



V5  
KUB



**KUB**

# **WHITEPAPER V5.0**

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

# 01

## Executive Summary

The KUB Whitepaper V5.0 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 aims to drive the sustainable and open expansion of the entire KUB Chain ecosystem. Its core responsibilities include actively strengthening the infrastructure, expanding network capabilities, and encouraging innovation to unlock limitations to widespread utility. Importantly, the Foundation upholds the overarching vision to enable a regional on-chain economy, empowering innovation and expanding dApp integration across the region. A strategic element supporting this global ambition is the Foundation's establishment in a prominent international hub for blockchain organizations. This strategic positioning is instrumental in achieving regulatory clarity and stability, which are necessary conditions for attracting major institutional engagement and successfully deploying sophisticated financial solutions, such as compliant Real-World Asset (RWA) tokenization and stablecoin implementation.

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



# 02

## KUB Whitepaper V5.0 Overview

**KUB Whitepaper V5.0** 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, the KUB Chain Development Team has 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.
- 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 V5.0 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

	Page
<b>1. Executive Summary</b>	1
<b>2. KUB Whitepaper V5.0 Overview</b>	2
<b>3. Table of Contents</b>	3
<b>4. Introduction to KUB Ecosystem</b>	4
4.1 About the Pioneers of KUB Chain Development	5
<b>5. KUB Chain</b>	5
5.1 Development Initiatives	5
5.2 Vision	5
5.3 Mission	5
5.4 Value Delivered to Participants	7
5.5 Technical Description	10
5.6 Related Technology	11
<b>6. KUB Coin (KUB)</b>	11
6.1 Coin Utility	11
6.2 Coin-related Economic System	11
Tokenomic Overview	11
Distribution of KUB	13
<b>7. KUB Burn Mechanism</b>	17
<b>8. Disclaimer</b>	18



# 04

## Introduction to KUB Ecosystem

### 4.1 About the Pioneers of KUB Chain Development

KUB Chain is a public blockchain network developed by Bitkub Blockchain Technology Co., Ltd., envisioned as the foundational digital infrastructure for Thailand and Southeast Asia. Built with a developer-centric philosophy, KUB Chain aims to accelerate digital transformation by optimizing the accessibility and utility of blockchain technology.

Strategic oversight is managed by the KUB Foundation, a non-profit organization dedicated to the ecosystem's sustainable and transparent growth. The Foundation focuses on scaling the network and maximizing its capabilities to realize a comprehensive vision: establishing a regional on-chain economy, fostering inclusive innovation, expanding decentralized application (dApp) integration, and driving widespread adoption across the region.

To align with international standards and ensure true decentralization, the ecosystem is undergoing a strategic structural transition. In the future, this involves a clear separation of roles between Bitkub Blockchain Technology Co., Ltd. and the KUB Foundation:

- Bitkub Blockchain Technology Co., Ltd. shifted from being the core/primary infrastructure handler of KUB Chain to becoming the technology service provider, focusing specifically on delivering technological provision for the KUB Chain. In this capacity, it will function as a specialized consultant and system integrator, dedicating its resources to developing the core technology, maintaining the network infrastructure, and creating enterprise solutions that run on top the KUB Chain.
- In the future, the KUB Foundation will assume the responsibility of Ecosystem Management. As a non-profit entity, the Foundation will oversee strategic funding (including KUB Grants), community-driven decision-making, and the transparent allocation of resources. This structure ensures that the chain's development serves the public interest rather than the objectives of a single private entity.

Once the completion and success of such transition are done, there will be announcement via the future update of this Whitepaper.

# 05

## KUB Chain

### 5.1 Development Initiatives

KUB Chain was developed to address the problems of the blockchain ecosystem at both the national and regional levels that are currently emerging. The first problem that can be found in Thailand is that Thailand still lacks a blockchain network infrastructure for the industrial sector, causing Thai entrepreneurs to rely on blockchain network infrastructure developed by foreigners, which has a relatively high Gas Fee and low transaction speed, which is an obstacle to bringing blockchain technology to practical business applications. Another problem that makes blockchain not yet widely used is that the business sector needs to have sufficient basic knowledge and technological understanding of blockchain.

KUB Chain was developed to be an infrastructure for the industrial sector and to allow individuals to become Validators to verify transactions and create new blocks on the blockchain. KUB Chain aims to support blockchain users by setting an appropriate Gas Fee while maintaining a high transaction speed that is both secure and efficient to facilitate developers of new projects, as well as promoting participation through activities and infrastructure on the KUB Chain network.

