

# **BKM Blockchain Project White Paper - Empowering Global Health Industry Payments**

## **I. Project Background**

Against the backdrop of the booming global health industry, cross-border medical services, health product trade, and other activities are becoming increasingly frequent. However, the global payment system in this field still has many pressing issues to address. Traditional payment methods involve complicated processes, high handling fees, long settlement cycles, and significant exchange rate fluctuation risks, which severely restrict the global flow and integration of resources in the health industry and inconvenience people in accessing cross-border health services.

Birkmaye (BKM), as a world-renowned biomedical family, has achieved remarkable results over the past 40 years. Its research achievements have won patents and invention awards in more than 50 countries, including the United States, China, Japan, and Germany. In the family, Walther Birkmayer is the inventor of L-DOPA, a drug for Parkinson's syndrome; his son, Professor George D. Birkmayer, is known as the "Father of NADH" and a

pioneer in NADH clinical research.

The NADH developed by the BKM family has been applied by millions of people with great success and is globally recognized as applicable to skin conditions, tumors, sleep disorders, menopause, depression, Alzheimer's disease, and various chronic diseases. It is hailed as the "King of Anti-aging" and "the closest thing to an elixir of immortality." Currently, the BKM family's businesses and resources cover 26 countries and regions worldwide, including medical institutions, health and wellness bases, resorts, international rescue organizations, educational institutions, cultural centers, and public welfare organizations, laying a solid foundation for the global application of BKM.

However, in the process of expanding the BKM family's global business, they also face problems with global payments, which hinder the efficient sharing of medical technology resources and the further improvement of the health ecosystem. Against this background, to integrate global health and medical resources and layout a global health ecosystem, the BKM family has decided to issue BKM, an ecological token for health applications, in July.

Application in the health industry is crucial for BKM to form an ecosystem. The integration of different health industry resources

and the implementation of application scenarios will continuously extend and amplify the value of BKM. In the future, BKM can be used for paying medical services, purchasing health products, and using medical equipment within the Birkmaye family's global medical technology resources. With the support of blockchain technology, it has the characteristics of digitization, traceability, and immutability. As blockchain technology continues to develop and market demand in the medical and health field grows, BKM will provide financial support for innovation and development in the medical and health field, offering new possibilities for digital transactions and innovative development in the medical and health sector.

By 2025, the cryptocurrency market will no longer be a casino for speculators but a core force reshaping the global financial system and technological foundation. Those already involved are increasing their investment, while onlookers are scrambling to catch up. BKM is crossing the isolated island of the crypto asset ecosystem and moving towards broader circulation and application scenarios, aiming to solve the payment problems in the global health industry with blockchain technology and 助力 the construction and development of the BKM family's global health ecosystem.

## II. Project Introduction

### **(I) Project Name**

#### **HealthLink Chain and its exclusive token "BKM"**

### **(II) Project Mission**

Relying on blockchain technology, we aim to build a new global payment ecosystem for the health industry, focusing on solving the payment problems in the global health industry. We will help the Birkmaye (BKM) family integrate global health and medical resources, layout a global health ecosystem, promote the international development of human health undertakings, and contribute to improving the health level of all mankind.

### **(III) Project Vision**

To become the most influential blockchain payment solution in the global health industry, making cross-border health service payments as convenient as local payments, promoting the efficient flow and integration of global health resources, realizing the wide application of "BKM" in the global health industry, and helping the Birkmaye (BKM) family build a more perfect and influential global health ecosystem.

## **III. Token Design**

### (I) Token Name

BKM

### (II) Total Token Supply

The total supply of BKM is set at 723 million tokens to adapt to the market size of the health industry and the development needs of the project.

### (III) Token Allocation

Circulating portion: 210 million tokens, accounting for approximately 29.05% of the total supply. This portion of tokens is used for initial market circulation, for users to use in transactions related to the health industry, promoting the application of BKM in actual scenarios, and increasing its market activity.

