KUB

WHITEPAPER V5.2

TO ENABLE A REGIONAL ON-CHAIN ECONOMY,
EMPOWERING INNOVATION AND OPPORTUNITIES FOR ALL

01

Executive Summary

The KUB Whitepaper V5.2 signifies a pivotal and comprehensive strategic evolution, outlining the definitive steps to transition the network into a leading global, decentralized public blockchain. This ambitious goal is underpinned by a significant restructuring, which culminates in the formation of the KUB Foundation. This dedicated, non-profit entity is now tasked with assuming the vital roles of management and oversight, formally stepping in to guide the network's future direction and completing the separation from the initial corporate founding. This non-profit organization is paramount to reinforcing the network's commitment to decentralization and transparency, core tenets required to build enduring trust with international partners, developers, and users globally.

The KUB Foundation exists to support the sustainable and open development of the KUB Chain ecosystem. Its core activities focus on strengthening the underlying infrastructure, expanding network capabilities, and fostering innovation that broadens the ecosystem's practical utility. The Foundation's aim is to help enable an on-chain economy that empowers builders and expands dApp adoption across its target markets.
To support this objective, the Foundation is established in Switzerland, a jurisdiction with a mature, technology-neutral approach to distributed-ledger technology and a well-developed body of regulatory and supervisory practice. Operating within, and subject to, the applicable Swiss legal and regulatory framework, the Foundation intends to explore institutional-grade use cases over time, including the compliant tokenization of real-world assets and, where a viable licensing pathway exists, value-stable payment applications. Any such activities will be pursued only to the extent permitted under the relevant financial-market laws and subject to any authorisations or self-regulatory affiliations they require.

KUB Foundation is subject to supervision by the competent Swiss foundation supervisory authority, which oversees that the Foundation's assets are used in accordance with its statutory purpose.

In the future, by taking on the stewardship role, the KUB Foundation will serve as the mechanism that aims to ensure that the KUB Chain remains a resilient, compliant, and continuously evolving foundational digital infrastructure for the new internet era.

02

KUB Whitepaper V5.2 Overview

KUB Whitepaper V5.2 represents the definitive strategic roadmap for the KUB Chain ecosystem. As the foundational document, it outlines the future trajectory of the network, reinforcing our commitment to providing a robust, ready-to-use infrastructure for all participants. Furthermore, this version delineates the critical technical and operational changes that will drive the network's evolution.

The KUB Chain network has achieved significant operational milestones, evidenced by robust transaction throughput and a rapidly growing number of registered Wallet Addresses. These metrics confirm the network's readiness to operate as a scalable public blockchain on the international stage. A primary driver of this mass adoption potential is the network's commitment to cost efficiency, exemplified by its low transaction fees.

To maintain this accessibility while ensuring long-term viability, KUB Foundationhas collaborated with Validators to recalibrate the network's Gas Price parameters. This strategic fee adjustment necessitates a corresponding realignment of the coin distribution model to preserve the economic equilibrium and sustainability of the ecosystem.

This KUB Whitepaper outlines the technological development of a robust, sustainable, and scalable blockchain infrastructure. The evolution from Bitkub Chain to KUB Chain marks a pivotal step in establishing a global, decentralized public network. This transition is designed to enhance the chain's technical capabilities and expand its reach to achieve international interoperability and recognition.

To realize this vision, KUB Chain will implement strategic initiatives in three key areas:

1. **Technical Advancement:** Developing proprietary technology and tools to support ecosystem expansion, specifically focusing on increased transaction throughput, speed, and cross-chain compatibility.

2. **Digital Transformation:** Facilitating the migration of traditional businesses into the digital economy, with a primary focus on Real-World Asset (RWA) tokenization and the sustainable development of modern financial use cases where permitted under the applicable law.

3. **Global Decentralization:** Accelerating the transition into a global public blockchain by actively encouraging stakeholder participation in the collaborative governance and development of the ecosystem.

The KUB Chain envisions that the strategic directives in Whitepaper V5.2 will catalyze mass adoption at an international level. Furthermore, we aim to inspire innovation that democratizes opportunity, fostering an era where the internet of value is accessible to all.

03

Table of Contents

04

Introduction to KUB Foundation

4.1 About the KUB Foundation

KUB Foundation Overview

KUB Chain is a public blockchain network designed to serve as the foundational digital infrastructure for regional and global. Built with a developer-centric philosophy, the network aims to accelerate regional and global digital transformation by optimizing the accessibility and utility of blockchain technology. To align with international standards and to advance decentralization, the ecosystem has undergone a major strategic transition, resulting in a clear separation of roles between Bitkub Blockchain Technology Co., Ltd. and the KUB Foundation. Under this new structure, Bitkub Blockchain Technology Co., Ltd. has transferred the core technology infrastructures of KUB Chain and the remaining KUB Coin as specified in this KUB Chain Whitepaper to KUB Foundation.

The KUB Foundation operates as a non-profit organization dedicated to ensuring the ecosystem's sustainable, transparent, and community-driven growth. By operating independently from any single private entity, the Foundation is structured so that the chain's development strictly serves the long-term interest of the ecosystem and its participants.

