GOLDEN DIGITAL BLOCKCHAIN

Whitepaper

Gdb.Today

CONFIDENTIAL

8 February 2025

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1. Project Introduction

1.1 GOLDEN DIGITAL BLOCKCHAIN is a decentralized smart real estate RWA (Real-World Asset) ecosystem designed to reshape the tokenization landscape of real-world real estate. This protocol and community governance project is built through a collaboration between Dubai Blue Elephant RWA service providers, top global capital, technology teams, and communities. It integrates blockchain and artificial intelligence to unleash the full potential of real estate RWA. By converting physical assets into digital tokens, tokenized assets can be more easily traded and transferred with faster transaction speeds and lower costs. Additionally, blockchain technology ensures asset transparency and decentralization, increasing trust and reducing risks. The real

estate RWA tokenization market allows for 24/7 uninterrupted trading, not restricted by time or geographic location, providing investors with greater flexibility and convenience. Moreover, a complete DAO (Decentralized Autonomous Organization) value space will be built for the global community and users, returning financial and control rights to the public and enabling collective wealth growth.

The Dubai Blue Elephant RWA service provider is incubated and invested by the top global foundation, AIX. AIX is the world's first decentralized private fundraising platform, built with the involvement of OpenAI Incorporated, Microsoft M12, NVIDIA Corporation, and the Inception Program. AIX combines traditional financial investment models with the issuance of crypto-digital assets to empower the entire investment and financing process for enterprises. It maximizes the community's resource-driven voting decisions, promoting the closed-loop construction of a self-governed investment and financing ecosystem. This allows every community user to become a creator and owner of the AIX system, ensuring that the wealth linked to AIX is effectively distributed among all participants.

GDB is an ERC-20 utility token designed to support a decentralized and efficient real estate investment ecosystem. The design of GDB is based on the veTokenomics and ve(3,3) model, aimed at incentivizing liquidity provision, governance participation, and staking rewards on the GOLDEN DIGITAL BLOCKCHAIN platform. This tokenomics structure, by adjusting incentives for governance, liquidity provision, and long-term participation, fosters a highly active and engaged community. We reserve the right to make adjustments to the tokenomics, exchange development, GDB tokens, and their utility in the future as needed. Therefore, the information provided in this document may change at the sole discretion of GOLDEN DIGITAL BLOCKCHAIN.

1.2 GOLDEN DIGITAL BLOCKCHAIN Platform Blockchain Ecosystem

The GOLDEN DIGITAL BLOCKCHAIN ecosystem offers a comprehensive set of functions, including the RWA Launchpad, decentralized exchange (DEX), centralized exchange (CEX), index funds, and dual-asset structured funds. GOLDEN DIGITAL BLOCKCHAIN provides investors with a variety of private market opportunities and secondary market investment channels.

- Real Estate RWA Launchpad:This platform is a channel for both retail and institutional investors to engage in early-stage investments. It leverages blockchain technology to provide a secure, transparent, and compliant environment for tokenized real estate and other tokenized assets. Integration with existing financial systems is crucial for driving the adoption of RWA tokenization. GOLDEN DIGITAL BLOCKCHAIN uses oracles to establish a seamless connection between the blockchain environment and traditional financial infrastructure. These integrations allow assets and value to be efficiently transferred between GOLDEN DIGITAL BLOCKCHAIN and traditional financial entities, bridging decentralized and centralized financial operations.

- Real Estate RWA Decentralized Exchange (DEX):This exchange will offer order book and automated market maker (AMM) functions across different jurisdictions, enabling investors

to trade and eventually lend real estate on the blockchain. RealEstate.Exchange draws inspiration from existing decentralized exchanges (DEXs) like Balancer and decentralized finance (DeFi) lending platforms like Aave, adding an identity layer (verifiable credentials). All wallets interacting with security tokens must be whitelisted on-chain to ensure compliance when trading and lending real estate tokens. GOLDEN DIGITAL BLOCKCHAIN's RWA Chain adopts Optimistic Rollups technology, which simplifies transaction processing for real-world asset tokenization. Unlike zk-rollups, which generate cryptographic proofs for each transaction, Optimistic Rollups assume transactions are valid by default and submit them to the Ethereum mainnet without initial verification. This approach significantly accelerates transaction processing since it avoids generating costly proofs. The Rollup bundles hundreds of transactions into one on Layer 1. This packaging method can reduce gas fees by up to 100 times, as costs are shared across all users in the Rollup. As the number of users increases, gas fees will continue to decrease. GOLDEN DIGITAL BLOCKCHAIN RWA Chain is built on the Bedrock version of the OP Stack. Bedrock is highly compatible with Ethereum, with only minor differences in opcodes, block structure, network specifications, and fees. This compatibility allows developers to seamlessly use existing EVM-compatible smart contracts on the RWA Chain to create complex protocols and automation.

- Real Estate RWA Centralized Exchange (CEX):A centralized platform for token trading, ensuring ample liquidity.

- Index Creation and Management:Providing services for creating and managing tokenized indices, helping investors simplify the investment process.

- Dual-Asset Structured Fund:A hybrid investment tool that combines real estate investments with Bitcoin purchases.

1.3 GOLDEN DIGITAL BLOCKCHAIN will utilize the same compliance mechanisms to provide a safe and reliable experience for both users and issuers on the platform. GOLDEN DIGITAL BLOCKCHAIN has a unique competitive advantage in bringing this product to market due to its connections with real estate developers, real estate asset managers, and a wide range of investors, as well as its deep understanding of global securities regulations.