Locked-up portion: 513 million tokens, accounting for approximately 70.95% of the total supply. The specific allocation is as follows:

Project team: 108.73 million tokens, accounting for approximately 21.2% of the locked-up total, with a lock-up period of 3 years, and 36.24 million tokens unlocked each year. This ensures that team members are stably engaged in project construction for a long time and avoids the impact of short-term selling on the token price.

Strategic investment: 182.14 million tokens, accounting for approximately 35.5% of the locked-up total, used to attract strategic partners in the global health industry, with a lock-up period of 2 years. By introducing strategic investment, we can obtain financial and resource support to accelerate the development and expansion of the project.

Ecological construction: 146.57 million tokens, accounting for approximately 28.6% of the locked-up total, used to build a health industry payment ecosystem, including incentivizing merchants to access, users to use, and partners to promote. Continuously improve the ecosystem to expand the application scope and influence of BKM.

Reserved reserve: 75.56 million tokens, accounting for approximately 14.7% of the locked-up total, serving as an emergency reserve to cope with unforeseen circumstances such as market fluctuations and technological upgrades. It is uniformly managed by the project foundation to ensure the stable operation of the project.

#### **(IV) Token Uses**

Payment function: In the Birkmaye family and its cooperating global health industry-related institutions, such as medical institutions and

health and wellness bases, BKM can be used to pay for various expenses such as medical services, health products, and medical equipment, providing a convenient channel for cross-border payments.

Incentive mechanism: Users who pay with BKM can receive a certain proportion of token rewards; cooperating merchants that access the "HealthLink Chain" payment system and actively promote it can also receive token incentives, thereby enhancing the participation of users and merchants and promoting the prosperity of the ecosystem.

Value storage: With the development of the project and the continuous expansion of BKM's application scenarios in the health industry, its value is expected to grow steadily, serving as a value storage tool to bring returns to investors.

## **IV. Technical Architecture**

### **(I) Underlying Technology**

A hybrid architecture combining alliance chain and public chain is adopted. The alliance chain part is composed of nodes from the Birkmaye family and important partners, ensuring the security and compliance of transactions, and is suitable for processing internal core business data and large-value transactions; the public chain

part ensures the openness and circulation of tokens, facilitating global user participation and use.

## (II) Core Technical Advantages

**Decentralization:** Utilizing the decentralized nature of blockchain to eliminate intermediate links, reduce intermediary institutions in the payment process, lower payment costs, and improve payment efficiency.

**Immutability:** All transaction records are recorded on the blockchain and cannot be tampered with, ensuring the authenticity and traceability of payment information and providing reliable credentials for cross-border transactions in the health industry.

**Smart contracts:** The payment process is automatically executed through smart contracts. When preset conditions are met, such as the completion of medical services or product delivery, funds are automatically transferred, improving the timeliness and accuracy of payments.

**Privacy protection:** Advanced encryption technology is used to encrypt user identity information and transaction data, ensuring transaction transparency and traceability while protecting user privacy and security.

## **V. Application Scenarios**

### (I) Cross-border Medical Service Payment

When patients receive cross-border medical services in medical institutions under the Birkmaye family or cooperating international medical institutions, they can use BKM for payment, avoiding the cumbersome process and high costs of traditional currency exchange, improving payment efficiency, and allowing patients to focus more on health services.

### (II) International Trade Payment for Health Products

When the Birkmaye family conducts international trade in health products, both buyers and sellers can complete payments through BKM. The immutability and traceability of blockchain technology ensure the safety and reliability of transactions, reduce transaction risks, and promote the cross-border circulation of health products.

### (III) Payment for Medical Equipment Use

Users can conveniently pay with BKM when using medical equipment provided by the Birkmaye family and can also receive corresponding token rewards, enhancing user stickiness and promoting the popularization and use of advanced medical equipment.

### (IV) Fund Settlement Between Partners

When the Birkmaye family conducts business with other partners in the health industry, funds are settled through BKM, simplifying the settlement process, shortening the settlement cycle, improving capital turnover efficiency, and promoting win-win development between cooperating parties.