Moving forward, the KUB Foundation will assume responsibility for ecosystem management and oversees the core technology infrastructures of KUB Chain and the distribution of KUB Coin aligned with the objectives as specified under this KUB Chain Whitepaper. In its role, the Foundation oversees strategic funding—including the administration of use of KUB Coin under this KUB Chain Whitepaper, KUB Grants—facilitates community-driven decision-making, expands decentralized application (dApps) integration, and drives the adoption necessary to establish a thriving regional on-chain economy. Simultaneously, the Foundation dedicates its resources to developing core technology infrastructures of KUB Chain and maintaining network infrastructure and, whether directly or through affiliated service entities, supports the creation of robust enterprise solutions designed to run on top of KUB Chain.

05
KUB Chain

5.2 Development Initiatives

KUB Chain was engineered to address critical structural challenges within Thailand and regional blockchain ecosystems. Historically, enterprises and developers across Southeast Asia have faced a stark limitation: a lack of robust, localized blockchain infrastructure tailored for industrial-scale deployment. This gap forced businesses to rely on legacy global networks that are frequently constrained by volatile gas fees and unpredictable transaction latencies—inherent bottlenecks that stifle practical, high-throughput enterprise applications. Furthermore, mass adoption has been continually hindered by the steep technical barriers and complex knowledge required for traditional businesses to integrate decentralized technologies into their existing operations.

To bridge these gaps and establish a globally competitive framework, KUB Chain delivers a high-performance, developer-centric infrastructure specifically optimized for industrial and enterprise utility. By utilizing a decentralized validation model, the network empowers a diverse, global cohort of independent Validators to secure transactions and maintain network integrity. KUB Chain harmonizes institutional-grade security with predictable, ultra-low gas fees and high throughput efficiency. This strategic architecture provides global developers and enterprises with the frictionless environments, robust tools, and scalable foundation necessary to pioneer the next generation of decentralized applications (dApps) and borderless digital economies.

5.2 Vision

To enable a regional on-chain economy, empowering innovation and opportunities for all

5.3 Mission

KUB Chain has a mission to develop high-performance blockchain technology to support widespread real-world usage by international developers. It also aims to support the creation of blockchain technology knowledge, promote participation from all sectors in the ecosystem, and elevate economic value for the Southeast Asian region.

5.4 Value Delivered to Participants

KUB Chain is a high-performance blockchain network engineered to accelerate widespread adoption and enable sectors across the economy to democratize opportunity through decentralized technology. Distinguished by its operational efficiency, minimal transaction costs, and rapid throughput, KUB Chain is supported by a comprehensive ecosystem of proprietary tools and applications designed to streamline development and usability. Furthermore, the network prioritizes institutional-grade security and transparency, ensuring that all on-chain transactions are immutably recorded and verifiable.

Ecosystem Utility & Scalability The KUB Chain architecture empowers developers and enterprises to build sophisticated decentralized applications (dApps) that drive real-world business value. The network supports a diverse spectrum of Decentralized Finance (DeFi) solutions, ranging from lending protocols and Decentralized Exchanges (DEXs) to Data Oracles, Data Tokens, and Yield Farming mechanisms.

Designed as a foundation for a scalable, flexible on-chain economy, KUB Chain handles high transaction volumes efficiently while maintaining low gas fees. This balance of performance and affordability aims to ensure the network remains secure, transparent, and accessible as it scales.

Core Value Drivers: KUB Chain delivers distinct strategic advantages to its users, developers, and partners:

- **Lowering Business Barriers:** Creating an inclusive network that enables effortless collaboration between Micro, Small, and Medium Enterprises (MSMEs) and large corporations.
- **Enterprise Decentralization:** Empowering business partners to migrate traditional systems onto decentralized infrastructure.
- **Asset Tokenization:** Facilitating the conversion of physical and intangible assets into digital tokens.
- **Enhanced Liquidity:** Unlocking liquidity for traditionally illiquid assets by providing a secondary market and trading infrastructure.
- **Accessible Infrastructure:** Providing a user-friendly gateway for diverse industries to integrate blockchain solutions into practical operations.
- **Smart Contract Usability:** Simplifying the deployment and interaction with smart contracts and on-chain applications.
- **Educational Empowerment:** delivering expert-led knowledge transfer to help entrepreneurs, developers, and the general public effectively utilize blockchain technology.
- **Developer Ecosystem Support:** accelerating ecosystem growth by providing developers with essential tooling, technical resources, and funding opportunities.

Strategic Vision: Open-Fi and Mass Adoption: KUB Chain's strategic pivot towards Open Financial On-Chain Infrastructure (Open-Fi), combined with high performance and global regulatory clarity, translates into sustainable value for all participants. By leveraging historical insights and anticipating the future of the on-chain economy, KUB Chain positions itself as the premier utility-driven platform for the global market.

Retail and Institutional Benefits: For everyday users and retail investors, KUB Chain offers decentralized technology built for speed, affordability, and secure access to regulated financial products. Our commitment to achieving transaction speeds comparable to global payment standards ensures near-instantaneous, seamless execution for daily financial activities.

Moving beyond speculative volatility, KUB Chain enables users to provide compliant access to high-utility digital assets, including regulated stablecoins for regional payments and fractionalized Real-World Assets (RWA) such as property and carbon credits. Furthermore, the technological oversight of the KUB Foundation, shall ensure the network operates with stability and fostering long-term user trust and network resilience.

