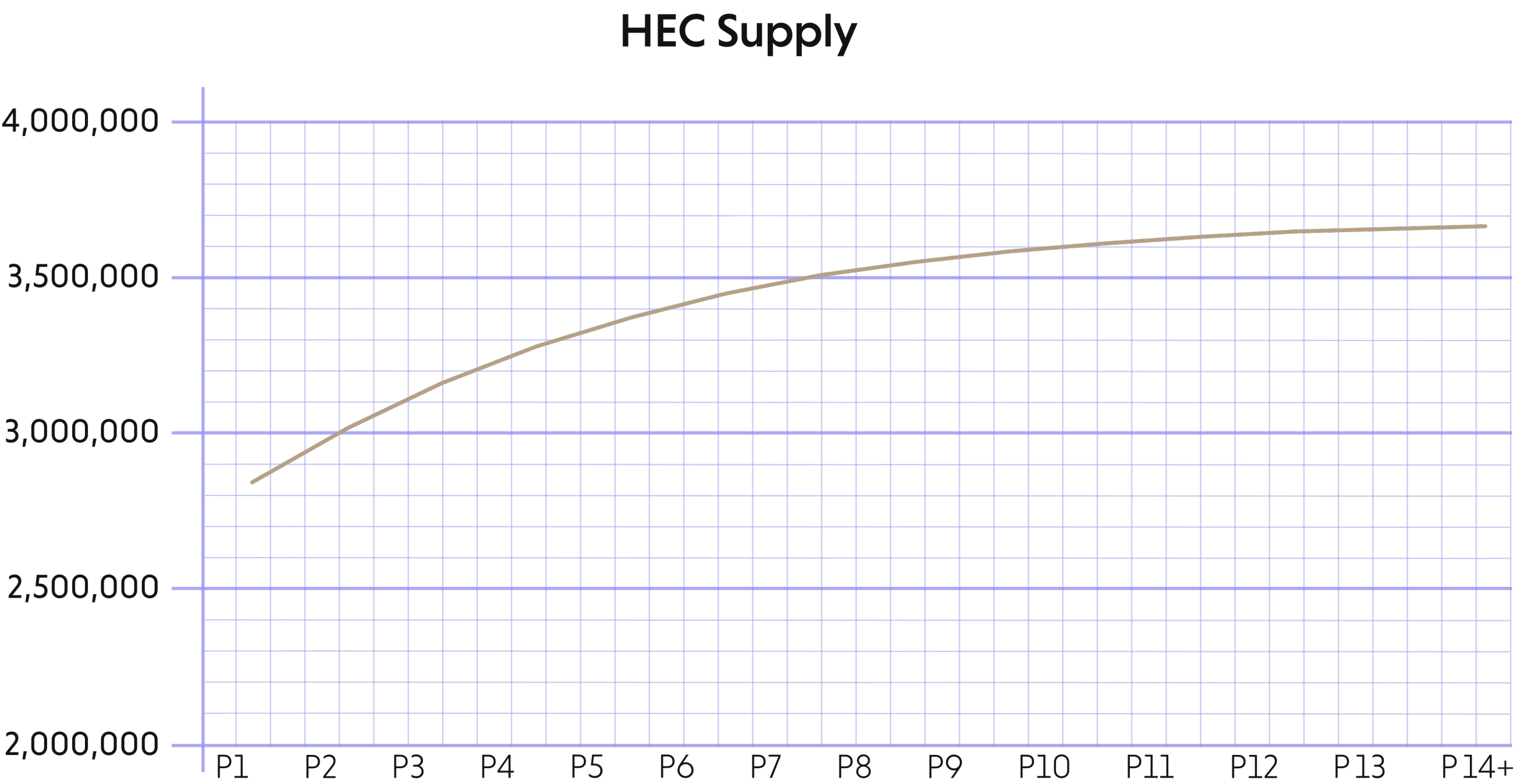
**Tokens Emitted**





The emission plan will last 104 weeks, split into 13 periods of 8 weeks. At each period, rewards will be reduced to 75% of the previous period.

To observe the effect of the emission plan on the HEC token supply, we will assume a starting supply of 2 850 000 tokens and no buybacks/burns during the plan timeline



The growth of the HEC supply will gradually slow down over two years, after which the supply growth will stop. Remember that this graph assumes no buybacks or burns occur during the emission plan. Using this model we can illustrate how the model can prevent token-dilution even without burns and buybacks. However, when combined with buy-backs and burns, it won't only prevent token dilution but go even further and also ensure that the utility each token-holder receives increases over time.

Continuously cognisant of the future, this plan will automatically designate a portion of each emission to the Hector Network treasury. This ensures the protocol will have the funds to set up the necessary liquidity for future expansion, and the ability to offer bonding in the future, markets permitting.



# The Distribution Plan

Every emission plan needs a distribution plan. The distribution plan controls how the emitted tokens are spread out to Stakers. Our emission plan will use (a) time-locked farm(s) where users can lock their HEC for up to three years. Longer time locks will provide a considerable boost to rewards.

i. Users can choose between 7 days up to 1095 days with a linearly increased APR for longer locks.

ii. After a user's timelock is up the deposit remains staked, earning rewards with the same APR boost as when the tokens were locked, however the user can now unstake at any time.

iii. Each time a user makes a deposit an ERC-720 token is minted, representing that deposit and its unique APR boost modifier. The NFT is only dissolved after the timelock has expired and the HEC is unstaked.

Each week, HEC tokens are emitted according to the emission plan. The tokens are then split into the farm(s). If multiple farms are operational at the same time, the rewards are distributed between the farms. In this situation each time-locked farm has its associated base reward rate, farms that receive a higher portion of votes will have increased rewards. This system allows for community direction and ensures that longer locks remain an attractive option.