2. GDB Practical Features and Governance Model

2.1 GDB Aims to Be the Core Infrastructure for Real-World Asset (RWA) Tokenization in Real Estate

GDB aims to become the core infrastructure for real estate RWA tokenization, enabling the seamless trading and liquidity provision of real-world assets on the blockchain. By integrating real estate tokens with utility tokens in a user-friendly interface 一 namely, the GOLDEN DIGITAL BLOCKCHAIN (GDB) 一 GDB enhances accessibility and efficiency in the decentralized finance (DeFi) space.

veTokenomics (i.e., lock-up voting tokenomics) is a model that encourages long-term participation. The longer users lock up their tokens, the more voting power and rewards they receive. In the GDB ecosystem, this model is implemented through veGDB, which is the version of the GDB token that is locked. Users can lock their GDB tokens for a certain period of time to receive veGDB, with longer lock-up times resulting in greater voting power and reward increases.

veGDB holders can participate in key governance decisions, such as token issuance plans, and vote on which real estate RWA projects should be launched on the platform. This model aligns incentives with long-term commitment, helping reduce token circulation and supporting a stable, community-driven ecosystem.

veTokenomics was first promoted by the decentralized exchange Curve Finance, which focuses on stablecoin trading. Curve introduced the concept of locking tokens in exchange for voting rights (veTokens) to determine governance and reward distribution. This mechanism encourages long-term participation, curbs short-term speculation, and helped Curve build strong liquidity and community consensus. Since then, many DeFi protocols have adopted the veTokenomics model in hopes of replicating its success in incentive alignment and ecosystem sustainability.

For more information, please refer to: https://cointelegraph.com/news/what-is-vetokenomics-and-how-does-it-work

Key Uses of GDB in the Future include:

● Liquidity Provision: GDB provides liquidity to decentralized exchanges, ensuring that real estate-backed tokenized assets can be efficiently traded and their prices remain stable.

● Real Estate Project Launch Voting: veGDB holders can vote on which new real estate projects should be tokenized and launched on the platform.

● Collateralized Lending: Users can use real estate-backed tokens as collateral to borrow funds, thereby unlocking liquidity without selling their assets.

● Governance Participation: veGDB holders have governance rights over key decisions in the ecosystem, such as token issuance schedules, liquidity incentive plans, and platform development direction. The voting power is determined by the amount of veGDB held and the lock-up duration.

● Staking and Yield Generation: Users can stake GDB tokens to earn rewards from the platform's revenue sources or stake GDB LP (liquidity provider) tokens to earn veGDB and additional GDB rewards. Long-term staking can also lead to reward multipliers through incentive mechanisms.

This framework not only enhances liquidity and governance mechanisms but also incentivizes

active user participation, thus building a sustainable and vibrant real estate DeFi ecosystem.

2.2 Liquidity

Automated Market Makers (AMM) and Liquidity Pools: These functions are crucial for facilitating secondary market transactions by providing the necessary liquidity for smooth trade execution.

Liquidity Mining: Users earn token rewards by depositing assets into liquidity pools, incentivizing participation and enhancing the overall liquidity of the platform.

Fractionalized NFTs: This feature promotes crowdfunding and micro-investment by enabling fractional ownership of tokenized assets, making assets that were previously inaccessible available to a broader investor base.

2.3 Trading

GDB and Real-World Asset (RWA) tokens provide asset holders with flexible ways to easily create and manage their own market-making strategies. By tokenizing real estate assets on-chain, real estate asset holders can perform initial issuances and simultaneously provide liquidity for the trading of their real estate tokens. This eliminates complexity and offers convenient access for retail investors, fund managers, and digital-native investors globally, enabling them to freely provide liquidity and trade in liquidity pools. Additionally, this allows asset holders to develop a new source of income by acting as liquidity providers for their own assets.

2.4 Earnings

Investors holding GDB and real estate asset holders will be able to add their tokens to liquidity pools on decentralized exchanges and earn income through trading fees and rewards from the GDB treasury.

2.5 Lending

By tokenizing real estate and making it liquid, we incentivize investors to become liquidity providers and earn revenue from transaction fees. At the same time, we make real estate prices publicly readable, making lending possible. By collaborating with protocols like Aave, we will allow investors and holders of real estate tokens to apply for loans using cryptocurrencies like USDT and DAI provided by lending platforms. To obtain a loan, borrowers must provide real estate tokens as collateral, with different assets having varying loan-to-value (LTV) ratios and liquidation thresholds. The specific parameters can be referenced from Aave's risk settings.

2.6 Artificial Intelligence (AI)

AI can significantly enhance GOLDEN DIGITAL BLOCKCHAIN by providing accurate market analysis, intelligent risk assessments, and efficient compliance and verification processes. AI can offer personalized investment recommendations based on user preferences and historical data, improving user engagement and decision-making abilities. AI algorithms can also optimize trade execution to ensure the best prices and minimize slippage. Furthermore, AI can continuously improve and innovate by learning from user interactions and market data. In the future, GOLDEN DIGITAL BLOCKCHAIN will revolutionize the discovery, trading, investment, and compliance of real

estate by utilizing AI technology, offering an exceptional user experience within the blockchain ecosystem.

2.7 Big Data

The GOLDEN DIGITAL BLOCKCHAIN platform leverages advanced data management and ingestion technologies to simplify the tokenization process of real-world assets. It collects comprehensive market data through its L2 rollup and enhances it through APIs from top-tier data providers. This data includes asset prices, market capitalization, trading volume, and detailed blockchain analytics. Big data plays a transformative role within GOLDEN DIGITAL BLOCKCHAIN. It enables the platform to provide deep market insights that assist in strategic decision-making. By monitoring tokenization trends, evaluating the performance of tokenized assets, and offering predictive market analysis, GOLDEN DIGITAL BLOCKCHAIN enables asset managers, institutional investors, and all stakeholders involved in the tokenization process to make more informed decisions. This is key to the success of the ecosystem.