5.5 Technical Description

KUB Chain

KUB Chain is built to be the infrastructure of the new era of the internet, an era where valuable assets are increasingly being transformed into digital formats. KUB Chain aims to be a network of this new internet era that securely, transparently, and conveniently facilitates the transfer of value over the internet on a decentralized network. KUB Chain will provide opportunities for everyone to participate in creating projects and applications on the decentralized network. Those who participate in the network will benefit from reasonable gas fees and fast transaction speeds.

Currently, the operation of various applications that we use today is often connected to the database of that application, where the data is stored and accessed by a single person. This type of data storage is called a Centralized system, which is different from KUB Chain, which has a Decentralized operating concept.

The principle of decentralization creates a set of databases. This large set of databases is distributed and stored among related individuals and can be used to connect to applications that require this database independently. The group of people who store this data is called a Node, which also distributes the storage of all identical data records in each Node. Then, applications running on KUB Chain can access, store, and use data according to the application's operating mechanism or process data through the Virtual Machine or Smart Contract that processes transactions according to the needs of that application.

KUB Chain consists of 4 networks including
1) KUB Chain Mainnet is the main network that is live and used for actual transactions.
2) KUB Chain Testnet is for developers to test functionalities before deploying them on the Mainnet.
3) KUB Chain Layer-2 Mainnet is an extension of the main KUB network (Layer 1),
designed to enhance the KUB network's performance
4) KUB Chain Layer-2 Testnet is the network for developers, with more efficient fees and speed.

Details of all 4 networks are as follows:

KUB Chain Mainnet

Consensus: Proof-of-Stake (PoS) Chain Configuration

- Network Name: KUB Mainnet
- New RPC URL: https://rpc.kubchain.io
- Chain Id: 96
- Block Period: 3 seconds
- Gas Price: Dynamic (minimum 25 Gwei)

KUB Chain Testnet

- Network Name: KUB Testnet
- New RPC URL: https://rpc-testnet.kubchain.io
- Chain ID: 25925

KUB Chain Layer-2 Mainnet

- Network Name: KUB Layer 2 Mainnet
- RPC URL: https://kublayer2.kubchain.io
- Chain ID: 9601

KUB Chain Layer-2 Testnet

- Network Name: KUB Layer2 Testnet
- New RPC URL: https://kublayer2.testnet.kubchain.io
- Chain ID: 259251

KUB Chain Consensus

A Consensus Mechanism is the heart of blockchain technology. It acts as a process that helps nodes in the network reach an agreement on the state of information on the blockchain. It's like checking and confirming that the information in multiple ledgers is the same. This system is important for building trust, preventing fraud, and decentralizing power in a blockchain network.

Bitcoin was developed in 2009 as a Proof-of-Work (PoW) concept. Bitcoin has since become the cornerstone of the concept of Decentralized Digital Value Transfer. Despite the fact that Bitcoin is greatly acceptable and is a high value asset, it has been criticized for its large use of power and its tremendous environmental effect.

In 2012, a project called PeerCoin introduced an alternative concept to consensus technology: Proof-of-Stake (PoS), which was developed to solve the previously mentioned Bitcoin problem of requiring enormous amounts of electricity. Currently, the Proof-of-Stake (PoS) concepts are widely popular of which the projects that adopt this concept are Polkadot, Cardano, and Ethereum 2.0 projects.

Subsequently, the development of Proof-of-Authority (PoA) concept jointly with the emphasis of transparency of the person who validates transaction on blockchain, so-called the Validator, results the user of blockchain technology be able to access blockchain and obtain benefits from the low Gas Fee and the rapid confirmation of transaction of which, under the Proof-of-Authority (PoA), the user of the network shall rely on the reputation and honesty of the person who performs the duty as the Validator.

KUB Chain initially operated with a Proof of Authority (PoA) consensus mechanism. This involved collaborating with business partners who acted as transaction validators, establishing trust in the network and enabling fast transaction confirmations. This benefited all network participants, including users, developers, and businesses involved with KUB Chain.

After KUB Chain fully launched its network with a Proof-of-Authority (PoA) consensus mechanism, in 2022, it transitioned to a Proof-of-Stake-Authority (PoSA) system for transaction validation. This marked the beginning of testing and development towards a Proof-of-Stake (PoS) system, with the goal of expanding opportunities for users to participate as transaction validators on a wider scale.

In 2023, KUB Chain transitioned its consensus mechanism from Proof-of-Stake-Authority (PoSA) to Proof-of-Stake (PoS) to further become more decentralized, enhance its security, and support wider real-world adoption across various industries. Following the successful completion of this transition, KUB Chain has continued to operate smoothly without any service interruptions (zero downtime).

KUB Chain's Proof-of-Stake (PoS) consensus mechanism is an open system that allows all users to become part of the KUB Chain network. Users can participate by becoming Validators or by delegating their authority for validating transactions to the Validator (Delegators). This is done by staking KUB coins, which increases the Validator's stake and encourages greater participation in transaction validation on the KUB Chain. This system promotes user engagement and enhances network stability.