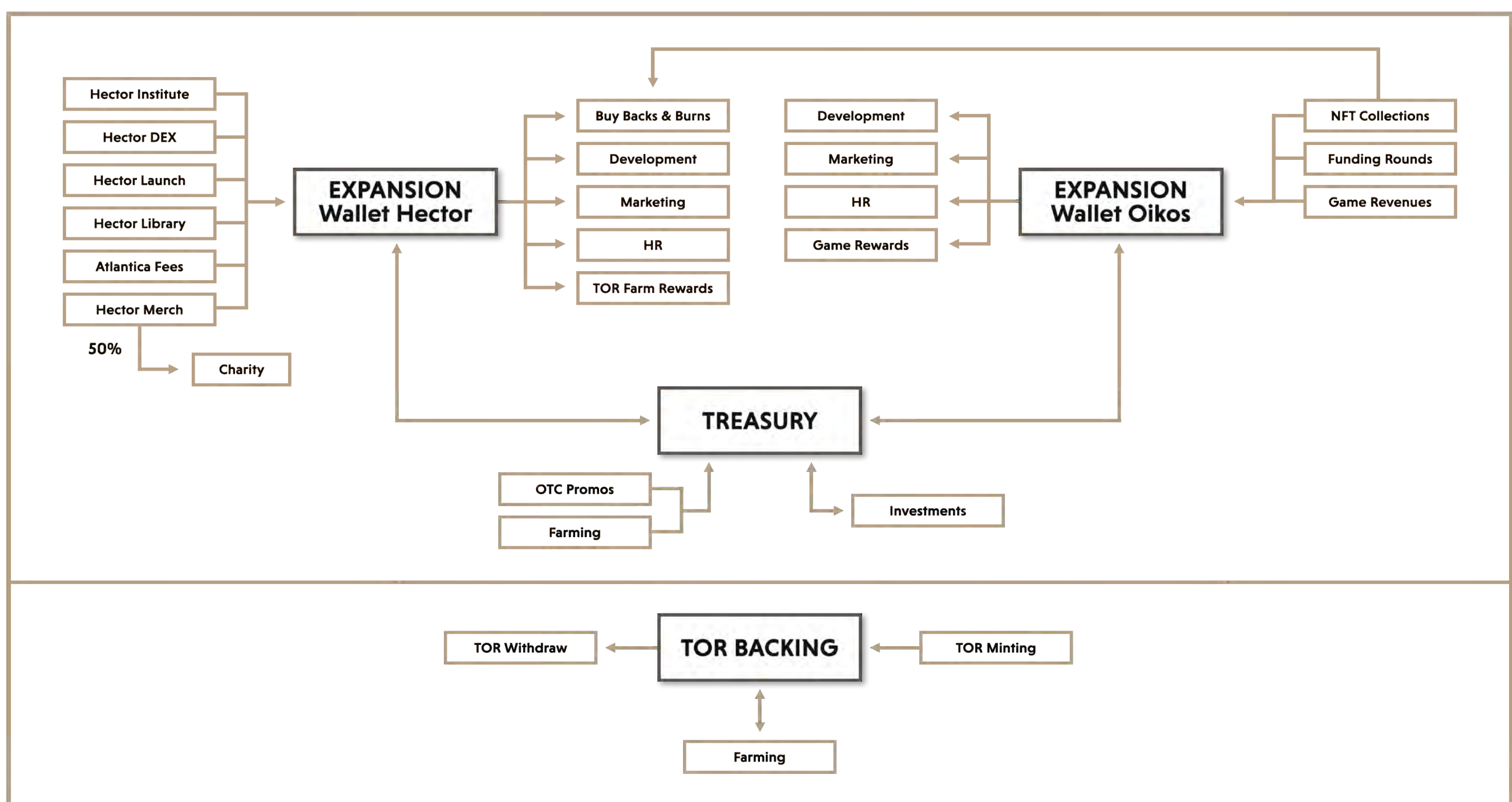
A two-year cycle provides the team ample opportunity to continue developing the Hector Ecosystem. Over the two years, the Ecosystem will be instrumental in generating revenue, reflected as an increase in overall Company value, thus a higher HEC value, while the emission plan simultaneously negates the inflation problem. In this timeline, we can create some of the most successful sub-projects in the Fantom space and beyond.

Buybacks and burns will continue during the emission period as needed. As the HEC token inflation reduces, the impact of each burn will increase.



# Project Revenues and the Flow of Capital

Our annual development budget is moved from the treasury to the expansion wallet in instalments. These funds support the Marketing, Development, Salary and other costs associated with the running of the project.



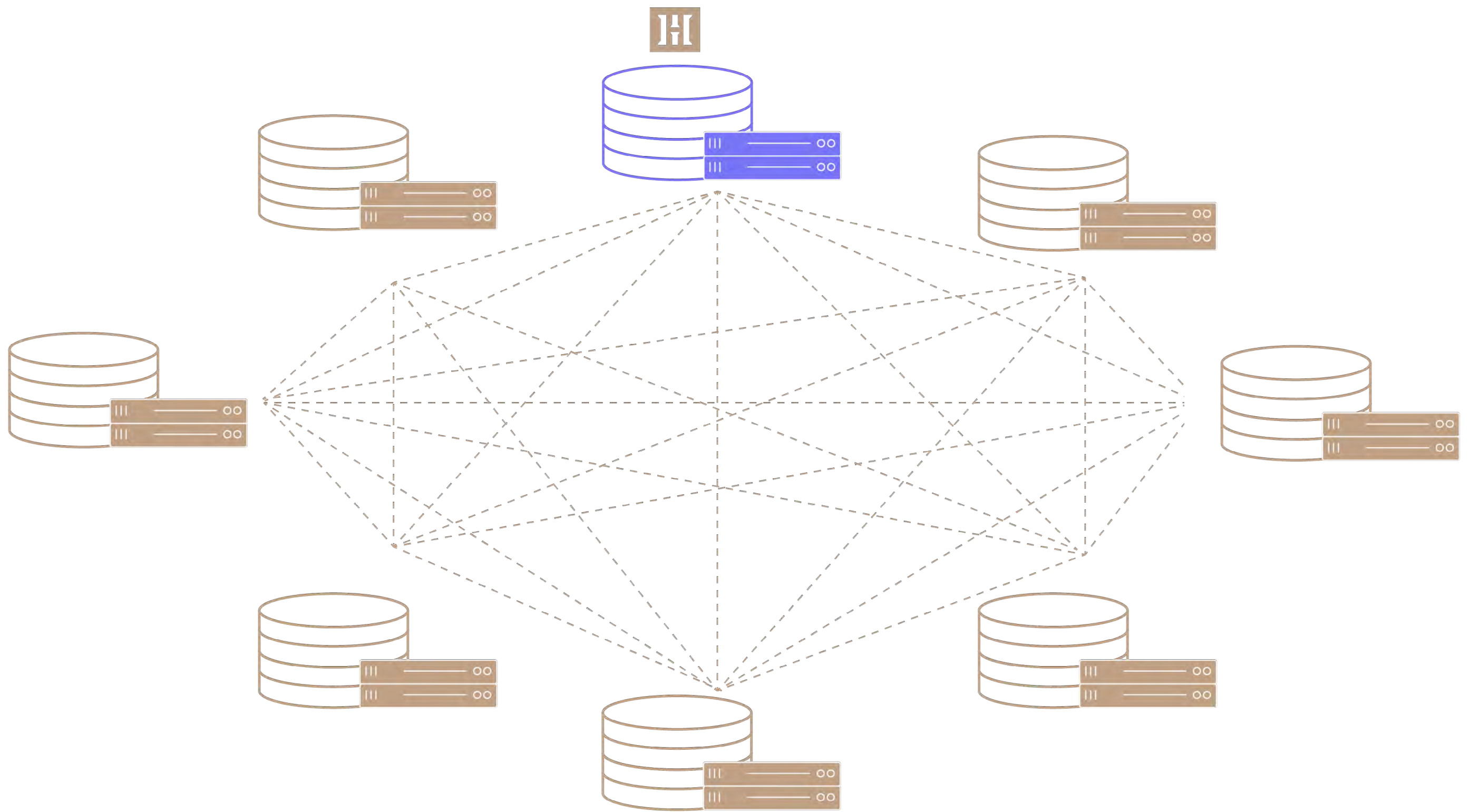
We strive to diversify our treasury holdings and prefer to put them in yield-barring positions to continue company growth. The Curve gauges we use provide measurable growth for the treasury, which will help sustain the project's development into the future.





## Our Validator

Validators are the computers which help support the chain. When you submit a transaction, you send it to a validator which performs the necessary hashing algorithms and then appends the result to the blockchain. The "gas" fee you pay is the reward the validator earns for its work. The Fantom Opera Chain uses a leaderless Proof-Of-Stake aBFT (asynchronous Byzantine Fault Tolerance) consensus mechanism.



We operate a Validator Node on the Fantom Opera Chain. This Validator helps facilitate transactions, secure the network, and bring revenue into the project through transaction fees.

### Our Validator # 97 "Hector Network"

<https://ftmscan.com/address/0xbe4b73f5caff476ed0cdb4c043236fce81f4dc6c>

FTM token holders can stake their tokens with our validator to earn rewards which has two benefits:

- Users get APR rewards
- The validator hold a more considerable stake of tokens, increasing the gas rewards they receive and bringing more revenue into Hector Network



## Our Crosschain Expansion with Hector DEX

We firmly believe that chain-agnosticism will become a key feature of successful cryptocurrency projects in the coming years. As such, Hector Network developed a DEX in partnership with Rubic Exchange, allowing users to swap any token, on any chain, for any other token, on any other chain in a single click.