3.   Tokenomics

3.1 We are building the GOLDEN DIGITAL BLOCKCHAIN ecosystem, aiming to enable investors to easily buy and sell real estate assets on the blockchain and engage in lending through collateralized real estate-backed tokens. The GDB token (GDB) will be the core of the platform, providing liquidity for investors and creating a low-cost, fast, and secure way to trade real estate on the blockchain while facilitating decentralized finance (DeFi) lending. GDB is a platform utility token that rewards liquidity providers and acts as a bridge asset when trading and lending real estate tokens on the GOLDEN DIGITAL BLOCKCHAIN platform.

3.2 Token Features

- Symbol: GDB
- Network: ERC-20, issued on the Ethereum (ERC20) network
- Token Supply: 100,000,000,000,000
- Accepted Currencies: ETH, BTC, USDT
- Seed Token Sale: $41,700,000, price of $0.00000417 per GDB token
- Private Token Sale: $100,000,000, price of $0.000005 per GDB token

Token Distribution
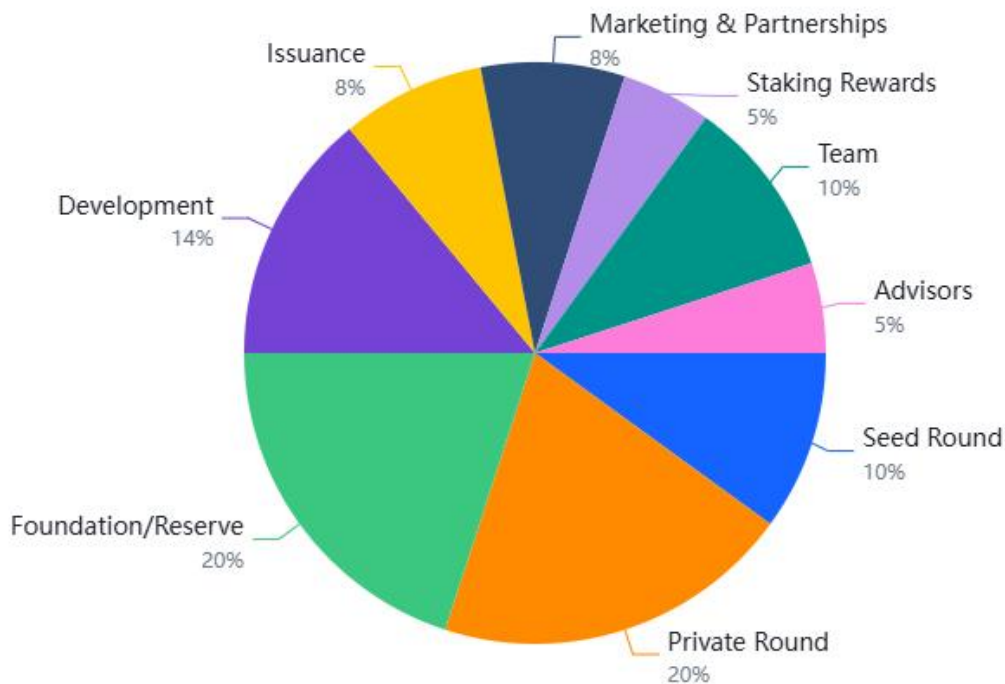
Seed Round (10%): Allocated to early angel investors and seed investors.

Private Round (20%): Allocated to private investors.

Foundation/Reserve (20%): Reserved for future development and platform sustainability.

Development (14%): Specifically for the technical development and continuous improvement of the platform.

Issuance (8%): For liquidity and ecosystem expansion.

Staking Rewards (5%): For rewarding users who stake GDB tokens.

Marketing & Partnerships (8%): Supports promotional activities and strategic partnerships.

Team (10%): Reserved for core team members who contribute to the success of GDB.

Advisors (5%): Reserved for advisors who contribute to the success of GDB.

3.3 Token Sale

We have two rounds of token sales: the Seed Round and the Private Round.

If any tokens are not sold during either round, the unsold tokens will be stored in a treasury and will only be activated when we find solid use cases to further drive the development of the community and ecosystem, such as developer rewards, airdrops, and other special purposes to promote the adoption of GDB. Alternatively, they may be destroyed based on governance decisions. However, the management and allocation of GDB may be adjusted at the sole discretion of GOLDEN DIGITAL BLOCKCHAIN.

3.4 Circulating Supply

We plan to lock the tokens in the pool for a period of time to prevent any market manipulation (such as "pump and dump") and to ensure that GDB and the GOLDEN DIGITAL BLOCKCHAIN

platform can run smoothly when new features are launched — please refer to the vesting schedule below. Any GDB tokens that are not circulated in the market after 36 months will remain in the reserve fund and will not enter the circulating supply.

3.5 Vesting Schedule

The allocated tokens will be unlocked according to a schedule to ensure that all participants in GDB remain motivated to continue building a prosperous ecosystem and community. GDB will follow a predetermined, structured release plan to ensure long-term sustainability:

- **Seed Round:** 100% unlocked at the Token Generation Event (TGE).
- **Private Round: 100% unlocked at the Token Generation Event (TGE).**
- **Foundation/Reserve:** 5% unlocked at TGE, with the remainder gradually unlocking linearly over 36 months, with a 6-month cliff period.
- **Development:** 20% unlocked at TGE, with the remainder gradually unlocking linearly over 36 months, with a 6-month cliff period.
- **Issuance:** Gradually released linearly over 36 months.
- **Marketing & Partnerships:** Gradually released linearly over 36 months.
- **Staking Rewards:** Gradually released linearly over 36 months.
- **Team:** 100% locked at TGE, with a 12-month cliff period, then gradually unlocking linearly over 36 months.
- **Advisors:** 100% locked at TGE, with a 12-month cliff period, then gradually unlocking linearly over 36 months.

