



A decentralized Web3
infrastructure layer

BLOCKPI

blockpi.io

Why Reshaping the Web3 Infrastructure



The blockchain infrastructure is originally a **decentralized** architecture based on the P2P network.



Centralized providers emerged to satisfy developers' needs for **convenience** and scalability.



The appearance of centralized providers accelerated the public adoption of blockchain but increased the **fragility** of infrastructure services.



Regulatory uncertainty raised community's concerns regarding the **censorship-resistance** of centralized providers.

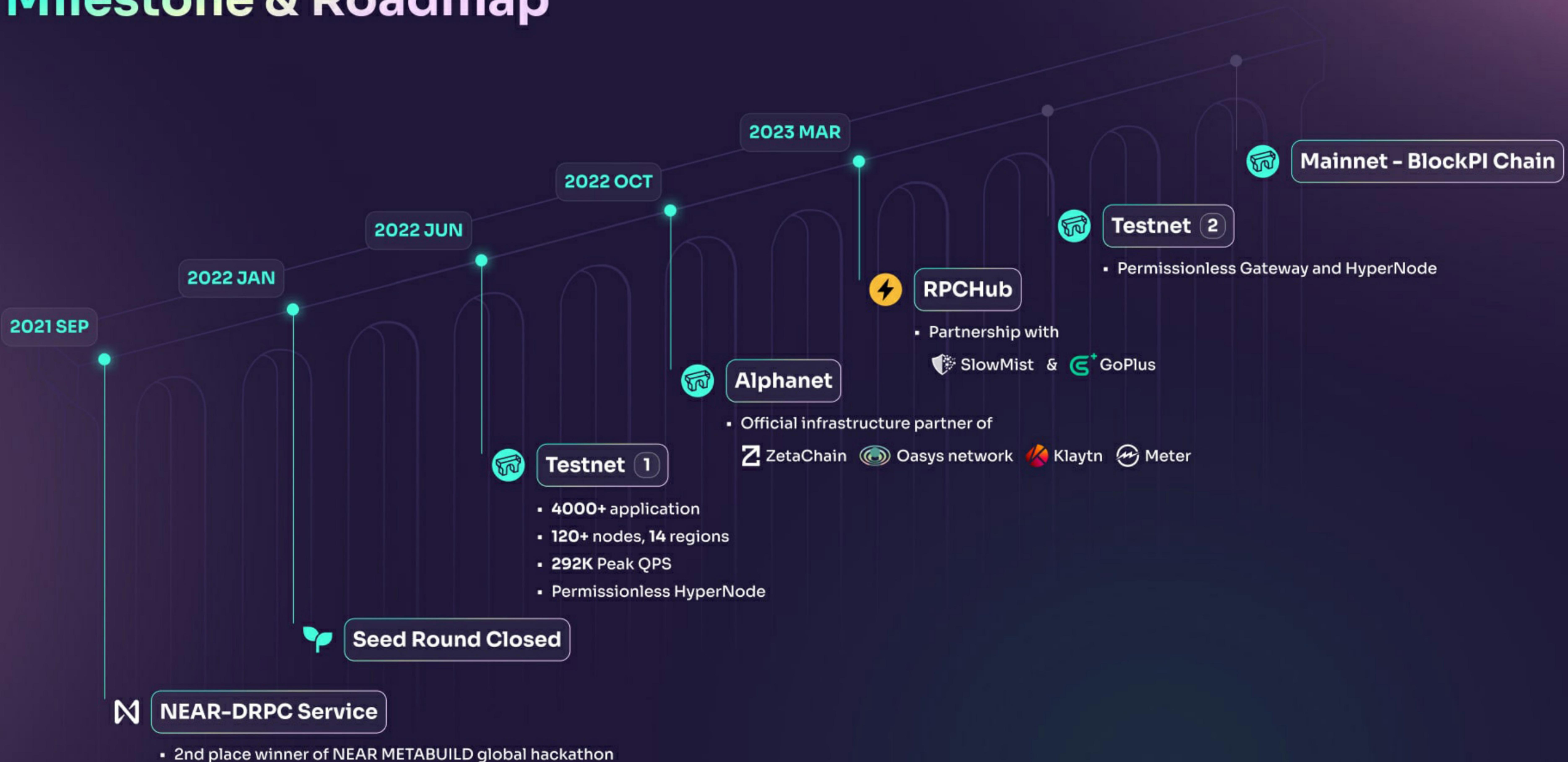
1

Redefine **decentralization** in Web3 infrastructure

2

Build **one-stop** infrastructure solution for billions of **Account Abstraction** users

Milestone & Roadmap



Our product - BlockPI Network

Performance

Provider	BlockPI	B***t	A***y	Q***e	I***a	N***l	A***r	P***t
Average ResTime (ms)	83 [*]	84	116	119	151	164	196	331

*1qps eth_getLogs benchmark case Tested on Polygon at US, Oct 17th 2022

Price

For a **\$49** Package

Method	BlockPI		A***y		Q***e			
	500M RUs	Price	400M CUs	Price	Amount	20M API credits	Price	Amount
eth_getBlockByNumber	15 RUs	33.33M	16 CUs	25M	2 credits	10M		
eth_call	20 RUs	25M	26 CUs	15.38M	2 credits	10M		
eth_getLogs	75 RUs	6.66M	75 CUs	5.33M	8 credits	2.5M		

Our advantage



5 Years experience in node operation, maintaining **1000+** blockchain nodes



Deep understanding of algorithm and performance optimization



Cost effective hybrid cloud architecture

Our product - BlockPI Network



Third-Party benchmark (RPCList)

* Celo, Huobi Eco, Moonbeam and Harmony are not supported.

The screenshot shows the RPCList website interface. At the top, there's a navigation bar with 'RPCList' (highlighted in green), 'Global', 'Chains', 'Providers', and 'Blog'. Below the navigation, a heading says 'Find the best endpoint to connect'. There are several cards representing different blockchain networks:

- Arbitrum One:** Speed: BlockPI, Stability: BlockPI. Status: ✓
- Avalanche:** Speed: PublicNode, Stability: BlockPI. Status: ✓
- BNB Chain:** Speed: Ankr, Stability: BlockPI. Status: ✓
- Celo:** Speed: Ankr, Stability: AllThatNode. Status: ✓
- Cronos:** Speed: PublicNode, Stability: BlockPI. Status: ✓
- Ethereum:** Speed: PublicNode, Stability: QuickNode. Status: ✓
- Fantom:** Speed: PublicNode, Stability: Ankr. Status: ✓
- Gnosis:** Speed: BlockPI, Stability: BlockPI. Status: ✓
- Harmony:** Speed: Ankr, Stability: Ankr. Status: ✓
- Huobi Eco:** Speed: GetBlock, Stability: GetBlock. Status: ✓
- Moonbeam:** Speed: Ankr, Stability: Ankr. Status: ✓
- Optimism:** Speed: BlockPI, Stability: QuickNode. Status: ✓

Each card has a 'See all providers' button below it. A 'Show Testnet' checkbox is also present on the left side of the grid.



Arbitrum airdrop event

The collage includes the following posts and messages:

- (Kay, Kay) @keyahayek · 12m:** BlockPI 的 Arbitrum RPC 还可用, looks like @RealBlockPI RPC is doing good: arbitrum.blockpi.network/v1/rpc/public
- CM @bitouq · Mar 23:** Replying to @RealBlockPI
Yes, I successfully claimed ARB tokens using BlockPI. Manually increasing gas is crucial, otherwise the transaction will fail.
- bossum 🐱 · 05/04/2023 8:20 PM:** Your service helps me very much, tried too much nodes and yours are best
- RPCList @RPCList · 5:33 AM · Mar 25, 2023 · 27 Views:** Thank you for contacting us! I appreciate your outreach. I have had the opportunity to utilize BlockPI, and I must say it is quite impressive. BlockPI's RPCs exhibit stability and high availability.
- OxYuragi 🦉 · 5月16日:** Hi team, I'm with BlockPI Network. BlockPI is a multi-chain globally distributed RPC provider, dedicated in offering low cost, high performance and low latency RPC solutions for pioneering projects like yours. So, would really appreciate it if someone could get me in touch with the one in charge of partnerships here. Thank u!
- N8 | Manifests Artisanal Code 🧑 · 5月22日:** @OxYuragi Hi team, I'm with BlockPI Network. BlockPI is a multi-chain globally distributed RPC provider, you can talk to me
- Tuesday.eth 🌟 · 5月22日:** @OxYuragi Hi team, I'm with BlockPI Network. BlockPI is a multi-chain globally distributed RPC provider, your Arb RPC's saved the day on claim day.
- @N8 | Manifests Artisanal Code 🧑 · 5月22日:** @OxYuragi you can talk to me
- OxYuragi 🦉 · 5月22日:** DM sent, thanks
- OxYuragi 🦉 · 5月22日:** Your Arb RPC's saved the day on claim day.
- OxYuragi 🦉 · 5月22日:** ❤️