Our broader aim for Hector DEX is to create the backbone for our crosschain expansion. All our offerings will be available on all chains as if they were being used natively on the Fantom Opera Chain, allowing us access to much more liquidity and raising the ceiling to our expansion potential.



## Hector Institute



Hector Institute is our decentralised leveraging platform built on the Fantom Opera Chain in partnership with Ola Finance. A user choosing to lend can achieve rewards while mitigating impermanent loss by lending out stablecoins like USDC. APR for stables might be more modest than some alternatives; however, it carries a comparatively low risk of volatility.

Users looking to borrow must post collateral to cover their position. It is recommended that each user carefully monitor their liquidation point and not post collateral they are unprepared to lose. Liquidation due to sudden price volatility is not reversible, and a user can permanently lose tokens. Users must decide if the risks associated with decentralised leveraging are within their comfort zone. Tremendous opportunities exist for users participating in decentralized lending and borrowing; however, substantial risks are involved, and the risk-to-reward ratio must be carefully considered.

Hector Institute supports the ongoing growth of the Hector Ecosystem. The development of Hector Institute will continue over time, ultimately expanding to offer a wider variety of tokens, loan types, and other offerings.



# The TOR Stablecoin



Tyche  
Owned  
Reserve

The TOR stablecoin is the stable counterpart to the HEC utility token. Stablecoin refers to coins which maintain a value peg and are therefore not subject to the extreme volatility that can plague other cryptocurrencies. Cryptocurrency-backed stablecoins are issued with cryptocurrencies as collateral, which is conceptually similar to fiat-backed stablecoins.

However, there is a significant difference between the two designs. While fiat collateralization typically happens off the blockchain, when cryptocurrency or crypto assets are used to back a stablecoin is done on the blockchain. This method is more decentralised and can use smart contracts to maintain the supply and price peg. TOR is an ERC20 token which can be minted only under specific circumstances. If there is less than 45% of TOR in the Liquidity Pools, Minting is available. If the Pool consists of more than 65% TOR, redeeming becomes available. Carefully balancing the Pools is a cornerstone to fighting de-pegging and over saturating the market.

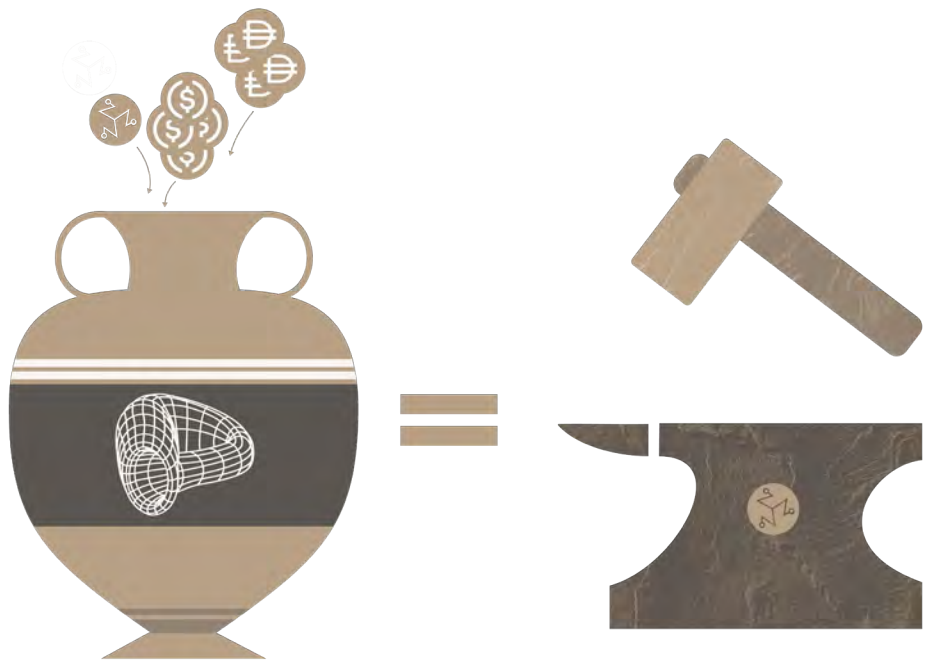
## How the Pools Stay Balanced

The underlying protocol uses the primary market forces of supply and demand to maintain the price of TOR. Everybody understands that when the need for TOR is high and the supply is limited, the value of TOR will increase. When the demand for TOR is low and the supply is too large, the value of TOR will, in principle, decrease. The protocol ensures that the supply and demand of TOR are always balanced, promoting a stable price.



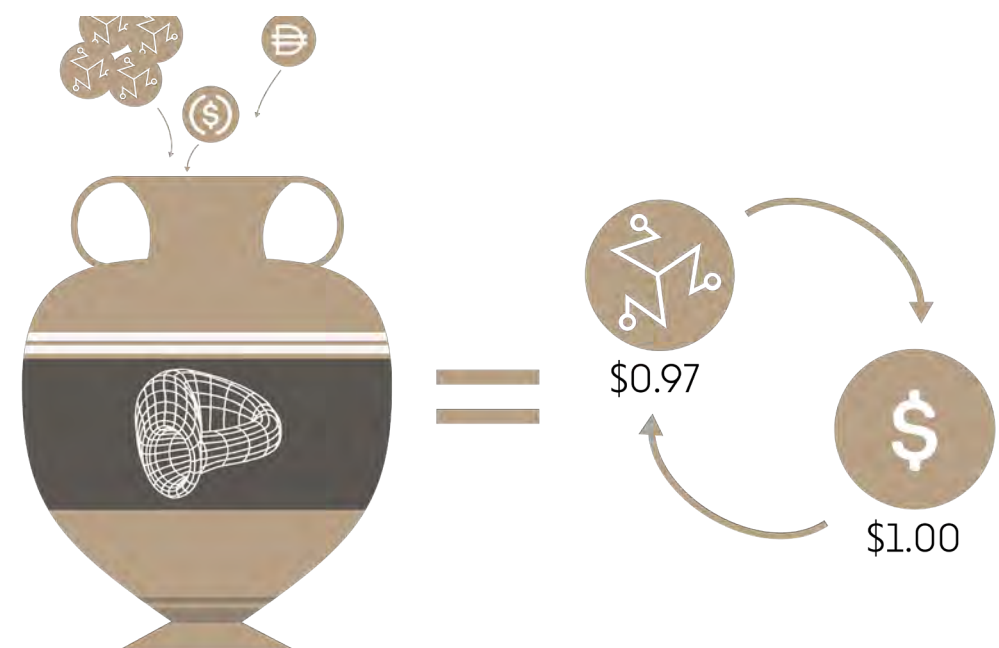


We use expansion and contraction to monitor the Pools.



- **Expansion:** The percentage of TOR in the Curve Pool decreases, so the demand for TOR is high. The price of TOR against USDC/DAI also increases slightly, so minting TOR can be slightly profitable. Users will take advantage of this profit margin by Minting TOR and re-balancing the percentage of TOR in the Curve Pool.

- **Contraction:** The percentage of TOR in the Curve Pool increases, meaning that the demand for TOR is low. The price of TOR against USDC/DAI also decreases slightly, so redeeming TOR can be slightly profitable. Users will take this profit by redeeming TOR and rebalancing the percentage of TOR in the Curve Pool.



## A Fully Collateralised Stablecoin

At its launch, TOR was designed to help shepherd Hector Network, specifically the HEC token, on a deflationary path. TOR was so successful at doing so that the team could refocus our efforts by re-prioritizing TOR. Our Ecosystem has been able to continue on a deflationary path even without the additional Buyback and Burn mechanism initially built into the TOR minting.



Tyche, Goddess of Prosperity

Now, 100% of the DAI used to Mint TOR is stored in the Hector Network Treasury, guaranteeing that the company can fully back every TOR in circulation. Being fully collateralised is imperative to building security for the protocol and trust within our user base. When users choose to redeem their TOR and rebalance the Liquidity Pools, the DAI they receive comes from the Hector Network Treasury.