4. Issuance

4.1 We plan to issue a utility token and promote the issuance of real estate asset-backed tokens:

- **GDB Token:** ERC-20 Token
- **Real Estate RWA Token:** RWA Token based on ERC-3643 or ERC-4626

4.2 Issuance and Distribution of the GDB Token (ERC-20)

We plan to conduct a token generation event (TGE) in collaboration with one or more partners, and we will engage consultants during the private sale phase to guide us through the initial token private placement.

4.3 Issuance of Real Estate RWA Tokens (ERC-3643 or ERC-4626)

For the issuance of RWA tokens, we will use software capable of issuing ERC-3643 or ERC-4626 tokens in a compliant manner — such as the WHITE-LABEL technology of the GOLDEN DIGITAL BLOCKCHAIN Real Estate RWA Launchpad platform. This technology is built with permission management/whitelisting features to ensure compliance with transfer restrictions.

5. Integration

5.1 GOLDEN DIGITAL BLOCKCHAIN is more than just a platform for tokenizing real estate RWAs.

By leveraging partnerships and offering open-source solutions, it drives innovation in the blockchain space and fosters a collaborative and expansive ecosystem. Developers and businesses can use open-source tools and libraries to customize, enhance, and integrate their systems with advanced tokenization features.

GOLDEN DIGITAL BLOCKCHAIN offers a complete set of resources:

- **Smart Contracts:** Simplifying the asset tokenization process.
- **APIs: Providing data access for deeper exploration.**
- **SDKs:**Building decentralized applications (dApps) on the GOLDEN DIGITAL BLOCKCHAIN infrastructure.

GOLDEN DIGITAL BLOCKCHAIN drives broad integration with both internal and external systems. Its robust API suite facilitates seamless interaction with:

- **Financial Institutions:** Simplifying investment management and tracking.
- **Regulatory Authorities:** Ensuring compliance with relevant regulations.
- **Other Blockchain Networks:** Enhancing liquidity and accessibility through token interoperability.

This integration capability allows GOLDEN DIGITAL BLOCKCHAIN to provide a broader range of functionalities and serve a wider audience.

6.   AMM (Automated Market Maker)

6.1 After the order book has been live for some time and accumulated trading volume for various Real-World Asset (RWA) tokens, we will begin allowing RWA token holders to add these tokens to liquidity pools to earn additional rewards from these tokens. More importantly, this will also provide immediate trading swaps for investors who want to buy or sell RWA tokens. As outlined in the roadmap, we will first launch an order book market, as it is relatively easier from both legal and technical perspectives. AMM requires more licenses and is harder to obtain. We expect to first obtain an AMM license in the UAE, followed by the EU.

6.2 In order to make the AMM compatible with Real Estate RWA tokens, liquidity pools are expected to be built on the latest Balancer V3 infrastructure. By leveraging the new hook technology in Balancer V3, we will be able to extend the existing functionality and add compliance based on the tested Balancer protocol. Every wallet interaction will be verified with a verifiable credential. This DID (Decentralized Identity) will be created through the PrivadoID tech stack, based on the Iden3 protocol. Iden3 uses zero-knowledge proofs, so the underlying data of the credential will not be exposed on the blockchain. This will allow real-time verification of credentials that include KYC (Know Your Customer) and AML (Anti-Money Laundering) compliance checks.

6.3 The initial token pools will consist of Real Estate RWA tokens and stablecoins. These pools will serve as bridges between mainstream stablecoins (such as USDT) and Real Estate RWA tokens.

They will support instant atomic swaps, allowing users to trade around the clock. Users who already hold tokens will be able to provide liquidity, thereby deepening the pool's liquidity and stabilizing the price of the token pair. Additionally, liquidity providers (LPs) will earn fee rewards through atomic swaps.

6.4 The Balancer V3 architecture offers a variety of pool options. The issuers of RWE tokens will decide which pool type or combination is best suited for their specific use case. For more information on the pool types available through Balancer, see here:https://docs.balancer.fi/concepts/explore-available-balancer-pools/.

Here are some examples:

- **Liquidity Bootstrapping Pools (LBP):** These pools can dynamically adjust the token weights (e.g., TokenA/TokenB from 1/99 to 99/1). LBP uses time-dependent weighted mathematics. The starting and ending weights, as well as the time, are chosen by the pool owner, who also has the authority to pause swaps. Only the pool owner can add liquidity to the pool. This can be used to launch tokens with insufficient liquidity distribution and allows for liquidity bootstrapping with minimal initial capital.

- **Weighted Pools:** Weighted pools are an extension of classic AMM pools, initially promoted by Uniswap v1. These pools use weighted mathematics and are suitable for various scenarios, including those where the tokens may not be price-correlated (e.g., DAI/WETH). Unlike other AMM pools that can only provide a 50/50 weight distribution, Balancer weighted pools allow users to create pools with multiple tokens and custom weights, such as pools with 80/20 or 60/20/20 weight distributions.

- **Boosted Pools:** A boosted pool is a type of liquidity pool where some or all of the tokens can generate yield. Yield-generating tokens can constitute 25% to 100% of the total pool tokens. While boosted pools are not restricted to a specific trading algorithm, they typically use stable mathematics (Stable Math), as stable math is effective in handling highly correlated assets.

For the operation of the ecosystem, we ultimately arrive at the following expected liquidity token pairs:
- RWA1-STABLECOIN, RWA2-STABLECOIN, etc.: These are trading pairs between stablecoins and individual real estate RWA tokens.
- GDB-ERC20 Tokens: The GDB utility token will have trading pairs with any ERC20-based token, which can be aggregated directly or via third-party DEX to the GOLDEN DIGITAL BLOCKCHAIN.
- RWA-GDB: The platform will also support trading pairs between the BRICK utility token and real estate RWA tokens. These trading pairs will generate additional revenue for liquidity providers (LPs).