Our product - BlockPI Network

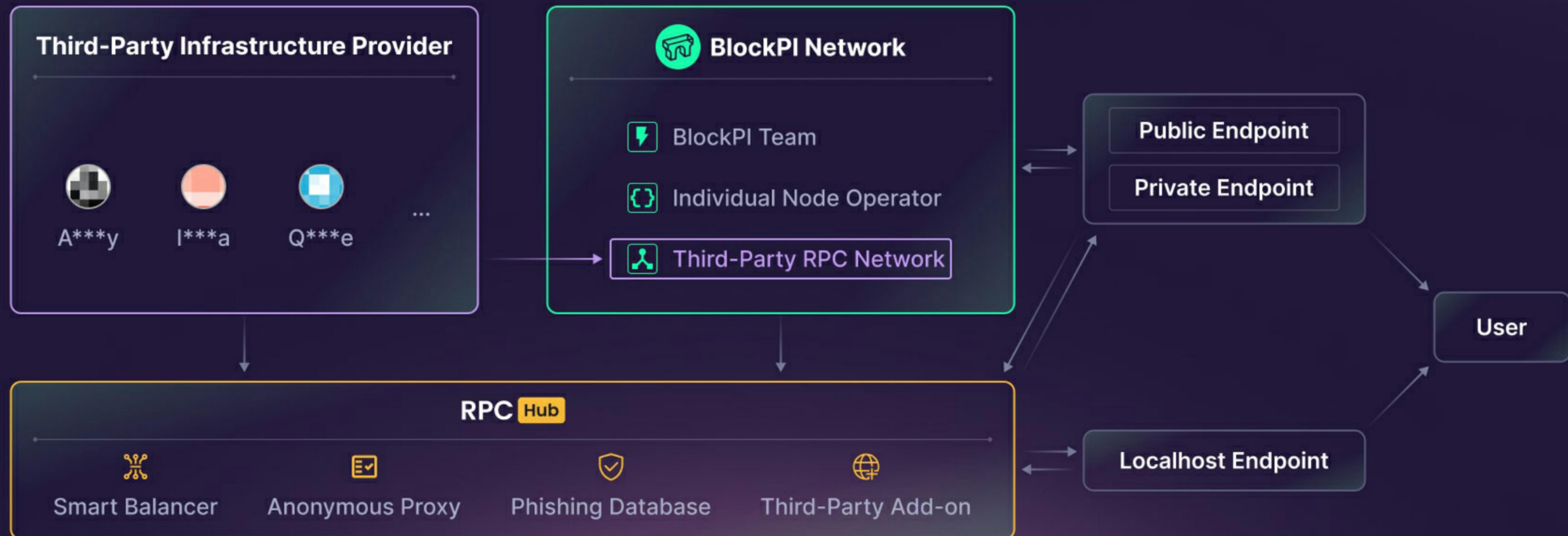
Trusted by

Monthly Request Growth

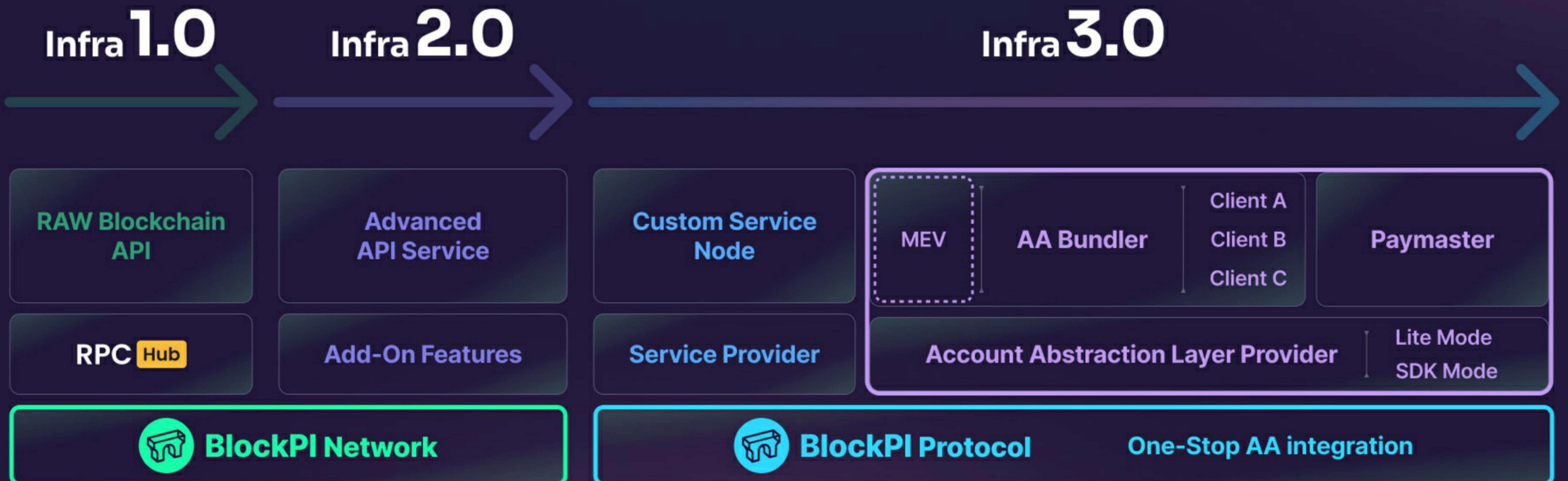


Redefine Decentralization in Web3 Infrastructure

- **Redefine** the decentralization of Web3 infrastructure.
- Create an **all-round infrastructure platform** for all infrastructure providers.

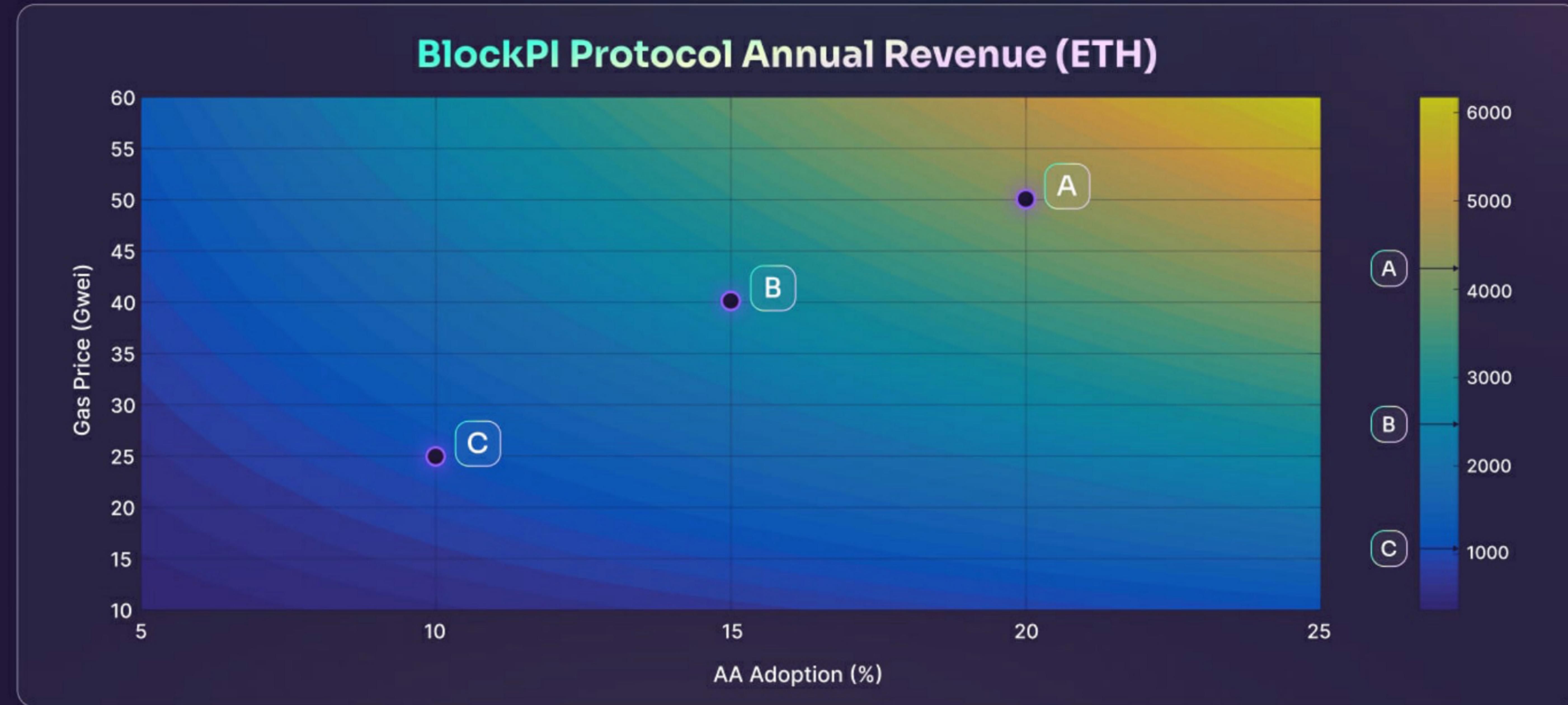


One-Stop Solution with Account Abstraction



The infrastructure abstraction layer for the new era

BlockPI AA Service Market Analysis



Scenarios:

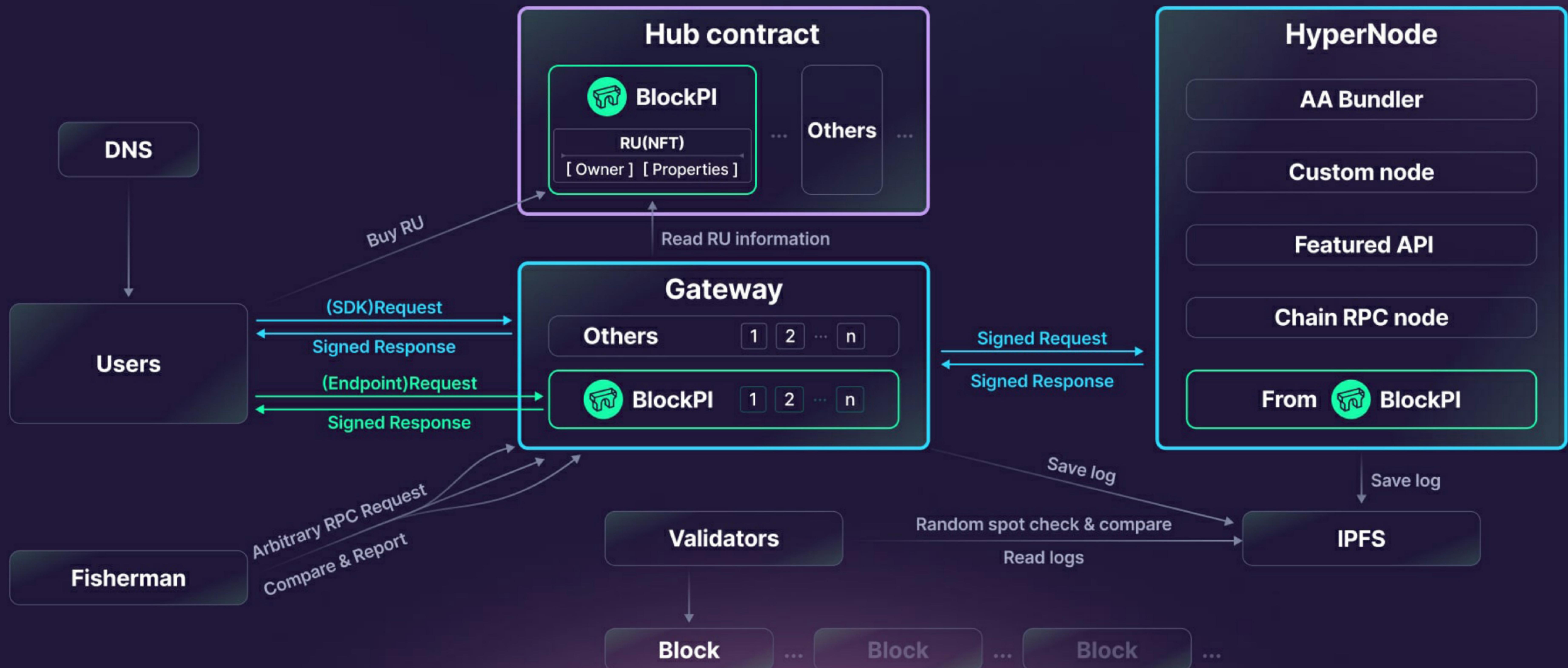
A 20% AA transactions over all transactions, 50 Gwei gas price.
BlockPI Protocol annual revenue is 4200 ETH (\$7.6M).

B 15% AA transactions over all transactions, 40 Gwei gas price.
BlockPI Protocol annual revenue is 2532 ETH (\$4.6M).

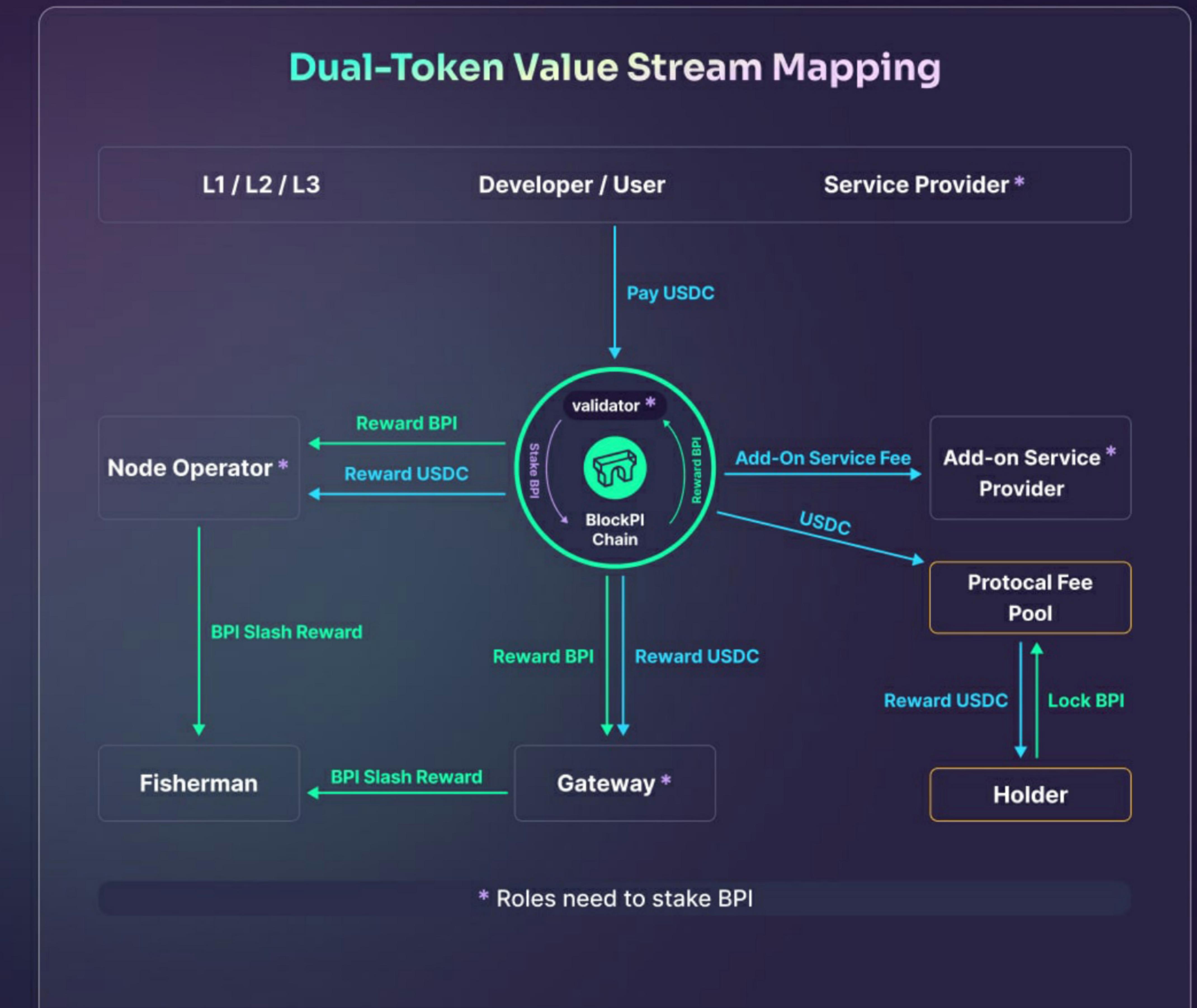
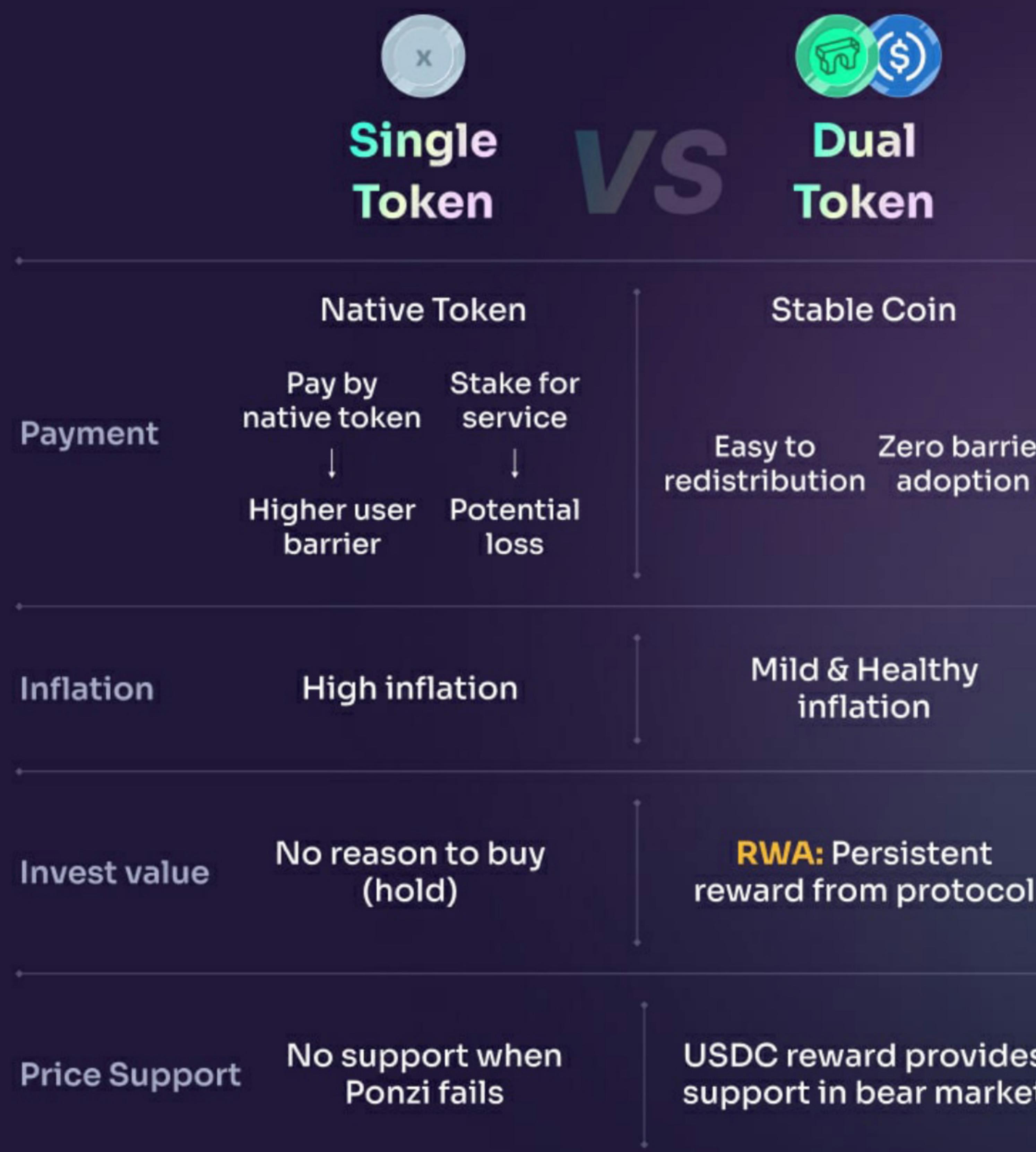
C 10% AA transactions over all transactions, 25 Gwei gas price.
BlockPI Protocol annual revenue is 1056 ETH (\$1.9M).