### 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 ensures 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 Southeast Asia and 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 national payment standards (such as PromptPay) ensures near-instantaneous, seamless execution for daily financial activities.

Moving beyond speculative volatility, KUB Chain enables 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.bitkubchain.io>
- Chain Id: 96
- Block Period: 5 seconds
- Gas Price: Dynamic (minimum 25 Gwei)

#### KUB Chain Testnet

- Network Name: KUB Testnet
- New RPC URL: <https://rpc-testnet.bitkubchain.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 developers plan to make further improvements in the future.



### 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 SDK

- **Online (Web 3) Wallet Support**

KUB Chain is the blockchain infrastructure that supports decentralized wallets such as Metamask, Rainbow, Rabby, Coinbase, and KUB Wallet. 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 Token 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 are entitled to receive gKUB tokens to participate in the KUB Chain community, such as voting.

### 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** = 78,000,000 KUB



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<sup>1</sup>

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.

Due to the purpose of utilizing the importance of KUB coin distribution is the important 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<sup>2</sup>” with the unallocated portion of the “Strategic Partners Fund<sup>3</sup>” 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. The details of the new KUB coin distribution 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 <sup>4</sup>	0.59%	643,543.05 KUB	Completed
Bitkub Reserve Funds	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. 2. In 2025 and 2026, to Bitkub Blockchain Technology Co., Ltd

KUB Coin is a utility token and not a stock or any form of security. Holding KUB Coins does not confer ownership rights or any other benefits in Bitkub Blockchain Technology Co., Ltd. or its affiliated companies within the Bitkub Group. The KUB Chain Whitepaper is not a prospectus or an investment offering document in any form, nor does it constitute an offer to sell securities or a solicitation to invest in securities in any jurisdiction



Liquidity Provision Fund	46%	50,605,103 KUB	Completed
Strategic Partners Fund <sup>5</sup>	2.88%	3,164,857.71 KUB	Completed
Initial Airdrop Fund	9.09%	10,000,000 KUB	Completed
<b>Total KUB Supply</b>	<b>100%</b>	<b>110,000,000 KUB</b>	

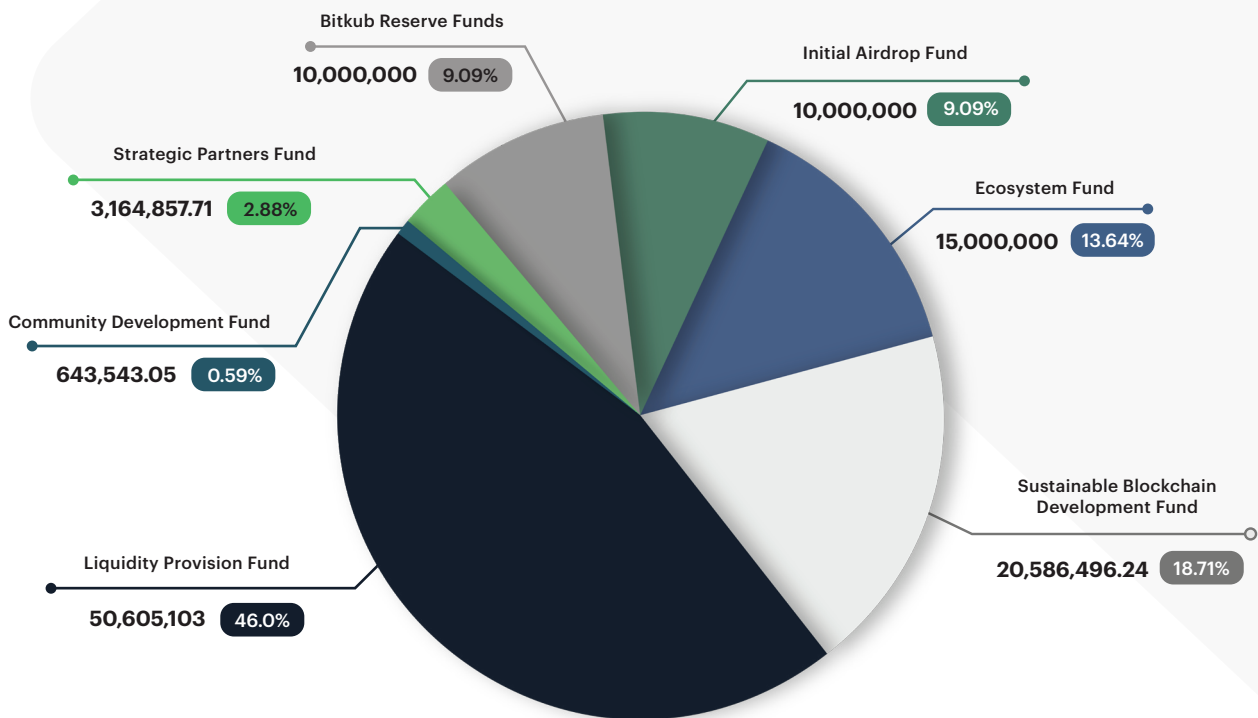
- **Ecosystem Fund** - This fund is managed by KUB Chain Development Team and used for a variety of purposes and be utilized in various forms and methods as deemed appropriate by KUB Chain Development Team to support and promote the ecosystem of KUB Chain which includes, but is not limited to, supporting 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 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 budget will be managed by KUB Chain Development Team and used for any actions deemed appropriate by KUB Chain Development Team 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.
- **Bitkub Reserve Funds** - Originally, this specific fund was known as the Bitkub Capital Group Holdings Reserve Fund. 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. 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.
- **Liquidity Provision Fund** – This fund is managed by KUB Chain Development Team to support the liquidity of KUB on the first trading day in the Bitkub Exchange. On August 9, 2021, a total of 49,394,897 KUB that were initially locked were burned. Meanwhile, the remaining 50,605,103 KUB that had already been purchased continue to circulate in the digital asset market as usual.