## Why Stablecoins?

For users who view cryptocurrencies as assets that can grow over time, the concept of a Stablecoin might seem useless. However, Stablecoins fill a massive gap in the industry as they are a safeguard against volatility. This safeguard is particularly powerful when utilized with the growing adoption of cryptocurrencies as a payment method for everyday goods and services. Since stables are not subject to adverse price action due to large sell-offs, they are a prime choice for partnering with payment portals.



# Hector Network and Community Governance

Our Community Has Voted on the Following Proposals



As the company grew it was important to allow the users to be actively involved and have the opportunity to vote on certain proposals that guided the future of the project. Hector Network is always seeking to cultivate an environment that values ideas brought forward by the community.

When community votes are held the users can participate through our [Snapshot page](#), using HEC, sHEC, wsHEC, and ousHEC as voting tokens.



- ◆ Budget Allocation for Certik audits
- ◆ HEC Allocation for farming on SpookySwap
- ◆ HEC Allocation for XT Exchange Listing
- ◆ Begin Investing Treasury
- ◆ Partnership with Rari Capital
- ◆ Staking Warm up Period
- ◆ Buyback and Burns
- ◆ Charity Picks for the Hector Charity Foundation
- ◆ 5m Allocation for Treasury Investments
- ◆ Hector Charity Foundation Picks
- ◆ 2022 Plan and Budget
- ◆ 2022, APY, Growth
- ◆ Digifinex Listing
- ◆ MEXC Listing
- ◆ Naming the Hector Stablecoin
- ◆ Creating Validator Nodes
- ◆ SpookySwap Farm Renewal
- ◆ wsHEC Liquidation Protection at Hector Institute
- ◆ FRAX LP → TOR LP
- ◆ \$40m Investment on Curve
- ◆ USDC Liquidity for Hector Institute
- ◆ BitMart Listing
- ◆ Spooky/Spirit LP Merge
- ◆ Remove Staking Warm up Period
- ◆ Emissions Plan Implementation
- ◆ Range of Treasury Investments
- ◆ Allocation of funds for massive football club partnership
- ◆ Lowering APY to prep for Emissions plan roll out



# The Security of Hector Network

In the light of crypto-related scams, our team set out to provide a trustworthy experience for our users. We have implemented security measures that mitigate the risk of security threats from internal and external forces. Hector Network's five main security measures are:

- I. Multi-signature Authentication
- II. Website Security
- III. Audits
- IV. Initially locked LP
- V. Locked marketing/development funds
- VI. KYC

I. A Multi-signature Authentication System, or multi-sig for short, is a signature process where any development execution needs the consent of multiple people. This measure prevents individuals from altering contract parameters without the consensus of a trusted board. It can also prevent back-door loophole attacks and provides a vote-based system to ensure collective consent. We implemented Multi-signature Authentication (multi-sig) on the contracts with Gnosis Safe. Multi-sig customises how Hector Network's assets and contracts are protected. A predefined number of signatures is required to confirm the most critical transactions, helping prevent unauthorised access.

- i. The Treasury contract and the Expansion Funds Wallet are protected with a 5/9 multi-sig procedure. At least five signatories (Made from team members and advisors) must sign for every transaction or contract change.
- ii. Additionally, all Bonding and Staking contracts





are protected with a 3/9 multi-sig procedure.

- II. Our website developer has implemented extra Cloudflare protection against DDOS (Distributed Denial-of-Service) and other external threats to our webpage and dApp.
- III. We audit every part of our protocol through Certik. Audits can be found here:
  - i. [Hector Network](#)
  - ii. [TOR](#)
  - iii. [Emission Plan](#)
- IV. Hector Network's initial liquidity was locked via DxSale until May 1st, 2022. Since then, the whole liquidity pool is owned by the protocol.
- V. 80% of our marketing and development funds were locked for a 10 week vesting period at the beginning of the project with DxSale.
- VI. Hector Network was vetted through a thorough KYC process in November 2021.





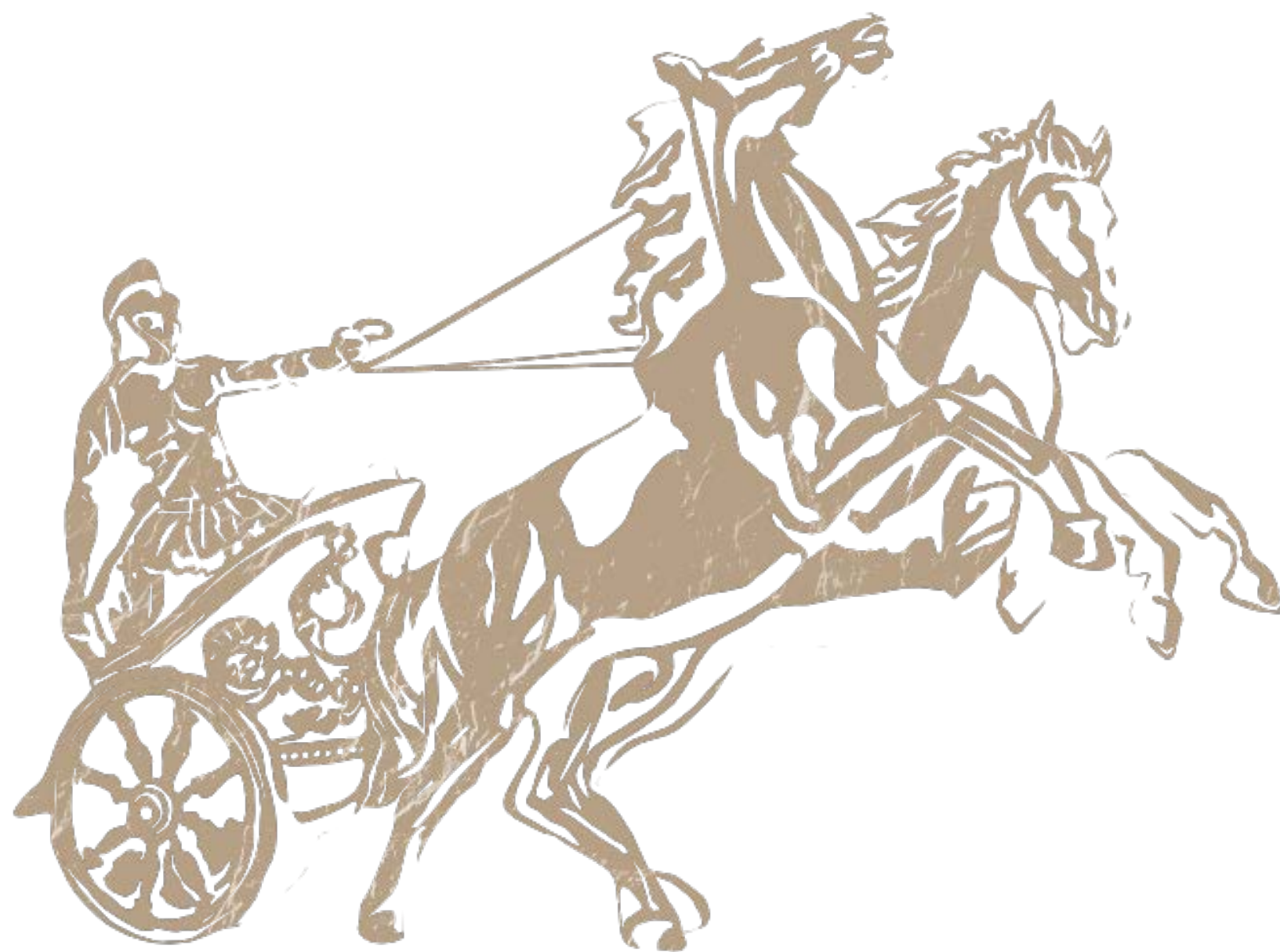
# Roadmap

## Q4 2021

- ✓ Hector Network launch
- ✓ App live
- ✓ Staking and Bonding live
- ✓ Marketing operation initiates
- ✓ wFTM and USDC bondings
- ✓ Multi-sig implementation
- ✓ Fantom Foundation grant applications
- ✓ Dashboard update (info & graphs)
- ✓ 4,4 Bondings deployed
- ✓ Additional Bonding offering(s)
- ✓ Launch of DAO (governance) and first votes
- ✓ KYC Audits to further build public trust
- ✓ Audit
- ✓ Dual-incentivised liquidity pools
- ✓ Listing on Centralised
- ✓ Exchanges
- ✓ First partnerships