*With estimation of 5% AA market share and 10% service fee based
on bundlers gas through paymaster. 1 ETH = \$1800.

BlockPI Chain Architecture



Tokenomics



Tokenomics

Utility

- On-chain registration
- Stake for node +
- Stake for service



Governance

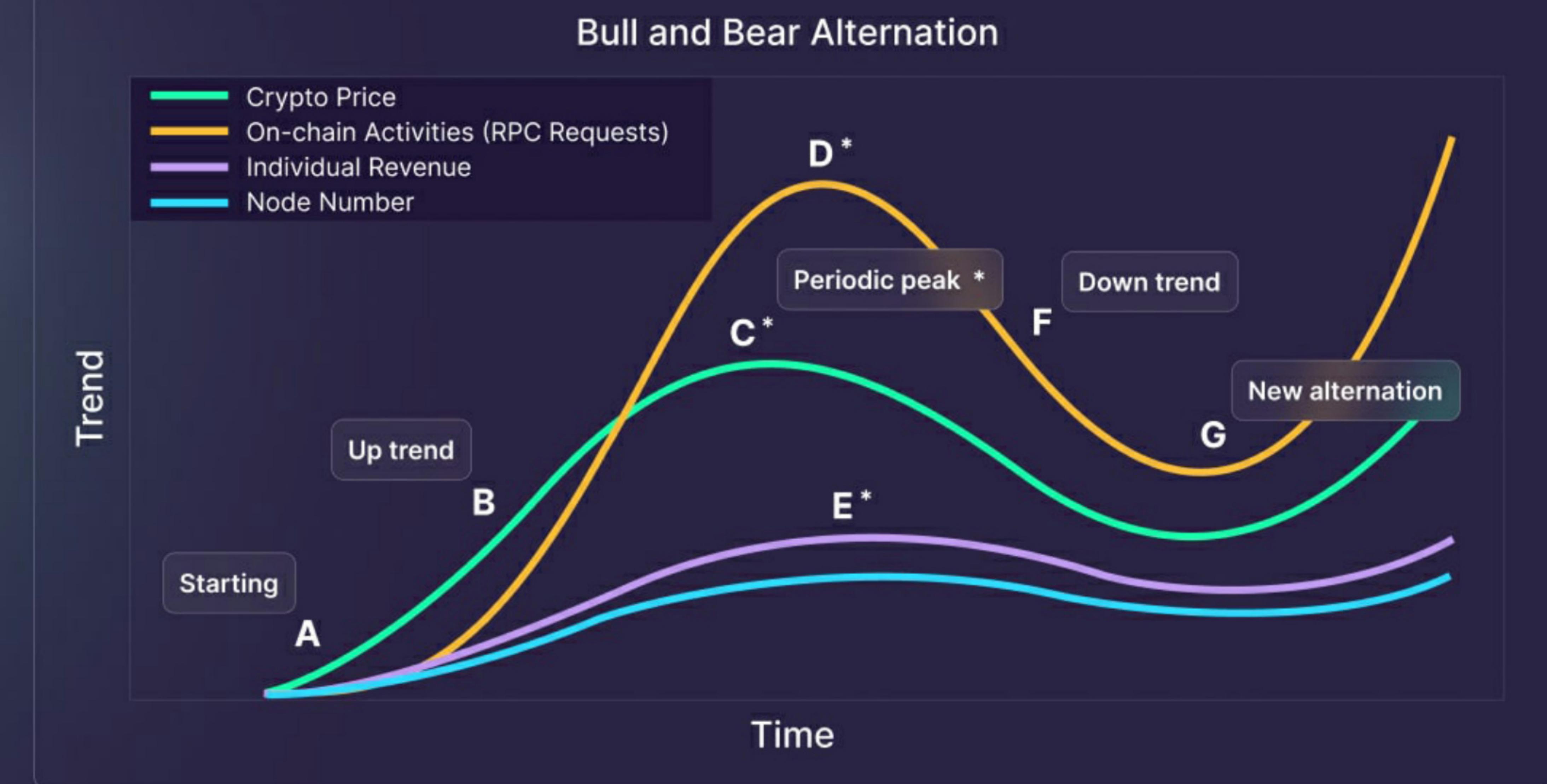
- veToken
- NFT token



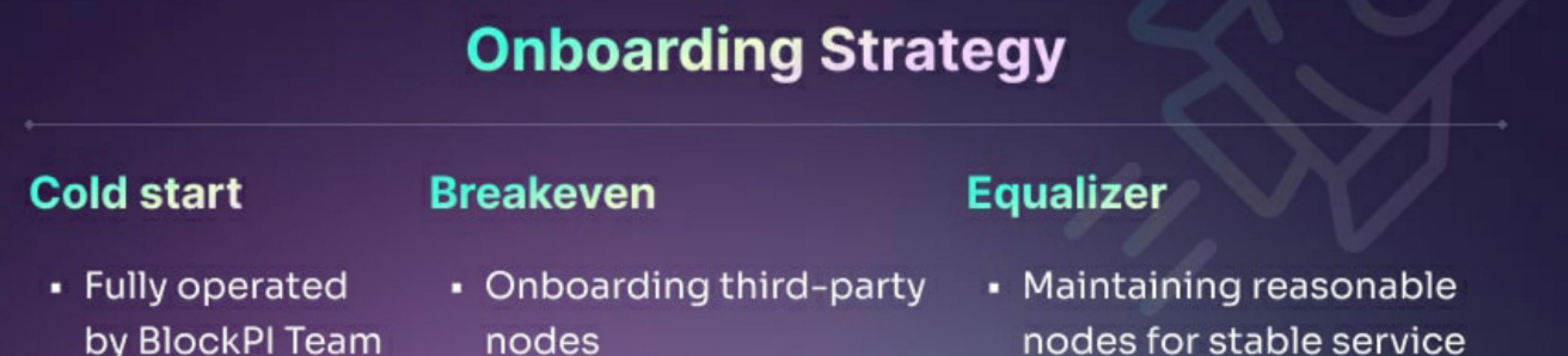
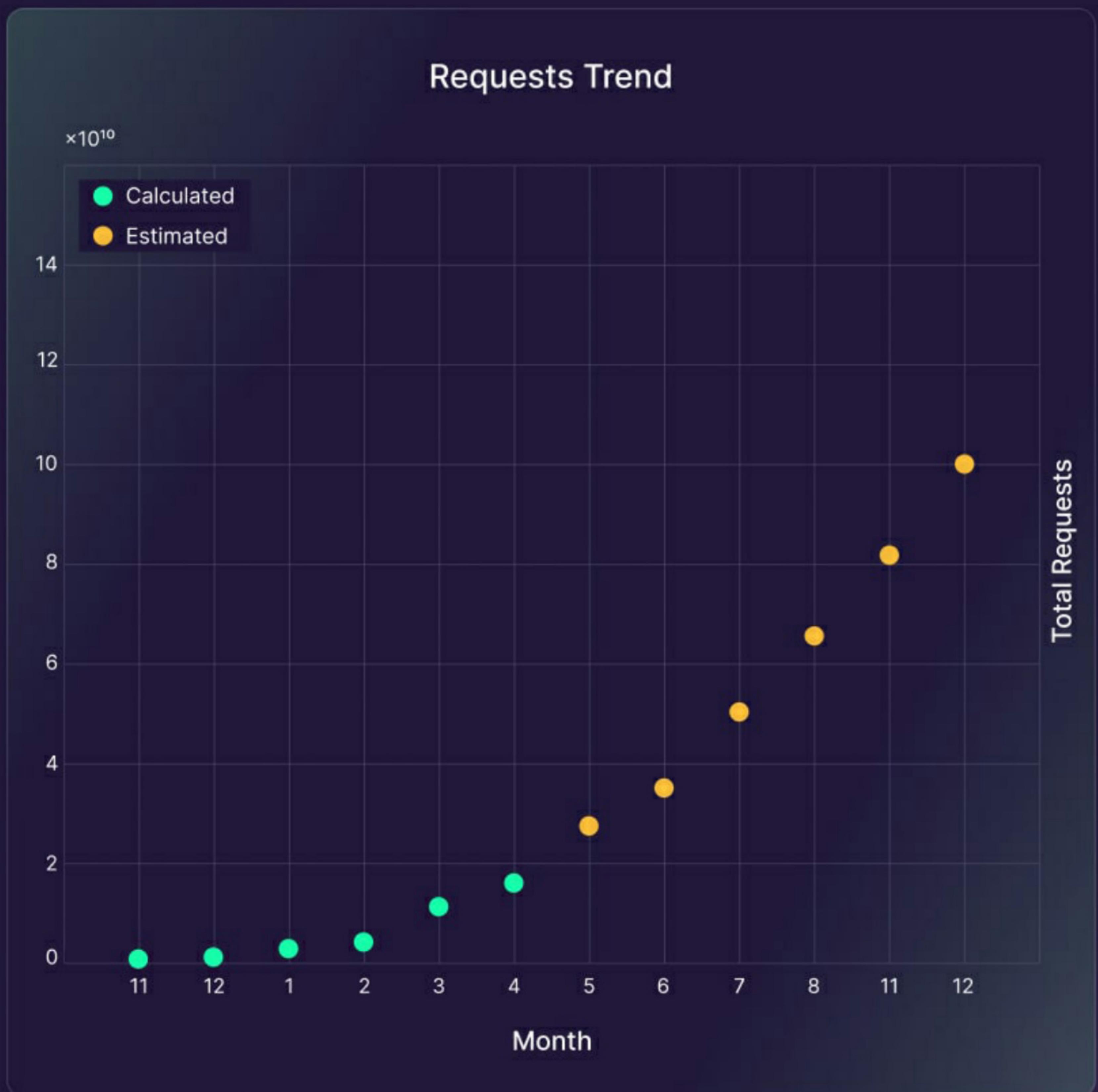
Reward

- Protocol fee to veToken holders

Sustainable Business Model by Dual-Token