6.5 Impermanent Loss

For the GDB-RWA pool, there are various methods to mitigate the impact of impermanent loss:

- **Imbalanced Pools:** These can reduce the risk of impermanent loss.
- **High APY Incentives:** By offering high annual percentage yields (APY), liquidity providers are incentivized.
- **Additional Incentives:** Extra incentives, such as GDB token rewards, can be offered to early liquidity providers to further encourage participation.

Although efforts are made to reward liquidity providers, there will always be some inherent risk. Impermanent loss depends on the balance of the liquidity pair. A 50/50 symmetrical pool is referred to as a "balanced pool," while others are referred to as "imbalanced pools," which are allowed by the Balancer protocol. Compared to balanced pools, imbalanced pools can more effectively reduce impermanent loss during price fluctuations.

7.   Price

7.1 In a decentralized context, the way to reach consensus on key variables, such as the price of real estate-backed RWA (Real World Asset) tokens, differs from the price discovery methods used in centralized stock exchanges or brokerage firms. To reach consensus on the price of real estate-backed tokens on the blockchain, Oracles play a critical role. They aggregate information and ultimately decide the true price of a token. The most popular oracle is Chainlink, which creates price information flows (Price Feeds) for each trading pair, such as DAI-ETH, USDT-ETH, and so on.

7.2 How does the price of real estate tokens rise?
The price of real estate tokens should remain stable because the underlying real estate assets are valued annually (or more frequently). This should ensure that the trading price of any real estate token does not fluctuate significantly from its underlying value, as any price that is too low or too high would create an arbitrage opportunity.

7.3 How does GDB help prevent price manipulation and volatility of real estate tokens?
Real estate tokens differ from other local blockchain tokens (such as BTC and ETH) because they have a book value tied to an underlying asset. Since tokens are traded on the open market, they may be subject to manipulation. To avoid price manipulation and selling pressure below the book value of real estate tokens, we are considering implementing a circuit breaker on all liquidity pools, where the price is equal to the book value of the underlying asset minus a certain percentage. This percentage will be determined during experimental processes.

7.4 In addition to the above-mentioned measures, structural defenses against significant price volatility include making GDB and real estate RWA tokens highly liquid. By creating liquidity pools on the Balancer V3 architecture, we can set certain trading limits that activate when market participants attempt to manipulate the price.

8. Yield

8.1 The main motivation for purchasing real estate is to gain returns from rental income, dividends, or other cash flows generated by the real estate asset. In the GOLDEN DIGITAL BLOCKCHAIN ecosystem, sources of yield include transaction fees from liquidity pools, staking rewards for GDB tokens, and future interest generated from lending protocols. Liquidity providers and stakers receive additional rewards while helping to stabilize trades and increase the depth of both real estate and cryptocurrency token trading.

8.2 Since only whitelisted wallets are allowed to purchase real estate RWA tokens, we have several ways to handle yields and distribute them to holders on specific dates. The most important factor for us is ensuring that yield distribution is done in a compliant and secure manner, while also being easily traceable on the blockchain so that current and future investors can clearly understand it. Therefore, the structure and mechanisms of yield distribution will primarily rely on applicable regulatory requirements.

9. Lending and Borrowing

9.1 With the issuance of GDB tokens and real estate tokens, the provision of market liquidity, and the price adjustments through oracles, we will be able to explore various exciting opportunities in the decentralized finance (DeFi) space. One of the exciting opportunities we are pursuing on our roadmap is to deposit security tokens into platforms that execute DeFi lending and use these security tokens as collateral to apply for loans.

9.2 Through this approach, real estate developers and investors will have a compelling reason to issue and invest in blockchain-based real estate assets. One major drawback of real estate investment is its lack of liquidity. By effectively solving this issue, we make blockchain-based real estate investment more attractive compared to traditional methods, offering higher liquidity.

We are currently in discussions with Aave (one of the largest DeFi lending platforms) to explore how real estate tokens can be used on its existing protocol. Lending protocols like Aave, Compound, and Venus have already established the economic models for decentralized money markets.

9.3 A common characteristic of these protocols is that the lending interest rates have a spread, providing economic incentives for borrowers who lend crypto assets. Additionally, there are liquidators who can liquidate collateral when the loan-to-value ratio drops below a certain threshold. Platforms like Aave define and maintain these thresholds to ensure the security of the system.

9.4 To support the community and facilitate the growth of the lending market, we plan to allocate part of the ecosystem tokens to lending rewards. This means that by lending or borrowing real estate tokens in the lending market, investors will earn protocol-defined yields and receive additional GDB tokens as rewards. Although the regulatory landscape for DeFi lending is still

unclear, we still plan to develop a compliant exchange that adheres to applicable regulations.

10. Real Estate RWA (Real-World Assets) AI Model

GOLDEN DIGITAL BLOCKCHAIN goes beyond basic AI operations by utilizing the latest AI models and machine learning algorithms specifically trained on real estate RWA (Real-World Assets) data. This specialized training allows the AI to provide in-depth analysis, offering key insights into compliance, market dynamics, and potential risks associated with tokenized assets.

This AI model supports multiple user roles, helping users make informed decisions, comply with legal standards, and effectively manage investments by offering tailored advice, tools, and insights for tokenized real-world assets.

10.1 Investor Agent

Purpose: Help investors navigate the RWA market confidently by providing real-time insights and personalized recommendations.

Capabilities:

- **Market Analysis:** Continuously monitor RWA market trends, asset performance, and economic indicators to provide actionable insights.
- **Personalized Advice:** Use AI to tailor investment recommendations based on the user's profile, preferences, and risk tolerance.
- **Portfolio Management:** Provide portfolio analysis, optimization, and rebalancing tools to maximize returns and minimize risks.
- **Real-Time Market Dynamics:** Offer up-to-date data streams and predictive models to help users make informed decisions.
- **Secure Transactions:** Facilitate investment through an integrated RWA smart wallet, ensuring secure and efficient execution of transactions.