## **VI. Development Plan**

### **(I) Short-term Plan (1-2 years)**

Complete the development and testing of the underlying technology of "HealthLink Chain" to ensure the stability and security of the system, providing technical support for the circulation and application of BKM.

Promote the listing of BKM on relevant trading platforms, complete the market launch of the initial 300 million circulating tokens, pilot the application of BKM payment within the Birkmaye family and among core partners, collect user feedback, and optimize system functions.

Build the "HealthLink Chain" community, carry out marketing activities to increase the project's popularity and influence, and attract more users and merchants to participate.

### **(II) Medium-term Plan (3-5 years)**

Gradually unlock the locked-up BKM and reasonably adjust the circulation volume according to market development. Expand the application scope of BKM to cover more health industry-related institutions and business fields, such as health and wellness base services and international rescue services.

Reach cooperation with more international health enterprises, promote BKM to health markets in more countries and regions worldwide, and enhance its international influence.

Continuously optimize the technical architecture, improve the system's processing capacity and security to adapt to the growing transaction demand and ensure users' transaction experience.

### (III) Long-term Plan (More than 5 years)

Make BKM a widely recognized and used payment tool in the global health industry, promote the globalization of the health industry, and help the Birkmaye family further improve the global health ecosystem.

Rely on the "HealthLink Chain" platform to integrate global health resources, realize the sharing and utilization of health industry data, and make greater contributions to human health undertakings.

Continuously innovate technologies and service models, maintain the project's leading position in the blockchain + health field, and

respond to industry changes and market challenges.

## **VII. Risk Analysis and Response Measures**

### **(I) Technical Risks**

Blockchain technology is still evolving and may face risks such as technical vulnerabilities and hacker attacks, affecting the security and stability of the system.

Response measures: Establish a professional technical team to strengthen technical research and development and security protection, conduct regular system vulnerability detection and upgrades; cooperate with well-known blockchain security institutions, introduce advanced security technologies and solutions, and establish a sound security emergency mechanism to ensure the security of users' assets and transaction information.

### **(II) Regulatory Policy Risks**

Regulatory policies on blockchain and cryptocurrencies vary across countries and regions, which may restrict the project's development, such as prohibiting token transactions and limiting application scenarios.

Response measures: Pay close attention to global regulatory policy trends to ensure that project operations comply with local laws and

regulations; actively communicate and cooperate with regulatory authorities, participate in the formulation of industry standards, promote the standardized development of the industry, and improve the project's compliance.

### (III) Market Acceptance Risks

Market acceptance of BKM may be lower than expected, and users and merchants may have concerns about using tokens for payment, affecting the project's promotion and application.

Response measures: Strengthen market publicity and education, popularize blockchain knowledge and the advantages of BKM through online and offline channels, improve users' awareness and trust in BKM; optimize the payment process, provide more preferential policies and incentive measures to attract users and merchants to try using BKM, and gradually improve market acceptance.

### (IV) Exchange Rate Fluctuation Risks

The value of BKM may be affected by factors such as market supply and demand and macroeconomic environment, leading to exchange rate fluctuations, which may bring losses to users and investors.

Response measures: Establish a reasonable token issuance and

circulation mechanism, stabilize the token's value through ecological construction and expansion of application scenarios; set up a risk reserve fund, take corresponding market adjustment measures when the price of BKM fluctuates significantly to reduce the negative impact of fluctuations. At the same time, guide users to rationally view token price fluctuations and focus on its value in practical applications.

## **VIII. Conclusion**

This blockchain project based on token payment aims to solve the payment problems in the global health industry. Relying on the Birkmaye family's profound resources and influence in the health industry and leveraging the advantages of blockchain technology, it issues BKM tokens and builds an on-chain payment platform. We believe that through the joint efforts of all parties, this project will inject new vitality into the development of the global health industry, realize the efficient cross-border integration of the health industry, contribute to human health undertakings, and bring considerable returns to investors, creating a better future for the health industry.