## Q1 2022

- ✓ Hector INSTITUTE: Leveraging Platform
- ✓ TOR: Stablecoin
- ✓ Hector Farm
- ✓ Hector DEX
- ✓ Investment Dashboard
- ✓ Hector Around the World NFT is released for minting
- ✓ Start receiving Fantom Grant
- ✓ Hector Cross Chain Expansion Begins
- ✓ Further partnerships



The roadmap for Hector Network is an ambitious future for our community, one we look forward to delivering. Here are some brief insights on what is coming soon from Hector Network.

## NFT Marketplace

We are thrilled to announce that our NFT Marketplace, Atlantica, is in full development.

Hector Network has been collecting feedback and input from our diverse and enthusiastic traders, developers, artists, and community. We intend to launch a Marketplace that will soar beyond the current standards and offers much-





anticipated innovation in this exciting space. As such, we're working tirelessly to bring this vision to life.

Our ambitions in this field align with our aim to be a Multichain platform. Integration of cross-chain transactions is a stepping stone to the future of Defi and NFT alike, and Atlantica will be a pioneer in this arena.

Atlantica will be designed for everyone from all networks and will move beyond digital art to promote the creation and trade of various NFTs. As always, our goal is to offer the best utility available, and we're striving to create a user-friendly space that inspires creativity and community engagement for everyone. As our team continues to expand this project, our enthusiasm drives us to create a secure and revolutionary marketplace that is a leader in Fantom and beyond.

[Follow along with the development.](#)

## DeFi Gaming and The OIKOS

DeFi Gaming is a growing space. There are at least five DeFi Gaming-Primary projects with market capitalizations surpassing \$1,000,000,000. The space is still in its infancy; when paradigms are forming and evolving, innovation is a constant, and there is much room to grow. From the first quarter of 2021 to the first of 2022 blockchain gaming activity surpassed all expectations by growing a staggering 2000%. It's been estimated that by 2028 this burgeoning Game-Fi market will have exploded, boasting a market size of \$166 billion USD and making up 50% or more of the overall gaming market.

With such a staggering forecast, we'd be remiss in not exploring how best to capitalise on this young but growing market sector. With the launch of our metaverse we're looking to shake up

### Q2 2022

- ☒ Re-branding of Hector Network
- ☐ **Launch of the Emission Plan**  
(in Progress to Q3 )
- ☐ **Tier-1 exchange listing**  
(in progress to Q3)
- ☒ Further Partnerships
- ☒ General Crosschain expansion

### Q3 2022

- ☒ Hector Game (The OIKOS) Begins Development
- ☒ BVB partnership announced
- ☐ **Tier 1 Exchange listing (in Progress)**
- ☐ **Launch Emissions Plan (in progress)**
- ☐ **Hector Market (Atlantica) launches**
- ☐ **Atlantica: NFT Launchpad**
- ☐ **Hector NFT (Mythos Collection) launches**
- ☐ **Further Partnerships**

### Q4 2022 and Beyond

- ☐ **Hector Library development**
- ☐ **Hector Launch development**
- ☐ **Atlantica Additional Features released**
- ☐ **Hector Pay begins development**
- ☐ **Further Partnerships**
- ☐ **More Exchange listings**
- ☐ **Further Sponsorships**
- ☐ **In person Hector Network events/ appearances at conventions**



what is known and expected from this type of game, push the limits of existing technology and lay the foundation for the online experience of tomorrow.

This expansive and ambitious project seeks to combine the best of multiplayer gaming, story and quest-driven gaming, and open-world exploration and building. One of our core components for the Metaverse is integrated business districts, bringing beloved brands into the digital space. In conjunction with a carefully planned economy, which allows users to transfer their assets from inside the game to their real-world wallets, we plan to redefine e-commerce interactions.

This vast virtual landscape, decorated with shining cities, will integrate many elements of our Ecosystem. Atlantica, our Library and other aspects of our brand will be available there and eventually accessible through VR.

Offering something for everyone, the Metaverse will feature P.v.E and P.V.P interaction in addition to safety zones focused on educational and commercial content such as real estate, virtual shops and advertising opportunities.



THE  
MIKOS



# The Mythos Collection and Hector NFT

Our flagship NFT collection consists of 16 artworks based on Greek mythology. The collection will have 10,000 animated NFTs, and each character comes in 5 different rarities. Besides the fantastic artwork, we aim to attract new community members, grow Hector Network and its Ecosystem, and provide benefits to our community. Furthermore, there will be substantial bonuses for our NFT holders inside The OIKOS. The finalised perks are still in development; however, they might include some or similar to the following: specialised skins, ability unlocks, unique quest lines, and early access to events.