Growth and Forecast



Fundraising History and Future Plan

Backers



Total Supply		Percentage	Valuation	Fundraising
	Seed Round	7.5%	\$40M	\$3,000,000
100,000,000	Private Round	10%	\$60M	\$6,000,000
	Community	45%		
	Team	20%		
	Foundation	17.5%		



BlockPI Network

✉️ hello@blockpi.io

🐦 [@RealBlockPI](https://twitter.com/RealBlockPI)

blockpi.io

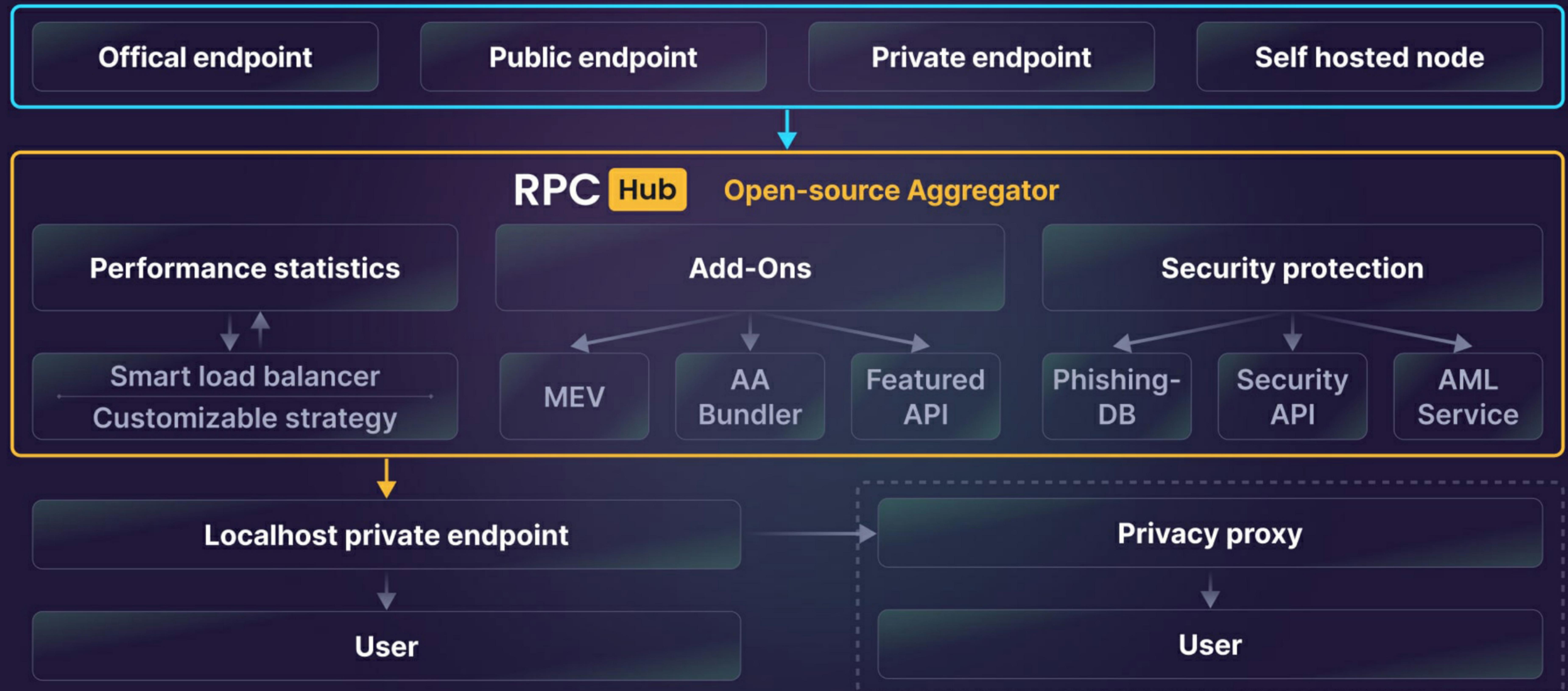
RPC Hub

🐦 [@RealRPCHub](https://twitter.com/RealRPCHub)