- **Strategic Partners 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 6,230,039.29 KUB coins under this budget, 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.
- **Initial Airdrop Fund** - This fund was managed by Bitkub Exchange to use as the fund for KUB distribution for Bitkub Exchange customers who had minimum collective purchase volume that met the criteria and time as set out by Bitkub Exchange. This fund was completely dispersed at the beginning of KUB’s launching period.

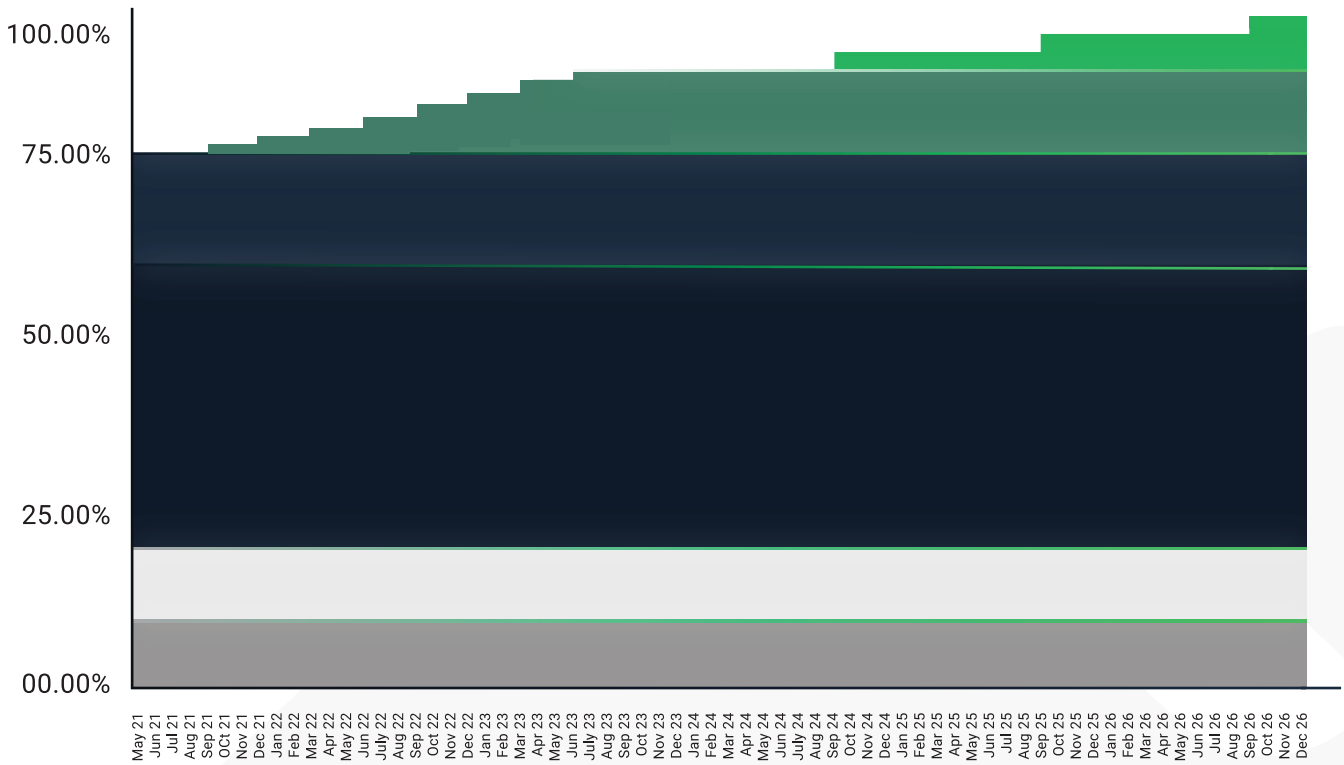
Any income or returns generated from the use of KUB coins allocated for Ecosystem Fund, Sustainable Blockchain Development Fund, Community Development Fund, and Strategic Partners Fund will become the sole property of Bitkub Blockchain Technology Co., Ltd. These returns will not be considered part of the budget outlined in the KUB Chain Whitepaper. Furthermore, Bitkub Blockchain Technology Co., Ltd. will have the exclusive discretion to manage these profits or returns in any manner it deems appropriate.