## Five Levels of Rarities

Onyx

Bronze

ZEUS

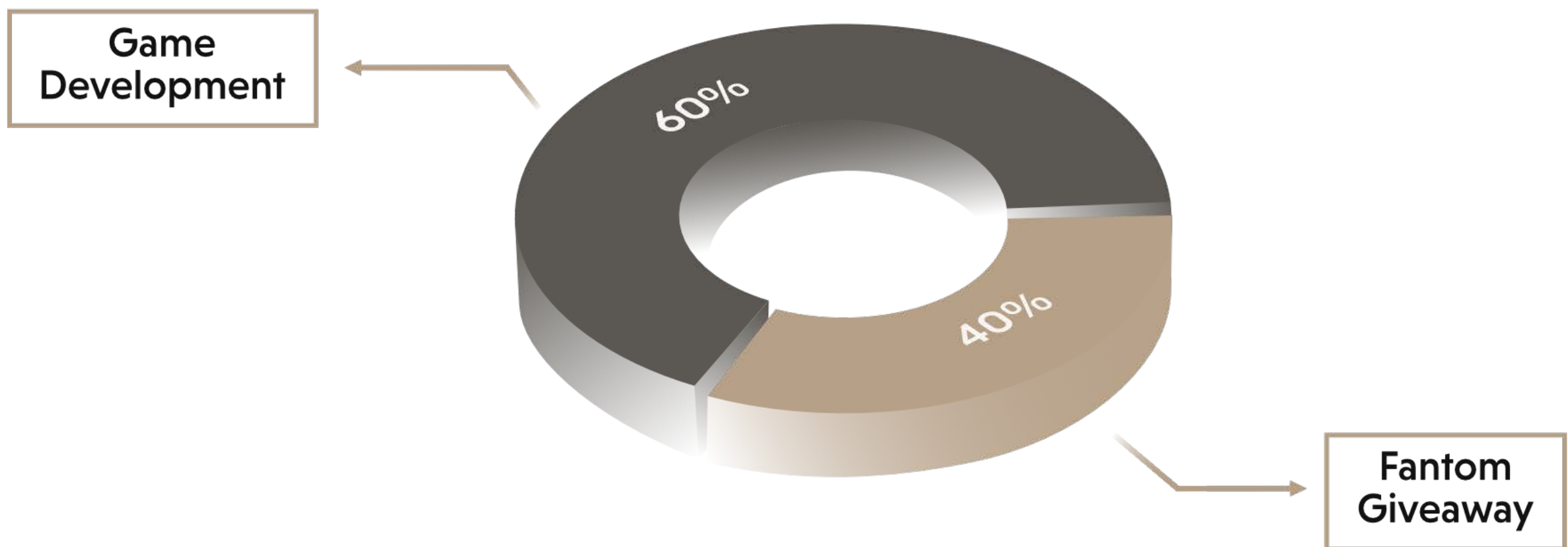
Tyrian

Silver

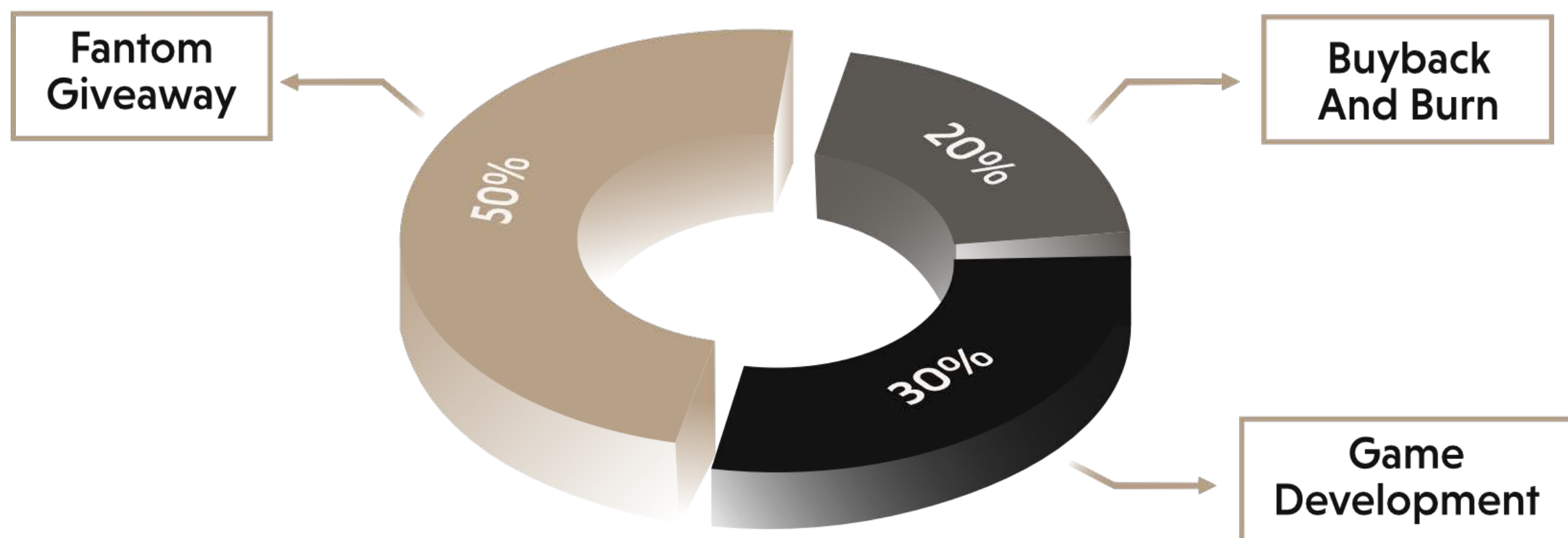
Gold



## Allocation of Earnings From NFT Minting



## Allocation of Earnings From Secondary NFT Sales

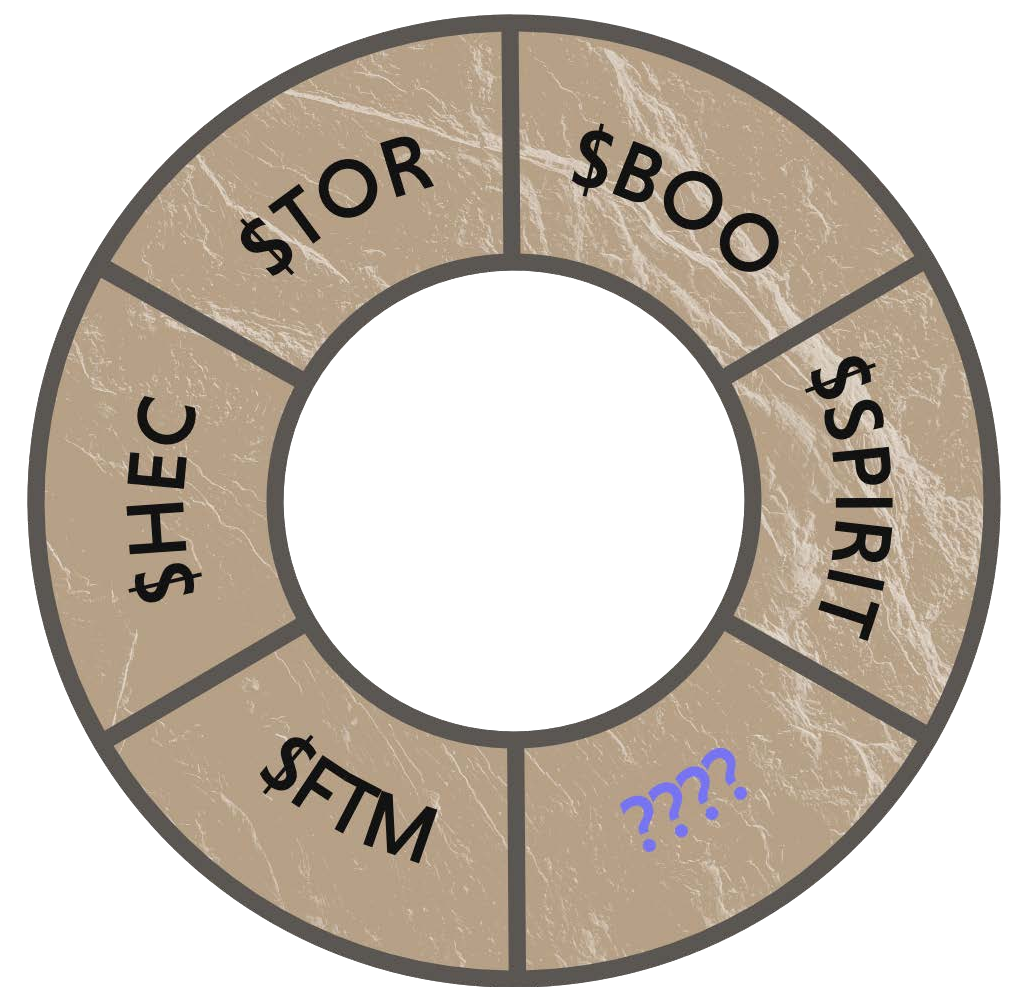




## What Is The Fantom Giveaway?

The Fantom Giveaway is a contest with a massive prize pool for our NFT holders. These prizes will be distributed randomly every four weeks. The size and the number of total rewards will vary depending on earnings from minting and aftermarket sales. Every prize bag consists of six different projects based on the Fantom network. There will be prize packages with varying values but always include all six projects.

Five projects will be the same at every draw, and the sixth will change. Projects and the community will be able to submit proposals to be included. We will carefully review the entries and put them up for a vote!



Every NFT Holder will be entered to win a wide range of prizes made up of these six tokens!  
 1 NFT = 1 Ticket , 2 NFTs = 2 Tickets  
 And so on.....

Over time our NFT offerings will expand to consist of multiple collections with unique advantages and functions, particularly inside The OIKOS. Our first NFT minting took place on February 24th, 2022, to commemorate the "Hector Around The World" campaign, celebrating the geographical diversity of our community. The NFT was free to mint in honour of our incredible community.