In 2024, KUB Chain upgraded its Proof-of-Stake (PoS) consensus system to improve efficiency and support future developments. Initially, the slashing mechanism was adjusted for Pool Nodes from 1,000 KUB to 100 KUB and for Solo Nodes from 1% to 0.1%.

The 2026 "Basel" Hardfork significantly boosts KUB Chain's performance by reducing block times from 5 to 3 seconds while maintaining stability through new system-owned "Failsafe Supernodes." This strategic upgrade streamlines the ecosystem by merging "Official Nodes" into a unified "Pool Node" structure and halting new Solo Node registrations to prioritize scalability, though existing Solo operators remain grandfathered in. Ultimately, the Basel upgrade balances increased transaction speeds with enhanced security to prepare the network for mass adoption.

KUB Chain Nodes

KUB Chain comprises 5 node types including Full Node, Archive Node, RPC Node, Relay Node and Validator Node.

- **Full Node**
  A Full Node functions to oversee and manage data within a distributed database system. It also introduces transactions to the network and accesses transactions on the network. Full Nodes are connected to communicate data with applications that require blockchain network data for transactions or to utilize Smart Contracts. Furthermore, each Full Node must update the Go Ethereum Client Software to process and manage data on the Distributed Ledger. The developers have separated the Nodes that accept transactions from the Nodes that sign (Signing) or validate transactions (Validator Node) to ensure that both operations do not compete for the same resources.

- **Archive Node**
  An Archive Node is a special node on the blockchain network that records all data, from the very first block to the present, including historical network status information. This differs from a Full Node, which only stores transaction data. The advantage of an Archive Node is its ability to thoroughly audit historical data, making it suitable for in-depth data analysis, Decentralized Application (dApp) development, and even data recovery. However, the disadvantages include the need for large storage space, high resource consumption, and lengthy data synchronization times. Nevertheless, Archive Nodes are extremely beneficial for those who need access to the entire historical data on the blockchain, such as data analysts or Decentralized Application (dApp) developers.

- **RPC Node**
  An RPC Node is a node that acts as a bridge between external applications and the blockchain. It helps applications like Wallets or Decentralized Applications (dApps) easily access and interact with data on the blockchain. The RPC Node receives commands from applications, such as sending transactions, reading data, or executing Smart Contracts, and forwards these commands to the blockchain network before returning the results.

- **Relay Node**
  A Relay Node is a node on a blockchain network that acts as a signal relay station. It forwards data and messages between other nodes. It receives information from a node, performs initial verification, and then transmits it to other nodes in the network. This helps increase data transmission speed, expand the network, and reduce the workload of other nodes, such as Full Nodes or Validator Nodes. The benefits of Relay Nodes include increased network efficiency and stability, as well as reduced operating costs.

- **Validator Node**
  Validator Node is responsible for verifying and confirming transactions before they are added to the Distributed Database through a process called Consensus. The Validator Node is in charge of validating and verifying transactions. Validator Node shall communicate with other Validator Node on the blockchain network to achieve consensus in every transaction on the Distributed Ledger.

Validators on KUB Chain

The Validator validates blockchain transactions on KUB Chain Network to ensure the security of transactions and decentralization of the blockchain. For KUB Chain, the group of individuals who participate as Validator must need to proceed with opening a Validator Node and stake their KUB to be entitled as Validators and receive reward determined by the quantity of KUB staked by each Validator. Additionally, Validators can also be Node owners, controlling Node operations and directly participating in maintaining the security and stability of the KUB Chain network. However, Validators need to have technical knowledge and the ability to set up the Node infrastructure. They are also responsible for maintaining the availability of the Node.

Delegator

Delegator of KUB Chain is a person who delegates authority for validating transactions to the Validator, for which the Delegator no need to have technical knowledge and the ability to set up the Node infrastructure and require to stake KUB coin with Validators to validate transactions on the block and obtain reward proportionately dependent on the amount of KUB staked by dividing rewards between Validators and Delegators.

However, Delegators still depend on the performance of Validators, and there might be cases where some Validators have a lower chance of obtaining the right to verify transactions and receive rewards. Nonetheless, being a Delegator offers flexibility, as they can stake with other Validators.

Comprehensive technical specifications regarding Validator and Delegator roles, including participation requirements and incentive structures, are available in the documentation at https://docs.kubchain.com/

5.6 Related Technology

Validator Quorum

During the Genesis Stage or starting period of blockchain, only trustworthy Nodes serve as the Validators on KUB Chain. After the consensus transition from PoA and PoSA to PoS, everyone can participate as the Validators.

KUB Chain Compatibility

- **Ethereum Virtual Machine Compatible (EVM)**
  Interoperability is one of the key features that enable blockchain to be widely used. Currently, Ethereum is the largest network and is the prototype of tokens, Decentralized Applications and Smart Contracts. KUB Chain Development Team sees the importance of such blockchain infrastructure, so KUB Chain Development Team has developed KUB Chain to support Ethereum-based Smart Contracts.