Any income or returns, in any form, generated from the use of KUB coins from the Bitkub Reserve Funds will become the sole property of the specific Bitkub Group company 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



- Bitkub Reserve Funds
- Community Development Fund
- Ecosystem Fund
- Liquidity Provision Fund
- Strategic Partners Fund
- Initial Airdrop Fund
- Sustainable Blockchain Development Fund

KUB Coin is a utility token and not a stock or any form of security. Holding KUB Coins does not confer ownership rights or any other benefits in Bitkub Blockchain Technology Co., Ltd. or its affiliated companies within the Bitkub Group. The KUB Chain Whitepaper is not a prospectus or an investment offering document in any form, nor does it constitute an offer to sell securities or a solicitation to invest in securities in any jurisdiction.

# 07

## KUB Burn Mechanism

---

KUB Chain currently employs a strategic burn mechanism targeting staking fees allocated by Delegators to Super Nodes. 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.

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 THE FOLLOWING STATEMENT CAREFULLY.  
IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT A LEGAL,  
FINANCIAL, TAX, OR OTHER RELEVANT ADVISER.**

This KUB Chain Whitepaper has been prepared to describe the present facts and circumstances at the time of document preparation, as well as future plans related to KUB Chain and the KUB Chain ecosystem based on facts and circumstances at the time of document preparation only. Bitkub Blockchain Technology Co., Ltd. reserves the right to edit, update, or revise any statement in this KUB Chain Whitepaper.

Please note that the plans relating to KUB Foundation are currently in a transitional state and are specified herein with the wording 'in the future'. The migration of the ecosystem to KUB Foundation remains in progress and shall be done in the future.

Although this document has been prepared with intention and care to ensure that information, as presented in this document, is correct and up to date. The information presented under this document may have some parts that are not complete or inaccurate, especially events or operational plans in the future which may be occurred from risk factors including unforeseen events in the future such as limitation or mistake of technology, limitation of law or measurement to control market forces, discretion of Bitkub Group, inaccuracy of information of future circumstances that is changed from any forecast as expected. Bitkub Blockchain Technology Co., Ltd. does not warrant the correctness, completeness, validity and reliability of information as specified in this document and Bitkub Blockchain Technology Co., Ltd., its executives, employees, representatives including any other relevant person of Bitkub Blockchain Technology Co., Ltd. shall not be responsible if any person is damaged (by either foreseeable or unforeseeable circumstance) by using such information as a reference, interpreting, publishing, or doing any act by relying or referring to information as specified in this document without careful consideration.

This document is not prepared for the purpose of soliciting or persuading investment or providing advice relating to investment or trading of KUB or investment in assets or securities, and KUB is the instrument that makes its holder having rights and participation in the KUB Chain ecosystem only.

This document is not deemed as investment-related documents in any case and does not have the purpose for soliciting or persuading investment or trading of KUB or relevant assets, and KUB is the instrument that gives its holder the right to participate in KUB Chain ecosystem only.



### 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.