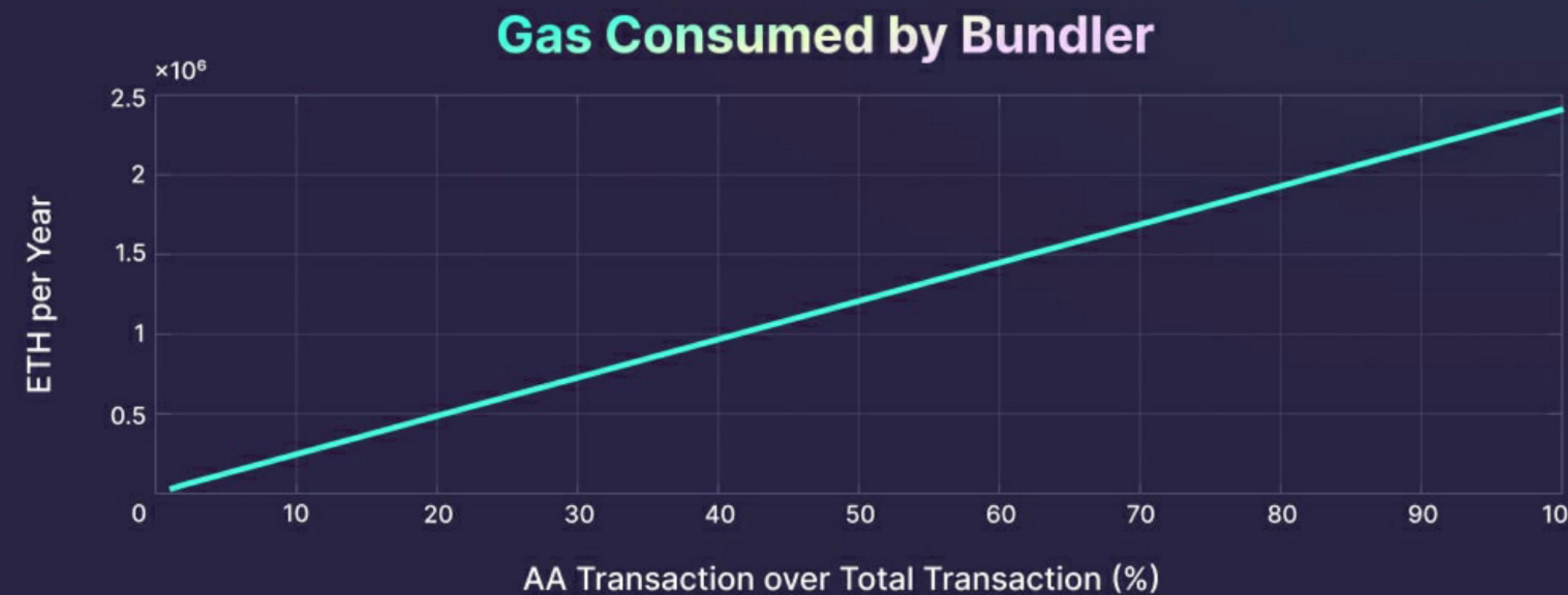
rpchub.io

THANK YOU FOR YOUR TIME

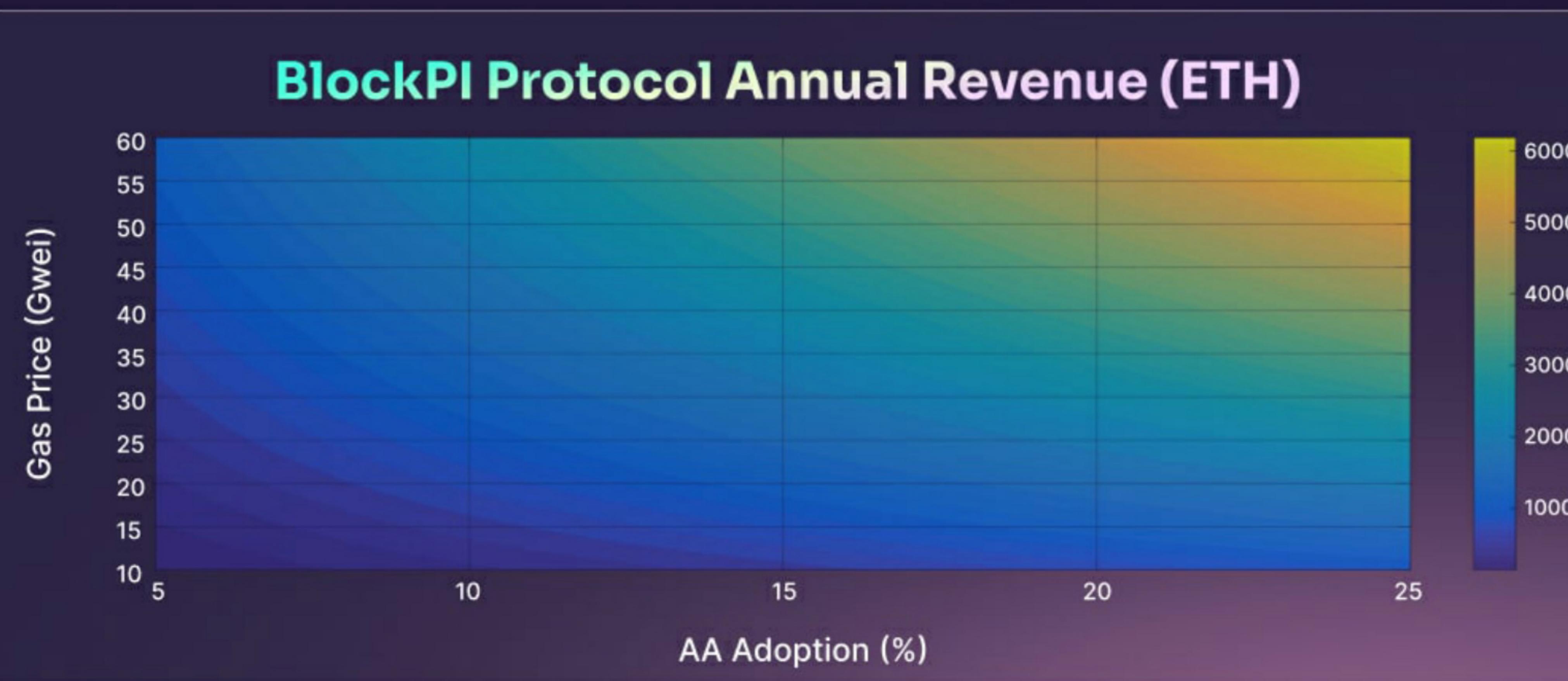
Appendix 1 - RPCHub



Appendix 2 - AA Market Size Calculation

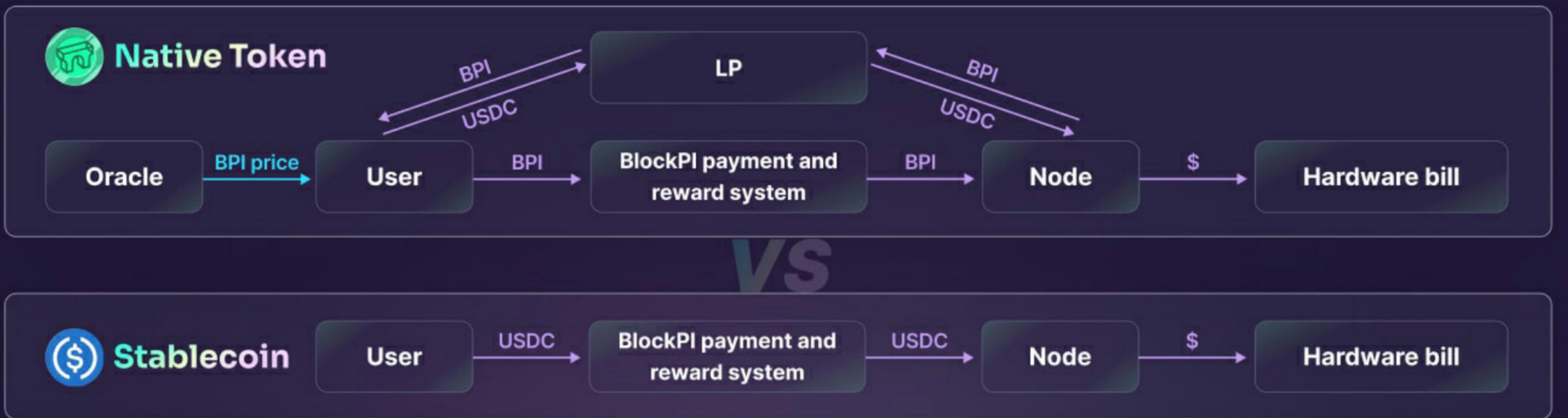


- The block time (12s) and the block gas limit (300M) is almost fixed for Ethereum everyday.
- From the historical data, the average gas price is 25Gwei (245 days) and 50Gwei (650 days). The total transaction gas for Ethereum is thus calculated.
- With the adoption of AA increases, the total gas used by Bundlers increases as well.
- The plot shows how many ETH is used as gas within one year by Bundlers at different adoption percentage.



- As a result, the AA service revenue can be calculated by:
$$\text{Rev} = \text{Gas_Price} * \text{Block_Average_Gas} * \text{Block_Number} * \text{Adoption} * \text{Service_fee} * \text{Market_Share}$$
- If we take adoption percentage and the gas price as variables, 5% AA market share and 10% service fee based on bundlers gas through paymaster, the contour below shows the revenue of the protocol.