- **Software Development Kit Compatibility**
  Software Development Kit Compatibility allows the Developer to create their work conveniently and to work interoperably with the network. KUB Chain is compatible with a wide range of Software Development Kit Compatibility, including:
    - Support Web3.js
    - Ether.js (optional)
    - Truffle.js library
    - KUB Wallet SDK

- **Online (Web 3) Wallet Support**
  KUB Chain is the blockchain infrastructure that supports decentralized wallets such as KUB Wallet, Metamask, OKX Wallet, and compatible with Wallet Connect, Rainbow, Rabby, and Coinbase. As a result, individuals who own their private key may transfer, receive, and store digital assets on their own.

06

KUB Coin (KUB)

6.1 Coin Utility

KUB is the Native Coin of KUB Chain (comparable to Ether on the Ethereum network).
KUB has utilities as follows:

- **Gas Fee:** It functions as a unit of measurement for the amount of work accomplished by a Validator such as validating and confirming transactions, generating blocks, and securing transactions on KUB Chain network. Users shall be required to pay the Gas Fee by use of KUB of which the amount of Gas Fee required to be paid depends on the complexity and size of transaction generated on KUB Chain. The Gas Fee shall be used in these processes:
    1. The Gas Fee for transaction fee on blockchain network such as asset transfer, storage, and others.
    2. The Gas Fee for utilizing smart contracts or Decentralized Applications on the blockchain network.
- **Proof-of-Stake (PoS) Staking:** The holder of KUB can stake their KUB to be entitled as the Validator or the Delegator on KUB Chain's Proof-of-Stake consensus
- **Voting:** KUB holders have the possibility to vote on protocol parameters

KUB Coin is intended to function as a utility token providing access to e.g. transaction fees, protocol services, dApp functionality and voting within the KUB Chain ecosystem. It is not structured to represent, and holders should not expect it to confer, any equity, ownership, participation, profit sharing, or dividend right in the KUB Foundation or any affiliated entity, nor any claim over their assets or revenues.

6.2 Coin-related Economic System

Tokenomics Overview

- **Coin Name:** KUB Coin
- **Abbreviation and Counting Unit Name:** KUB
- **The Current Total Amount of Coins** = 110,000,000 KUB
- **The Total Amount of Coins Presently in Circulation in the System** = 80,591,190.95 KUB (as of 18 June 2026)

On August 9, 2021, KUB in the amount of 890,000,000 KUB has been burnt and destroyed in order to reduce the total original amount of KUB from 1,000,000,000 KUB to 110,000,000 KUB to be conformance with objectives of KUB Chain V2.0's that wished to lowering the Gas Price from 50 Gwei to 5 Gwei per transaction to urge mass adoption speedily in reasonable price. Due to the foregoing reason, it has caused KUB distribution ratio pursuant to the original coin distribution plan to be changed to correspond with the amount of KUB burnt or destroyed. And after KUB Chain Development Team has discussed with Validator Node to adjust Gas Price from 5 Gwei to 25 Gwei, on October 16, 2023, on the purpose of the adjustment the balance between related parties in the ecosystem, including general user, project developer, Validator, and Delegator in order to allow everyone to be a part of the development of KUB Chain towards the goal of becoming the foundational infrastructure of the digital economy in the future.

KUB Chain's tokenomic is designed to be long-term sustainable, with incentives for the user and an emphasis on maintaining network balance. The use of functions of KUB Chain must be exchanged with depletion of processing power of computers in the network. KUB is therefore utilized as the Gas Fee, for processing whilst the Validator shall obtain KUB as compensation for using a part of resource with procedures in the network such as confirmation of transaction or generating new block. Such a concept shall urge everyone to participate in the network more, in either the users that would like to transact or Validator who shall validate correctness and record data on blockchain. Furthermore, the rewards distributed to Validators are computed for each block and dispersed among Validators who took part in that particular block. This mechanism provides the network with an overview of KUB supply and promotes long-term network stability and security. Without this operation through the use of KUB, there would be no motivation for users to engage with the network.

Distribution of KUB[1]

Since Bitkub Chain Whitepaper V. 1.0 to Bitkub Chain Whitepaper V. 3.3, Bitkub Blockchain Technology Co., Ltd. has distributed and utilized KUB coin according to the purposes and proportions specified in the KUB Chain Whitepaper of which the distribution of KUB coin for the purposes outlined in the KUB Chain Whitepaper has resulted in significant and continuous development and growth of the KUB Chain. For example, there has been an increase in transactions, with the current number of transactions exceeding 5 billion. Also, the number of users has exceeded 3 million, and there are more projects supported from the KUB coin provided by KUB Chain.

Subsequently, due to the purpose of utilization of KUB Coin and importance of KUB coin distribution is the significant factor for the development and growth of KUB Chain and its ecosystem, the usage of KUB coin distribution must be diverse and aligned with the context of technology and the global digital asset industry in accordance with the current situation and the demands based on policies or plans for distributing KUB coin for various uses, both present and anticipated to promote development and enhance the capabilities of KUB Chain in various aspects to ensure that the utilization of KUB coin distribution is effective and maximizes the benefits for KUB Chain. Due to the aforementioned reasons, Bitkub Blockchain Technology Co., Ltd. has adjusted the distribution of KUB coin to align with the necessity of utilizing KUB coin for the benefit of KUB Chain according to its current and future development plans of which developers has consolidated the unallocated portion of the **"Community Development Fund[2]" with the unallocated portion of the "Strategic Partners Fund[3]" into a new budget named the "Sustainable Blockchain Development Fund."**, of which such consolidation will positively impact the diverse utilization of the distributed KUB coins, aligning with the strategy to ensure KUB Chain's sustainable long-term growth.