## Hector Launch

Continued expansion of the Defi space is an essential focus for the Hector Network team. We believe that helping young projects successfully launch is a fitting way we can give back to our community. Therefore, we are building a launchpad to facilitate a safe, fair, and easy launch process. While Hector Launch might start as Fantom Network specific, like all our offerings, expansion to multichain is not far behind.



## Non-Curated Launches

Non-curated launches will be akin to the ICO launches which are familiar to most users. Project developers can run custom ICOs to raise launch funds and interest and lock LPs. Providing this space will offer developers access to a Fantom-native platform and eventually a multichain platform to launch their projects.

## Curated Launches

Curated launches will be more specialised than non-curated launches. Project teams building something innovative or otherwise valuable to the overall ecology of Defi may apply for a curated launch. If their project is selected, the Hector Network Launchpad Team will give guidance and direct assistance in marketing, design, development, networking, and other resources. Thus allowing those projects to get a head start in the markets and cut through the difficulties associated with launching.

Projects launched through our curated launches have the additional benefit of being recognized as future innovators, selected explicitly by the Hector Network team.

## Hector Library



Hector Library will be a hub of education, intellectual discourse, and community engagement.

Our ambition is to provide a safe, trusted environment for new users to educate themselves and learn how to get involved in DeFi and cryptocurrency. It will offer up-to-date education on our Ecosystem as well as learning modules, articles, educational videos, and quizzes covering various topics. Adding new content regularly will ensure that the Library thrives and can keep current with the needs of our community and the quickly evolving nature of the industry.

Partners will be able to add their content to Hector Library, exposing our users to new and exciting protocols. Third-party content will be screened to ensure the projects are legitimate and the content complies with our quality standards.

In the words of Socrates, **"Education is the kindling of a flame, not the filling of a vessel."** The ultimate goal of Hector Library is to kindle the passion for DeFi that is so much a part of the Hector Network team.



# Hector Pay



Hector Pay is one of the most ambitious goals we have. We aim to create a payment system allowing users to pay for real-world items using their (DeFi) crypto balance. In our view, the ultimate goal of cryptocurrencies is to replace fiat and refocus on a decentralised future.

Users will also be able to send and receive coins on multiple networks to and from friends and family using a mobile app. The TOR stablecoin will be used for payments with the lowest transaction fees, and all of this will leverage the power and speed of the Fantom Opera chain while enjoying crosschain functionality.

Since this is among our loftiest ambitions, it will take time to develop; therefore, more information will come in due course.

## The Benefits of Paying With Cryptocurrencies

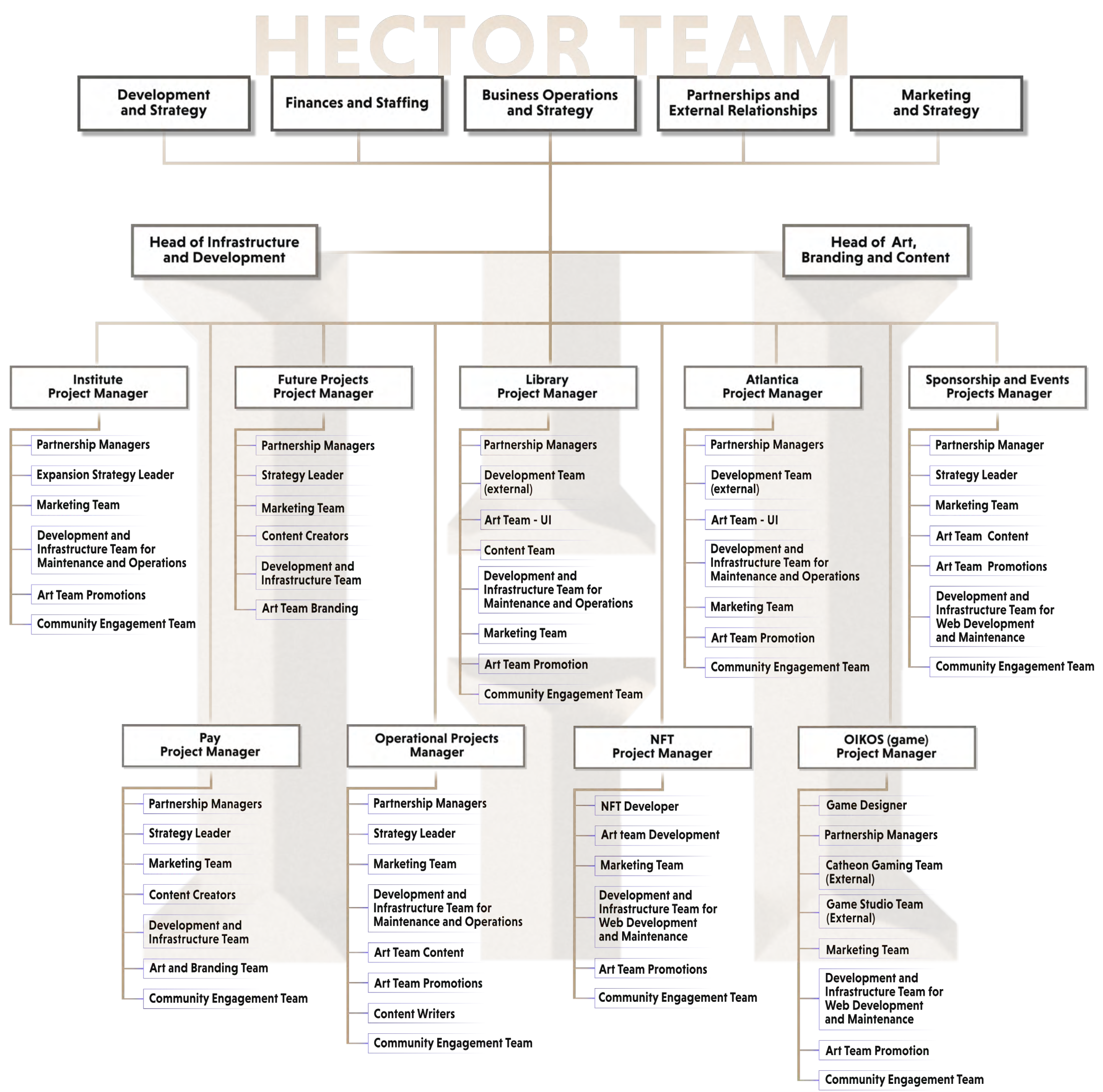
- ♦ Extremely Low Transaction Fees
- ♦ Increased Speed
- ♦ Better Security
- ♦ Provides Off-Ramp for DeFi Investments





# Structure of the Hector Network Team

Hector Network’s team has been expanding rapidly while launching branches of our Ecosystem. By the end of Q1 2022, Hector Network had nearly 50 team members, with skills ranging from technical or branding specialists to artists. The team is based mainly in the EU and North America, with fewer members in Australia and Asia. Our team is committed to engagement with the community, and we achieve this in several ways. Community interaction happens daily on our Discord and Telegram channels and other social media platforms, where regular announcements are shared by the Hector Team. As needed, our team runs community updates and AMA sessions to highlight large projects and their progress and answer questions from our community.





# Long-Term Outlook And Goals

Hector Network offers significant opportunities, and these must be managed diligently, responsibly, and with a view toward long-term success over short-term gains. These are integral beliefs of the entire Hector Network team and key considerations for all developmental decisions.

There are three main factors which will determine the success of Hector Network:

## Community Engagement

One of the most potent parts of Hector Network is the community that builds its foundation. The first things a potential user will notice in a project is how the development team interacts with the community and how the community responds to the development team. The Hector Network team's priority is to ensure that we are always open, responsive, honest, and knowledgeable about our offerings.