Appendix 3 – Payment system

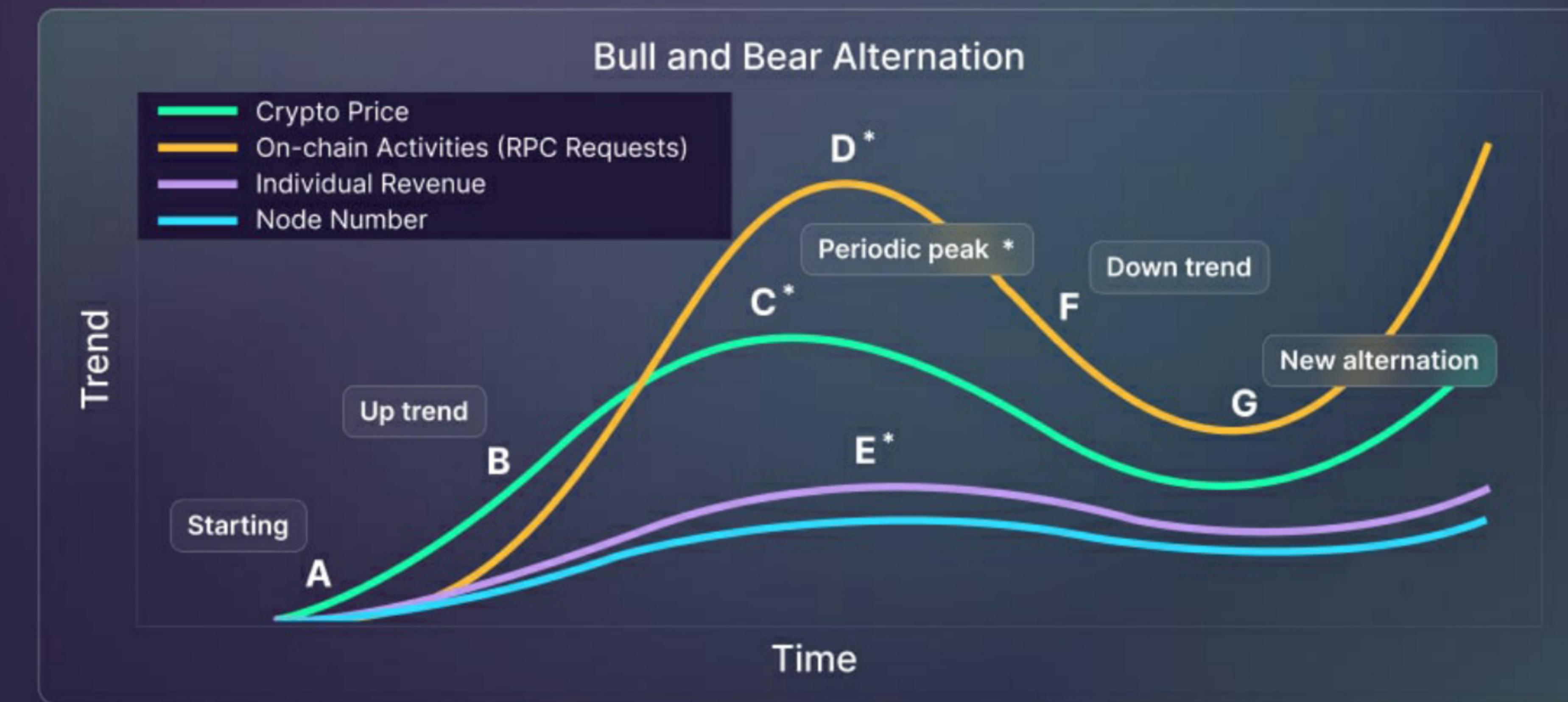


During the design phase of our service payment system, we evaluated two options: **stablecoin** and **native token**. After a thorough analysis of the advantages and disadvantages of both options, we decided to use stablecoin as the sole payment method. This decision was based on several factors.

- **The pricing of the service.** Anchoring the price of a service to fiat is a crucial requirement for ensuring the sustainability of the service network. As node operators ultimately pay fiat for their servers, making this requirement essential. Some early RPC projects have also proven that pricing based on native tokens can bring many difficulties and uncertainties, and as a result, they have introduced pricing based on fiat. (e.g. Pokt, Ankr)
- **System complexity.** Using stablecoin simplified the payment process by allowing payments to be deposited into a reward pool, from which a portion of the rewards could be distributed to node operators at regular intervals. In contrast, using native token would have required the introduction of an oracle to calculate the number of tokens to be paid, as well as a liquidity pool with stablecoin to facilitate token exchange for both users and node operators. This would have increased system complexity and required additional development efforts.
- **Foreseeable cost and income.** By using stablecoin, both users and node operators can easily estimate the cost and income associated with the service. Users can clearly understand the price of the service, while node operators can forecast their earnings for each epoch and determine whether they can cover the cost of their servers. In contrast, using native token would have made it challenging to predict node operator earnings due to the volatility of token prices. Even if token numbers were calculated instantly on the user side, the node providers' income would remain unpredictable due to fluctuating token prices.
- During the process of users purchasing BPI and nodes selling BPI, both transaction slippage and frictional losses occur.

- Scenarios**
- Alice, a user, intends to purchase a \$299 package when the BPI price is \$5. She purchases 61 BPI and begins the payment process. However, the price changes to \$4.9 before the payment is completed, which means that 61 BPI is no longer sufficient.
- Alice is then faced with the option of waiting for the price to recover or buying additional tokens. This can lead to a frustrating user experience.
- Bob, a node operator, is required to claim and exchange BPI to USD at every epoch to ensure that he can cover the cost of maintaining his server, especially when the market trend is downward. Even then, he may still lose a portion of his profit due to the time gap between users making payments and Bob claiming his rewards at the end of the epoch.
- Bob would prefer to simply claim the USDC once on his billing date.

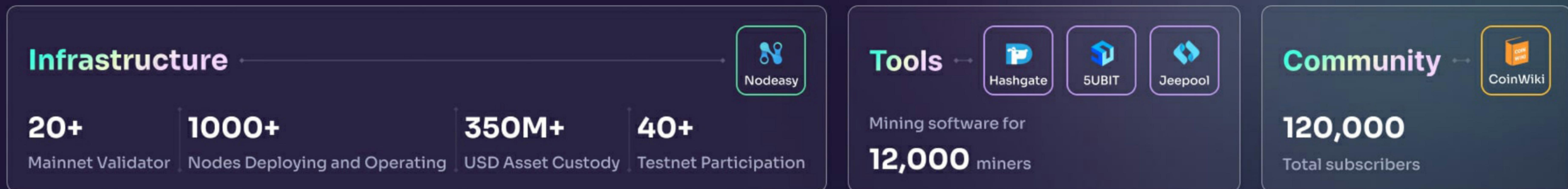
Appendix 4 - Sustainable Business by Dual-Token



- A** A starting point from a bear market and the data of each curve is normalized by their unit.
- B** With the market warming up, on-chain activities usually increases with a small lag. Total earning of nodes increases accordingly and result in the climb of node number.
- C** Market hits the top and starts to drop.
- D** On-chain activities hits the top after the market and starts to drop.
- E** The number of nodes and revenue of individuals are impacted by on-chain activities in real-time.
- F** Individual revenue declines at a slower rate than on-chain activities as the number of nodes decreases.
- G** The market has entered a bear phase, and a new cycle has begun.

Appendix 5 - Who We Are

Founded in 2017



Zhihao

CEO

Bachelor of CS, MBA

Game designer of well-known game production, 4 years of experience in venture capital and industrial capital investment

Serial entrepreneur, Founder of Nodeeasy



Madao

CTO

Bachelor of Applied Mathematics

10 years of R&D Engineering experience, Extensive experience in blockchain technology, Proficient in algorithm and smart contract design

High performance distributed architecture expert, Full-Stack engineer



Bowen

COO

Bachelor of CS

Intel Talent Award, WEC Future Engineers First Prize, 15 years of R&D experience

Serial entrepreneur, Author of Netspeed Booster, over 100 million users worldwide



Albert

Chief Scientist

Ph.D of Aerospace Engineering

6 years of computational fluid dynamics research, 3 years of fundamental research & computational analysis

Expertise in parallel computing



Lea

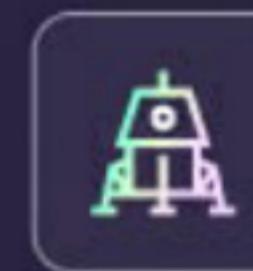
CMO

Dual BA of Math & Business MS of FE

Top US business school graduate. 2+ years experience in investment banking and venture capital, extensive experience in business consulting

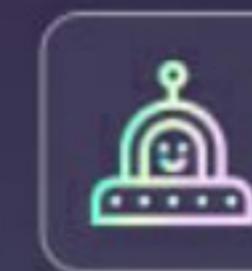
Multi-language speaker, strong background in business development and management

Appendix 6 - Go to market strategy



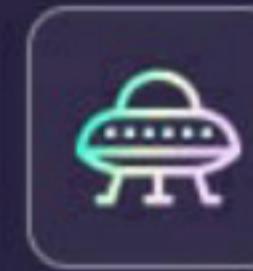
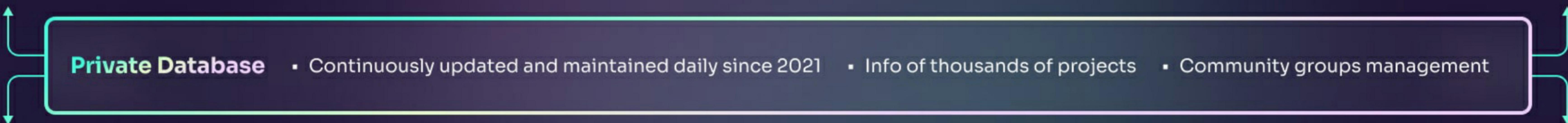
General Business Customers