At this stage and after building upon the robust foundation established from Whitepaper V. 1.0 through V. 3.3 of which Bitkub Blockchain Technology Co., Ltd. successfully catalyzed network growth, and incubating numerous decentralized projects, then the strategic oversight, stewardship of all KUB Coin, and KUB Coin under oversight of Bitkub Blockchain Technology Co., Ltd. has been fully and completely transferred to KUB Foundation to direct its long-term sustainable growth. The details of the new KUB coin distribution scheme overseen by KUB Foundation are as follows:

Means of Distribution of KUB	Ratio to Total KUB	Amount of KUB (coin)	Period of Distribution of KUB
Ecosystem Fund	13.64%	15,000,000 KUB	Distributed 8,427,172.88 KUB
Sustainable Blockchain Development Fund	18.71%	20,586,496.24 KUB	Will be distributed for future utilization
Community Development Fund[4]	0.59%	643,543.05 KUB	Completed
Original Founders Fund	9.09%	10,000,000 KUB	Locked for a period of three years, after which they will be gradually released on an annual basis. The total lock-up period is three years, with the following release schedule: 1. In 2024, to Bitkub Capital Group Holdings Co., Ltd., as the Founder of KUB Foundation 2. In 2025 and 2026, to Bitkub Blockchain Technology Co., Ltd., as the Founder of KUB Foundation

Liquidity Provision Fund	46%	50,605,103 KUB	Completed
Strategic Partners Fund[5]	2.88%	3,164,857.71 KUB	Completed
Initial Airdrop Fund	9.09%	10,000,000 KUB	Completed
Total KUB Supply	**100%**	**110,000,000 KUB**	

- **Ecosystem Fund -** This fund is managed by KUB Foundation and used for a variety of purposes and be utilized in various forms and methods as deemed appropriate by KUB Foundation to support and promote the ecosystem of KUB Chain which includes, but is not limited to, supporting and promoting the development of various projects on KUB Chain, supporting Validator, subsidizing Gas Fees, or developing other infrastructure that will help the KUB Chain ecosystem grow sustainably in the long term.

- **Sustainable Blockchain Development Fund -** This fund is managed by KUB Foundation. This fund is derived from the consolidation of the Community Development Fund and the Strategic Partners Fund, specifically the unallocated amounts of 14,356,456.95 KUB and 6,230,039.29 KUB, respectively, as of February 11, 2025. This fund is used to manage for the benefit or advantage of the infrastructure, ecosystem, or users of KUB Chain, or to build a user network, or to promote the use of the KUB Chain network, or to establish relationships or support business partners to join the network, or for the development or growth of KUB Chain. This includes utilizing the original objectives of the Community Development Fund and the Strategic Partners Fund, such as the BKC Contributor Grant and others, as specified in previous versions of the KUB Chain Whitepaper.

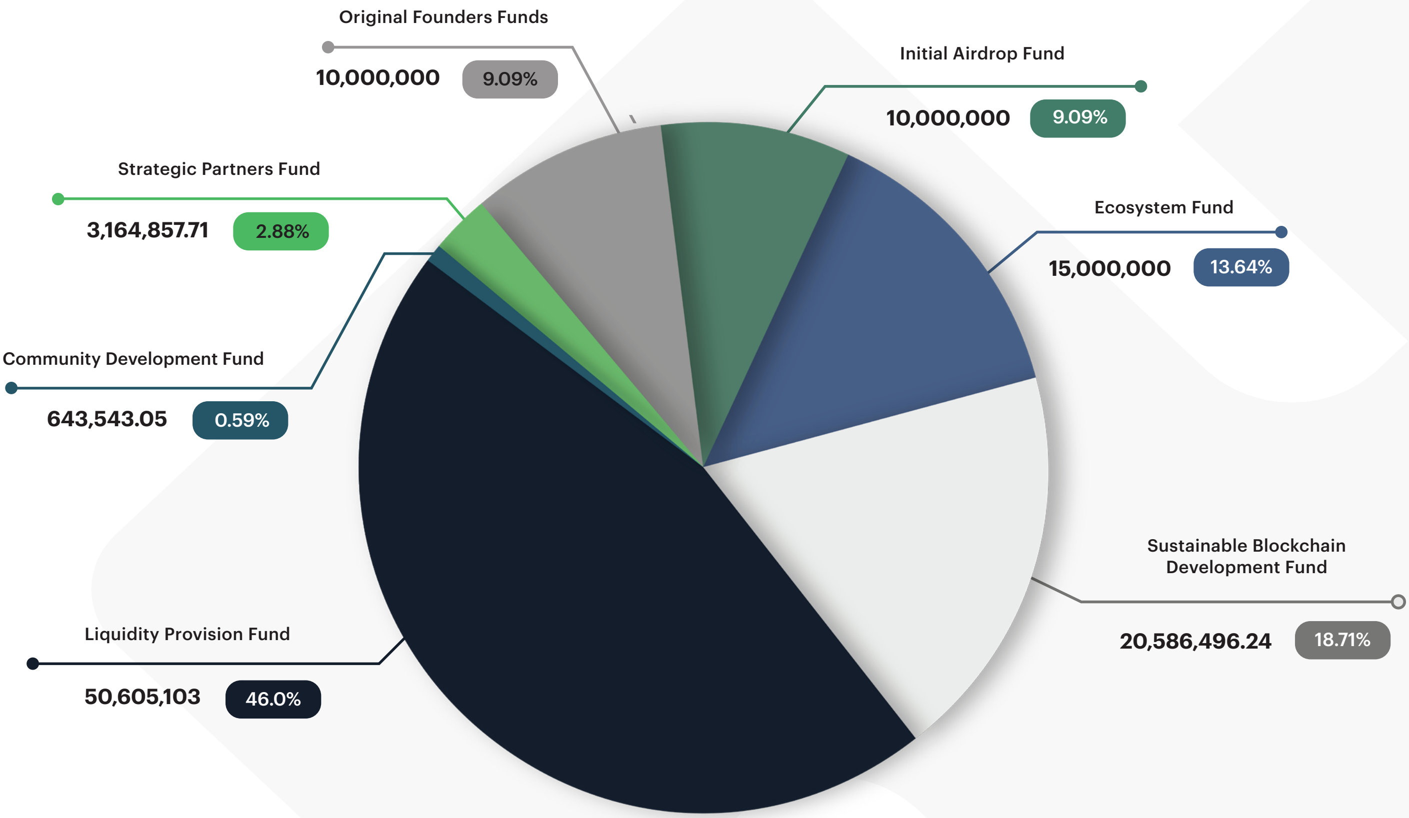
- **Community Development Fund -** This fund is managed by the KUB Chain development team with the objectives as stated in the previous Bitkub Chain Whitepaper. However, due to the aforementioned changes in KUB coin distribution, the remaining 14,356,456.95 KUB coins under this fund, which have not yet been allocated, have been incorporated into the Sustainable Blockchain Development Fund. Therefore, this budget is now considered to be fully allocated.