The Hector Team is highly cognisant of this. It will create bespoke campaigns to encourage, reward, and celebrate community members and groups who go above and beyond to be helpful, positive, and insightful. The first step in this program is the "Oracle" campaign in the discord server - the most diligent members are awarded this discord role, letting new members know they are users who can be trusted for information. Oracles have a private merch line, logo and branding. Additionally, we plan to run competitions where users can win unique prizes to commemorate the journey we are all sharing.

## Partnerships

Projects thrive when they utilise partnerships to grow symbiotically. It is no secret that alliances with other organisations can bring demand, liquidity, volume and influence. For these reasons, Hector Network plans to cultivate many strong relationships with other organisations in the industry.

Our first partnership was secured with SpiritSwap, an incentivised AMM on the Fantom Opera chain, offering some of the best farms in the DeFi space. We continue to have an excellent relationship with SpiritSwap. Since that initial partnership, we have continued to build bridges with other projects, on different chains, and even brands outside the blockchain. Hector Network will continue to work in concert with these partners to expand the future of our company, crypto and DeFi.



## Marketing

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Effective marketing is essential to any business endeavour, and this is no different. We believe that we have a winning product and that wide-reaching, accessible marketing will be the key to unlocking our growth potential. As such, our marketing team spends considerable time researching market trends, examining other projects' successes in the space, and designing campaigns that will serve our goals of creating awareness and educating potential users.





# Appendix A

## The Equations of the Project

### Staking

$$sHEC = HEC$$

\$sHEC will always be redeemable for \$HEC as a 1:1 swap since Hector Network will always convert bonding sale profits to HEC rewards.

$$\text{Rebase} = 1 - (HEC\text{Deposited} / sHEC\text{Outstanding})$$

The treasury deposits HEC into the distributor. The distributor then deposits HEC into the staking contract, creating an imbalance between HEC and sHEC. sHEC is therefore rebased to correct this imbalance between HEC deposited and sHEC outstanding. The rebase brings sHEC outstanding back up to parity with HEC so that 1 sHEC always equals 1 staked HEC. This rebasing mechanism facilitates the  $sHEC = HEC$  equation above.



## HEC Supply Governance

$$\text{HEC}_{\text{Supply Growth}} = \text{HEC}_{\text{Stakers}} + \text{HEC}_{\text{Bondees}} + \text{HEC}_{\text{Expansion}}$$

HEC has a dynamic supply, meaning that it adjusts with market activity. Supply increases when HEC is minted for staking or bonding purposes.

$$\text{Hec}_{\text{Stakers}} = \text{Hec}_{\text{Total Supply}} * \text{RewardRate}$$

As each epoch ends, the treasury will determine and mint tokens based upon the defined rate.

$$\text{BondingPayout} = \text{HEC}_{\text{Bondees}}$$

When bonding, a HEC reward is minted. The bonding reward will be vested and released at linear intervals. Different types of bonding require different payout calculations. See above for more information.



## Treasury

$$\text{HEC}_{\text{Backing}} = \text{TreasuryBalance} / \text{CirculatingSupply}$$

Every circulating HEC token is represented in the treasury in either stablecoins or non-stablecoins.

$$\text{TreasuryBalance}_{\text{Stablecoins}} = \text{RFV}_{\text{ReserveBond}} + \text{RFV}_{\text{LPBonding}}$$

When users acquire a bonding, the stablecoin reserve of the treasury grows. RFV (risk-free value) is calculated differently based upon the bonding type.

$$\text{RFV}_{\text{ReserveBond}} = \text{AssetSupplied}$$

Reserve bonds in stablecoins like DAI, the RFV is equal to the value of the asset supplied by the bonder.

$$\text{RFV}_{\text{LPBonding}} = 2\sqrt{\text{ConstantProduct}} * \text{Ownership}_{\text{Pool}}$$

For LP bonding such as HEC-DAI bond, the RFV is calculated differently because the protocol needs to mark down its value.

The LP token pair consists of HEC, and each HEC in circulation will be backed by these LP tokens - there is a cyclical dependency. To safely guarantee all circulating HEC are backed, the protocol marks down the value of these LP tokens, hence the name risk-free value (RFV).



# Appendix B

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## Useful Links

[Hector Network Website](#)

[Hector Network Treasury](#)

[Hector Network Telegram Channel](#)

[Hector Network Telegram Announcements Channel](#)

[Hector Network Discord Server](#)

[Hector Network Twitter](#)

[Hector Network Instagram](#)

[Hector Network YouTube](#)

[Hector Network Medium](#)

[Hector Network Beacons \(for all other social media accounts\)](#)

[Hector Network Documentation](#)

[Hector Network Snapshot \(Community Voting\)](#)

[Our Validator: #97 "Hector Network"](#)

[Atlantica Website](#)

[Atlantica Twitter](#)

[Atlantica Beacons \(for all other social media accounts\)](#)

[aBFT consensus algorithm](#)

[Ethereum](#)



# Appendix C

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## Hardware Wallets

The Hector Network team recommends the use of a hardware wallet ("cold-wallet") as it is significantly more secure than a "hot-wallet".

Below are some links to learn more about hardware wallets, some articles might be older but still provide useful information:

[Coin Bureau - Hardware Wallets \(YouTube\)](#)

[BitcoinWiki: Hardware Wallets Guide](#)

[Forbes Hardware Wallet Rundown](#)



# Appendix D

## URLS From Hyperlinks

### Hector Network Website

<https://hector.network/>

### Hector Network Treasury

<https://app.hector.network/#/dashboard>

### Hector Network Telegram Channel

[https://t.me/hector\\_network](https://t.me/hector_network)

### Hector Network Telegram Announcements Channel

<https://t.me/HectorNetworkAnn>

### Hector Network Discord Server

<https://discord.gg/hector>

### Hector Network Twitter

[https://twitter.com/Hector\\_Network](https://twitter.com/Hector_Network)

### Hector Network Instagram

[https://www.instagram.com/hector\\_network/](https://www.instagram.com/hector_network/)

### Hector Network YouTube

<https://www.youtube.com/channel/UCE2kfScrJujDQ32HRPEIF2w>

### Hector Network Medium

[https://medium.com/@Hector\\_Network](https://medium.com/@Hector_Network)

### Hector Network Beacons (for all other social media accounts)

[https://beacons.ai/hector\\_network](https://beacons.ai/hector_network)

### Hector Network Documentation

<https://docs.hector.network>

### Hector Network Snapshot (Community Voting)

<https://vote.hector.network/#/>

# Appendix D

## Continued

### **Our Validator: #97 "Hector Network"**

<https://ftmscan.com/address/0xbe4b73f5caff476ed0cdb4c043236fce81f4dc6c>

### **Atlantica Twitter**

<https://twitter.com/atlanticamarket>

### **Atlantica Mainsite**

<https://www.atlantica.market>

### **Atlantica Beacons (for all other social media accounts)**

<https://beacons.ai/atlantica>

### **Certik Audit Hector Network**

<https://www.certik.com/projects/hector-network>

### **Certik Audit TOR**

<https://www.certik.com/projects/tor>

### **Certik Audit Emission Plan**

<https://hector.network/auditemissionplan/>

### **Coin Bureau - Hardware Wallets - YouTube**

[https://www.youtube.com/watch?v=\\_t3Brlb0qzQ&ab\\_channel=CoinBureau](https://www.youtube.com/watch?v=_t3Brlb0qzQ&ab_channel=CoinBureau)

### **BitcoinWiki Hardware Wallets Guide**

[https://en.bitcoin.it/wiki/Hardware\\_wallet](https://en.bitcoin.it/wiki/Hardware_wallet)

### **Forbes Hardware Wallet Rundown**

<https://www.forbes.com/sites/tatianakoffman/2020/09/24/best-crypto-hardware-wallets-of-2020/>