- "Highly cost-effective and topnotch quality" as major selling point to repeatedly prod the users
- Expansion of brand exposure via 3rd party RPC evaluation platforms (Chainlist, RPClist, etc), KOLs, renown projects, etc
- Massive market share acquirement via large-scale offline exhibitions, special event marketing, online marketing events



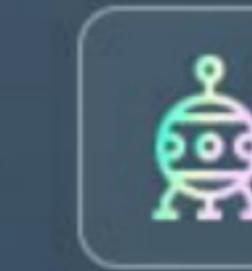
Individual Consumers

- Future token investors cultivation and consumer community building through free RPC offerings and active market appearance
- Free public RPC offerings on major blockchains to establish brand awareness and friendly customer impression
- Special RPC offerings to targeted consumers on BlockPI partners' blockchain to solidify customer relationships



Important Business Customers

- Potential VIPs are precisely targeted and reached out through internal/ external resources (VCs, business partners, etc)
- Targeted business negotiation with prioritized projects based on our evaluations of their specific needs using our database info.
- Long term partnerships are established through customer loyalty program with full time tech support, prioritized demand response, etc.

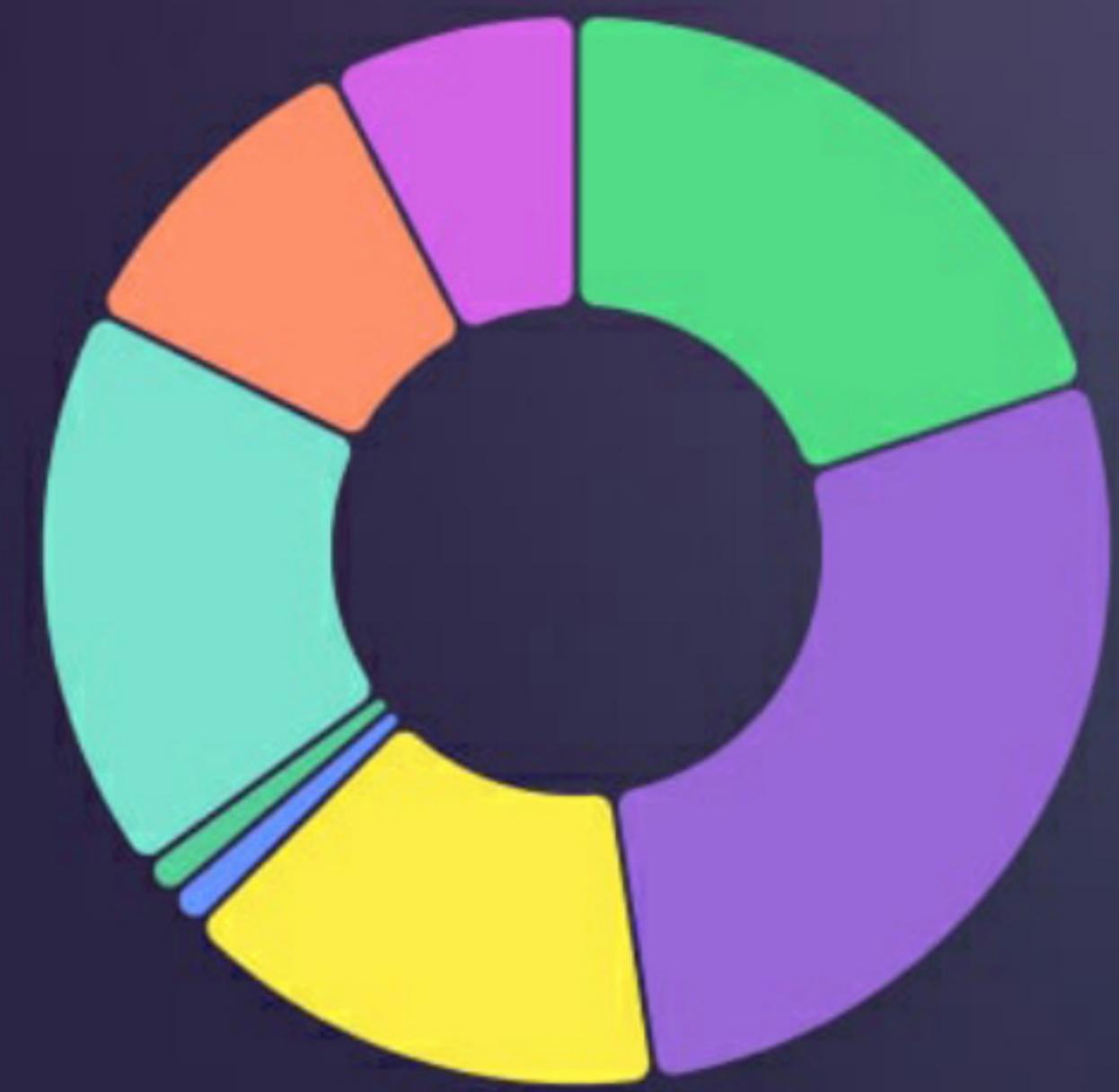


Developers & Early-stage Projects

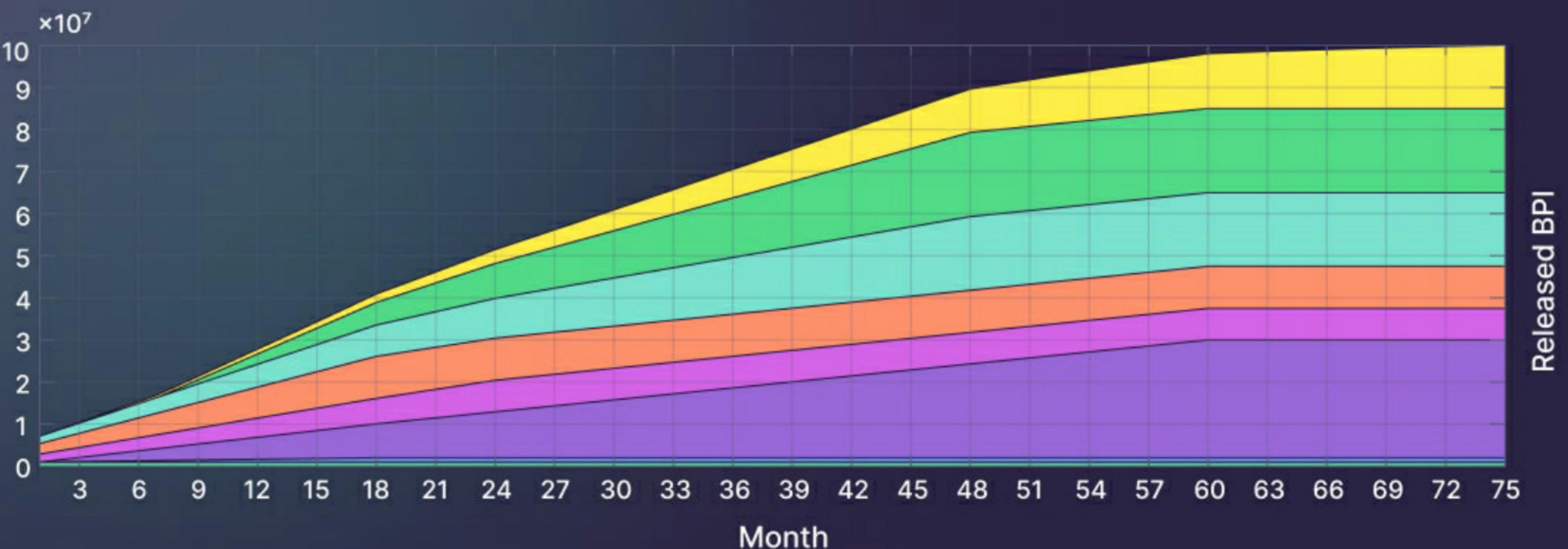
- Future business customers cultivation and developer community building through continuously brand education and exposure
- Extensive promotion of BlockPI Startup Program via multiple platforms (3rd party developer communities, Web3 educational platforms etc)
- Expansion of brand exposure via hackathons, developer open class, developer community discussion, etc

Appendix 7 - Token Allocation and Release Schedule

Token Allocation



Release Schedule



	Percentage	Rule
Seed Round	7.5%	25% TGE unlock, rest linear vesting 24 months
Private Round	10%	25% TGE unlock, rest linear vesting 18 months
Foundation	17.5%	10% TGE unlock, rest linear vesting 48 months
Testnet I Incentives	1%	100% TGE unlock
Testnet II Incentives	1%	25% TGE unlock, rest linear vesting 18 months
General Incentives	15%	Phased linear vesting
Community Reserve	28%	Linear vesting 60 months
Team	20%	Cliff 6 months 25% unlock, rest linear vesting 48 months