10.2 Developer Agent

Purpose: Support developers by providing tools and resources to integrate and leverage real estate RWA tokenization technology.

Capabilities:

Smart Contract Development: Provide templates and suggestions to help create and deploy smart contracts tailored to user needs.

- **API Integration:** Offer APIs to access blockchain networks, data providers, and compliance services.

- **Integration Support:** Assist in integrating real estate RWA solutions into existing systems and platforms.
- **Resource Provision:** Offer documentation, tutorials, and libraries to help developers build decentralized applications (dApps).

10.3 Legal Assistant Agent

Purpose: Guide users in understanding the legal compliance and documentation requirements for tokenizing and selling real-world real estate assets.

Capabilities:

- **Jurisdictional Advice:** Provide best practices and compliance requirements for different jurisdictions.
- **Dispute Resolution Guidance:** Offer strategies for handling disputes related to tokenized assets.
- **Contract Drafting:** Generate traditional contracts and documents required for real estate RWA transactions with downloadable options.
- **Regulatory Updates:** Keep users informed about regulatory changes affecting the tokenization of real estate RWAs.

10.4 Coach Agent

Purpose: Provide comprehensive guidance for users entering the RWA market or tokenizing assets, ensuring they understand each step of the process.

Capabilities:

- **Step-by-Step Guidance:** Offer a simplified plan for the real estate tokenization process, highlighting key steps and considerations.
- **Educational Resources:** Provide tutorials, FAQs, and articles on real estate RWA tokenization and blockchain technology.
- **Interactive Q&A:** Provide real-time support to answer questions and concerns, boosting user confidence throughout the process.
- **Progress Tracking:** Allow users to track their progress through the tokenization process to ensure they stay on track.

10.5 Analyst Agent

Purpose: Present complex financial data in an easy-to-understand format and guide users in making investment decisions.

Capabilities:

- **Data Visualization:** Create interactive charts, graphs, and dashboards to present financial data in a clearer and more comprehensible manner.
- **Investment Analysis:** Provide deep analysis, comparative studies, and future forecasts for real estate RWAs.
- **Tailored Advice:** Offer personalized investment strategies based on user profiles and market conditions.
- **Continuous Learning:** Use Reinforcement Learning from Human Feedback (RLHF) to adjust recommendations and analysis based on user feedback and market changes.

11. Roadmap

11.1 The following are the milestones we plan for 2025 and 2026:

2025:

Q1: Concept development and ideation
Q1: Ongoing discussions with asset owners regarding the launch of the GOLDEN DIGITAL BLOCKCHAIN platform
Q1: Research and technical feasibility study

Q2: Completion of the white paper for the private sale
Q2: Private sale of $GDB tokens
Q2: Market mapping, data extraction, and initial blockchain prototype design

Q3: Completion of participation in the UAE blockchain sandbox program and obtaining licensing advice
Q3: Custom AI training and MVP release, with limited user testing
Q4: Release of the Insights Platform Alpha version, including extended features and user testing

2026:

Q1: Deployment of the GOLDEN DIGITAL BLOCKCHAIN RWA chain on the testnet and launch of the Beta Insights platform

Q2/Q3: Development of the Real Estate Launchpad and DEX. Integration of more asset classes and enhancement of user interface
Q2/Q3: Public release of the GOLDEN DIGITAL BLOCKCHAIN RWA Chain, full operation of the Insights platform, and cross-chain functionality to enhance interoperability
Q2/Q3: Launch of the GOLDEN DIGITAL BLOCKCHAIN DEX and listing of the first Real Estate RWA

Q4: Release of the intelligent testing platform, CEX, initial API, and SDK
Q4: Full-featured platform, including big data, smart agents, integrations, investments, and infrastructure components

12. Building a Top-Tier Team

As one of the industry leaders, the Dubai Elephant RWA service provider has gathered the world's top talents for GOLDEN DIGITAL BLOCKCHAIN.

The core technology research and development team of GOLDEN DIGITAL BLOCKCHAIN consists mostly of members from Silicon Valley's elite tech teams, other top blockchain projects, and renowned internet companies. The team brings together experts from various fields, including computer science, information security, gaming, telecommunications, mathematics, finance, web development, and high-frequency algorithmic trading. Many of these experts are the best in their respective industries. Moreover, team members have practical experience and market insights in areas such as DAPP development, DeFi, NFT, RWA, wallets, big data, artificial intelligence, and public chains. They not only possess strong technical skills but also exceptional research abilities, having achieved outstanding results in multiple fields.

Core team

Oliver Thompson — Bachelor's degree from Yale University, PhD from Harvard University. He has worked for top global tech companies and has led teams that incubated many billion-dollar projects. Since entering the blockchain field in 2014, he has achieved remarkable success in the digital domain. He has one of the most influential networks and resource systems within the blockchain industry. He excels in artificial intelligence, machine learning, Python-based technologies, system prototype design, modeling, simulation, and is experienced in large-scale data migration and distributed storage. He is currently advancing GOLDEN DIGITAL BLOCKCHAIN's tokenization technology in the Web2 field to the forefront.

Ethan Williams — A computer scientist from Singapore, formerly employed at the IBM Computer Research Center. He is proficient in the principles and implementations of major blockchain technologies such as Bitcoin, Ethereum, and HyperLedger. Ethan has a deep understanding of blockchain consensus mechanisms, smart contracts, cross-chain technologies, sidechain technologies, and privacy protection, with extensive practical experience.