- **Original Founders Fund -** Originally, this specific fund was known as (1) Bitkub Blockchain Technology Reserve Fund; and (2) Bitkub Reserve Funds orderly. It was a strategic allocation intended for the companies within the Bitkub group responsible for the development and support of the KUB Chain from its very beginning, and Bitkub Blockchain Technology Co., Ltd. and Bitkub Capital Group Holding Co., Ltd. are the founders of KUB Foundation. In this KUB Chain Whitepaper 5.2, the name of this fund is changed to Original Founder Funds. The fund was divided, with one-third allocated to Bitkub Capital Group Holdings Co., Ltd. in recognition of its role in supporting and helping to build the KUB Chain during its initial phase. The remaining two-thirds were also allocated to Bitkub Blockchain Technology Co., Ltd., this time for its primary role as the KUB Chain's developer. The use of this fund is subject to the discretion of the board of directors of the company that receives the allocation.

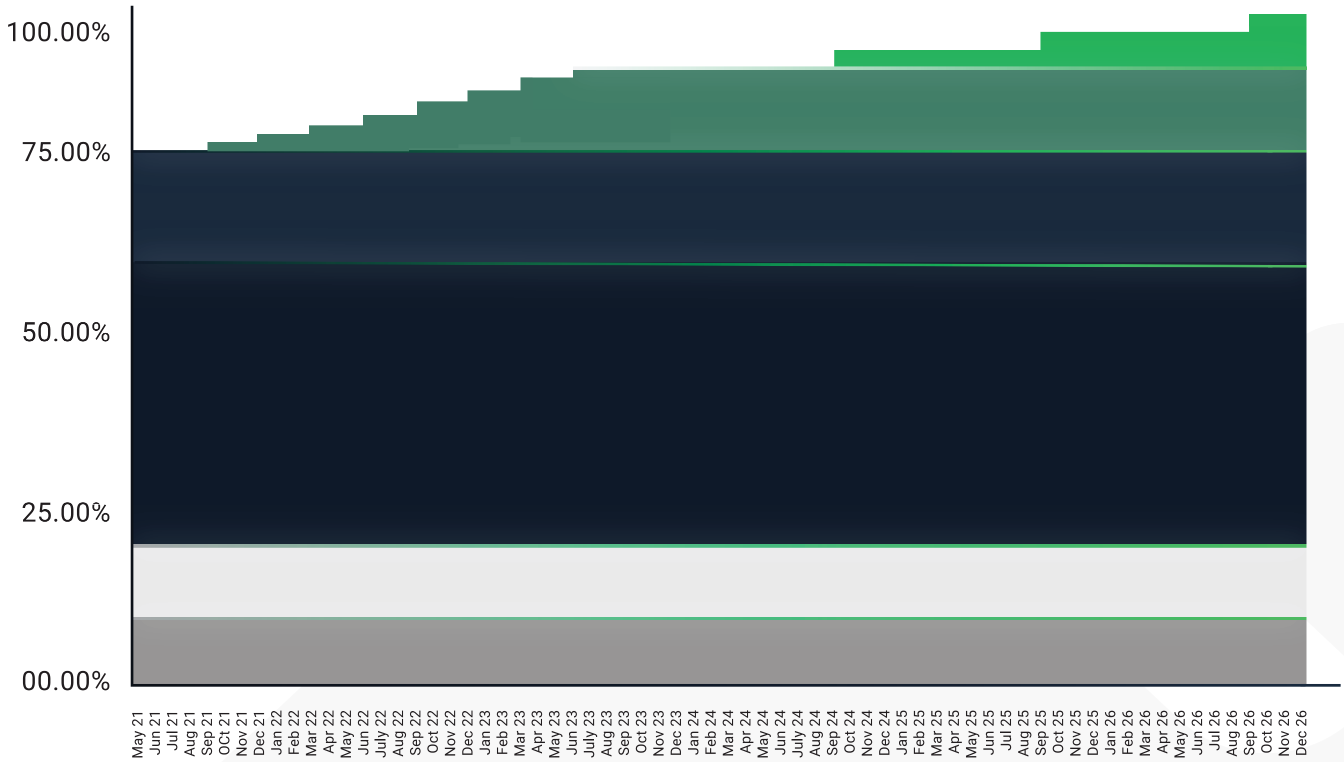
- **Strategic Partners Fund -** The remaining KUB coins under this fund have been incorporated into the Sustainable Blockchain Development Fund.