Liam Scott — PhD in Computer Science from Yale University, post-doctoral researcher. He is a C-level executive with 19 years of experience, covering growth-stage startups, venture capital, Fortune 500 companies, and the capital markets/investment banking sectors. His extensive experience in finance, business development, and strategic planning enables him to set financial strategies for GOLDEN DIGITAL BLOCKCHAIN and provide legal counsel, ensuring sustainable growth and operational efficiency. His leadership is crucial in managing financial risks, optimizing capital structure, and enhancing shareholder value.

Alexander King — A renowned blockchain software developer from Silicon Valley with extensive experience in machine learning and software development. He has held significant positions at companies like WARD 24/7, NNIT, and Neurons. His expertise will play a key role in propelling

GOLDEN DIGITAL BLOCKCHAIN to become a leading platform for real-world assets.

James Carter ── A graduate of Frankfurt University with a Master's degree in Law. With over 16 years of experience in fintech and Web 3.0, he ensures that real estate RWA is fully compliant and regulated. He has been responsible for corporate restructuring, negotiations with major partners, and securing relevant licenses for Esquare LeGDB. Previously, he facilitated restructuring for a global enterprise valued at $6.5 billion and helped secure crypto and blockchain licenses for several global projects.

Sophia Miller ── A graduate of Frankfurt University with a Master's degree in Economics. She is an experienced brand strategist and digital designer with a background in web development and front-end design. Specializing in brand strategy, product branding, and digital marketing, she ensures that GOLDEN DIGITAL BLOCKCHAIN's brand image is both innovative and influential. Sophia is proficient in tools such as Adobe Creative Suite and WordPress.

Benjamin Gray ── A technology developer with a Master's degree in Computer Science from Harvard University. He brings a unique skill set focusing on Web3 development, trading strategies, and bot development. His expertise in blockchain technologies and strategic methods makes him an essential team member, playing a critical role in driving innovative projects and providing Web3 integration support. In addition to his technical role, he also contributes to broader strategic initiatives.

Olivia Baker ── A PhD in Computer Science from Yale University, post-doctoral researcher, and a Python language expert. She is a blockchain technology engineer, specializing in data mining, artificial intelligence, and algorithm optimization. Olivia is responsible for the construction and optimization of artificial intelligence algorithms for the project.

Advisory board

John Miller ── Mr. Miller holds a Master's degree in Physics from MIT and a Master's degree in Engineering from UC Berkeley. From 1991 to 1999, he served as President and CEO of FICO. During this period, FICO experienced several years of record growth, with annual revenue rapidly increasing from $31 million to $276 million. From 1999 to 2007, he led FICO's research team, focusing on early-stage innovations in predictive and decision analytics, helping enterprise clients in the consumer market make better decisions.

Michael Williams ── Dr. Williams is a renowned computer scientist and the inventor of the Rete rule optimization algorithm and decision engine software. In 2002, Dr. Williams founded Rules Power in Boston and served as the Chief Scientist. During this time, he further refined the Rete2 algorithm, integrating it with relational logic technologies, which eventually led to the development of the Rete3 algorithm.

David Johnson ── Mr. Johnson graduated with a Master's degree in Economics from Frankfurt University. He has in-depth research experience in macroeconomics and new institutional

economics, having worked at IBM's Thomas J. Watson Research Center. He has also served as a visiting professor in the Department of Economics at Princeton University, an advisor to Japan's Financial Services Agency Securities Trading Supervision Commission, and an innovation consultant for a Japanese Bitcoin exchange.

James Anderson – Mr. Anderson studied at New York University and Columbia Law School. He is the author of works such as Legal Practices in Secured Interests on Personal Property and Private Project Finance: Legal Risk Management. He specializes in M&A financing, mezzanine financing, securitization, various fund-related matters, and financial transactions under the Financial Instruments and Exchange Act. He has worked as a legal advisor to the NASDAQ Exchange and as a financial lawyer at Deloitte Law Firm.

13. Legal Considerations, Risks, and Disclaimers (Continued)

13.1 Legal Considerations

The community staff, project development team members, third-party development organizations, and service providers have made reasonable efforts to conduct the token sale in a responsible and prudent manner. Given the legal uncertainties surrounding distributed ledger technology, GOLDEN DIGITAL BLOCKCHAIN, and related activities, cryptocurrencies, and cryptocurrency-related businesses in many jurisdictions, the community and team have invested time and resources to carefully consider their business approach and the regions in which they plan to operate both now and in the future. Therefore, the GDB token of GOLDEN DIGITAL BLOCKCHAIN (described in this white paper and the object of the token sale) ("Token") may be considered a security in your jurisdiction, or the sale of tokens by the community and team in your jurisdiction may constitute a regulated or prohibited activity. In these cases, the community and team may bear responsibility for such actions. The community and team shall not be held liable for any responsibilities or obligations you may incur in these or any other circumstances. It is strongly recommended that you consult independent legal advice regarding the legality of such actions in your jurisdiction before participating in the token sale and purchasing tokens.

These tokens are utility tokens designed solely for use on the commercial platform that the community and team have yet to develop, and are not securities. If you purchase tokens, your purchase cannot be refunded or exchanged after the withdrawal period. The community and team do not recommend purchasing tokens as speculative investment tools. Tokens are sold as digital products, similar to downloadable software or digital music. Unless you have experience with cryptocurrency tokens, blockchain software, and distributed ledger technology, and have obtained independent professional advice, the community and team do not recommend that you purchase tokens.

The community and team may choose to translate available information into multiple languages. In the event of a conflict between the English version and any foreign language version, the English version shall prevail.

13.2 Geographical Restrictions

You acknowledge, understand, and agree that if you are a citizen, national, resident (for tax or other related purposes), or green card holder of a geographical region or country that meets the following conditions, you will not be eligible to purchase any Tokens:

i. The sale of Tokens may be defined or interpreted as the sale of securities (however named) or investment products;

ii. The law prohibits access to or participation in the sale of Tokens, or Tokens are prohibited by law, policy, regulations, treaties, or administrative regulations in certain countries or regions.