Any income or returns generated from the use of KUB coins allocated for Ecosystem Fund, Sustainable Blockchain Development Fund, will become the sole property of KUB Foundation These returns will not be considered part of the budget outlined in the KUB Chain Whitepaper. Furthermore, KUB Foundation will have the exclusive discretion to manage these profits in accordance with the Foundation's statutory purpose.

Any income or returns, in any form, generated from the use of KUB coins from the Original Founders Funds will become the sole property of each Founder of KUB Foundation that received the allocation. These returns are not considered part of the budget outlined in the KUB Chain Whitepaper. The recipient company will also have the exclusive discretion to manage these profits or returns in any manner it sees fit.



Release Schedule



Original Founders Funds

Community Development Fund

Ecosystem Fund

Liquidity Provision Fund

Strategic Partners Fund

Initial Airdrop Fund

Sustainable Blockchain Development Fund

07

KUB Burn Mechanism

KUB Chain currently employs a strategic burn mechanism that includes staking fees allocated by Delegators to Super Nodes, along with other burning mechanisms. Under the current structure, Super Nodes execute the permanent removal of these fees from circulation on a quarterly basis.

This deflationary measure is designed to systematically reduce the total circulating supply, thereby strengthening the ecosystem's tokenomics in alignment with market supply and demand dynamics.

Each quarter, a portion of ecosystem revenue is permanently removed from circulation. Every KUB burn is executed on-chain and is fully verifiable by block, with all figures above fetched directly from the KUB network. For more details, please visit: https://burn.kubchain.com/

Future Protocol Enhancements to further enhance efficiency and trust, the KUB Chain protocol is scheduled for a significant upgrade. This update will integrate a 100% automated, on-chain burn mechanism, transitioning the process from manual execution to a fully transparent, algorithmic protocol.

08

Disclaimer

PLEASE READ THIS STATEMENT CAREFULLY. IF YOU HAVE ANY QUESTIONS, YOU SHOULD CONSULT AN INDEPENDENT LEGAL, FINANCIAL, TAX, OR OTHER RELEVANT ADVISER BEFORE ACTING ON ANYTHING SET OUT IN THIS WHITEPAPER.

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References

[1] The total number of KUB coin as stated in Bitkub Chain Whitepaper V.1 was 1,000,000,000 KUB. However, Bitkub Blockchain Technology Co., Ltd. burned 890,000,000 KUB on August 9, 2021, leaving 110,000,000 KUB, as detailed in Bitkub Chain Whitepaper V.2.1 and subsequent versions.

[2] According to Bitkub Chain Whitepaper V.3.3, the total number of KUB coins under the "Community Development Fund" is 15,000,000 KUB. As of February 11, 2025, the distributed KUB coins under the "Community Development Fund" amount is 643,543.05 KUB, while the undistributed KUB coins amount is 14,356,456.95 KUB. The undistributed KUB coins will be transferred to the "Sustainable Blockchain Development Fund" as part of this KUB Chain Whitepaper V4.1.

[3] According to Bitkub Chain Whitepaper V.3.3, the total number of KUB coin under the "Strategic Partners Fund" is 9,394,897 KUB. As of February 11, 2025, the allocated KUB coin under the "Strategic Partners Fund" amounts to 3,164,857.71 KUB, and the unallocated coin amounts to 6,230,039.29 KUB. The unallocated KUB coin will be transferred to the "Sustainable Blockchain Development Fund" as part of the budget in this KUB Chain Whitepaper V4.1.

[4] "Community Development Fund" has been reduced from 15,000,000 KUB (which is 13.64% of the total KUB coin) to 643,543.05 KUB (which is 0.59% of the total KUB coin) due to the reallocation of KUB coin as outlined in this KUB Chain Whitepaper V4.1.

[5] "Strategic Partners Fund" has been reduced from 9,394,897 KUB (which is 8.54% of the total KUB coin) to 3,164,857.71 KUB (which is 2.88% of the total KUB coin) due to the reallocation of KUB coin as outlined in this KUB Chain Whitepaper V4.1.