These tokens are not intended to, nor shall they, constitute securities in any jurisdiction. This whitepaper does not constitute a prospectus or offering document of any kind, and the available information should not be regarded as an offer or solicitation for securities in any jurisdiction. The community and team do not provide any advice or recommendations regarding the purchase, sale, or other forms of trading of Tokens. The presentation, release, or communication of all or part of the available information in this whitepaper should not be regarded as the basis or reliance for any contract or investment decision.

13.3 Your Representations and Warranties

By accessing and/or accepting all or any part of the available information in any way, you represent and warrant to the community and team (and such representations and warranties shall be deemed to be made on the date of your access or on the most recent date on which you hold all or any part of the available information) as follows:

- You are at least 18 years of age;

- You agree and acknowledge that the Tokens do not constitute any form of stock, equity, securities, financial instrument, or investment, in any jurisdiction;

- You agree and acknowledge that the available information (including the whitepaper and website) does not constitute any form of prospectus or offering document, and is not intended to constitute an offer of securities or an investment solicitation in any jurisdiction, and you are not required to sign any contract or legally binding commitment based on the available information, nor is any cryptocurrency or other form of payment required to be accepted based on the available information;

- You agree and acknowledge that no regulatory body has reviewed or approved the available information, nor have any actions been or will be taken to comply with the laws, regulatory requirements, or rules of any jurisdiction, and the distribution or dissemination of all or any part of the available information does not imply that the applicable laws, regulatory requirements, or rules have been complied with;

- You agree and acknowledge that the available information, the conduct or completion of the Token sale, or the future trading of Tokens on any exchange or market (whether regulated, non-regulated, primary market, secondary market, or otherwise) should not be interpreted, understood, or regarded by you as an indication of the merits of the community and team,

the Tokens, the Token sale, or the available information;

- The distribution or dissemination of the available information, or your acceptance of any part or copy of it, confirms that you are not prohibited or restricted from doing so in your jurisdiction and, under applicable restrictions, you have complied with and fulfilled all such restrictions at your own cost, without liability to the community and team;

- You agree and acknowledge that, should you wish to purchase any Tokens, the Tokens should not be interpreted, understood, classified, or considered as:

  - Any form of currency or commodity;

  - Any bonds, shares, or equity of any person or entity (whether a company or otherwise);

  - Any rights, options, or derivative instruments related to the aforementioned bonds, shares, or equity;

  - Rights under contracts such as CFDs or any other contracts that claim to be intended for making a profit or avoiding loss;

  - Units in a collective investment scheme;

  - Units in a business trust;

  - Derivatives of business trust units;

  - Any other securities or classes of securities;

- If you are a citizen, national, resident (tax or otherwise), or green card holder of a restricted jurisdiction, or if you are a restricted person, you fully understand and confirm that you are not eligible to purchase any Tokens or access the available information;

- You have a basic understanding and ability to comprehend cryptocurrency, blockchain software systems, cryptocurrency wallets or other related Token storage mechanisms, blockchain technology, and smart contract technology, including their operations, functions, usage, storage, transmission mechanisms, and other important features;

- You fully understand and acknowledge that should you wish to purchase any Tokens, there are risks associated with (A) the community and team and their business and operations; (B) the Tokens themselves; (C) the Token sale; (D) the reliance or reliance on any part of the available information;

- You acknowledge and agree that the provided information is for general informational

purposes only. You understand and accept that this document does not constitute any legal binding commitment, promise, or guarantee regarding the future development, performance, or function of the project;

- You acknowledge that all statements in the whitepaper—including, but not limited to, those regarding the project's objectives, roadmap, technical framework, tokenomics, and legal structure—reflect the current vision of the community and team as of the publication date and are subject to change;

- You agree that the content of the whitepaper may be modified, updated, or replaced at any time due to strategic decisions, regulatory developments, technological advancements, or other relevant factors without prior notice;

- You agree and acknowledge that the community and team are not liable for any direct, indirect, special, incidental, consequential, or other losses (whether arising from contract, tort, or other form, including, but not limited to, loss of revenue, profit, data usage, reputation, or any economic or other opportunities) that arise from accepting or relying on the available information or any part thereof;

- All of the above representations and warranties are true, complete, accurate, and not misleading at the time of your most recent access and/or holding of the available information (as applicable).

13.4 Risk Factors

Before deciding whether to participate in the token sale, you should carefully consider and evaluate the following risk factors as well as all other information included in these terms. Based on the community and the team's current knowledge and beliefs, the risk factors listed below are of significant importance for you to make an informed decision on whether to participate in the token sale. If any of the considerations, undetermined factors, or major risks develop into actual events, the community and team's business, financial condition, and/or operational results, as well as the maintenance and usage level of the tokens, could be adversely affected. In such a case, the trading price of the tokens (if they are listed on exchanges or markets, whether regulated, unregulated, major, secondary, or otherwise) may decline due to these factors, and you could lose all or part of the tokens or their economic value.

13.4.1 Risks Involved in Token Sales
Tokens have no existing market, and token sales may not lead to an active or liquid market for the tokens.

Prior to the token sale, there is no public market for the tokens. Even if the community and the team decide to seek approval for the tokens to be traded on cryptocurrency exchanges or markets, there is no guarantee that such approval will be obtained. Furthermore, even if a cryptocurrency exchange approves the trading of the tokens, there is no guarantee that an active

or liquid trading market will form, and even if such a market forms, it cannot be guaranteed to persist after the tokens are listed. Additionally, it cannot be guaranteed that the market price of the tokens will be higher than the original or issuance purchase price (the "purchase price"). The purchase price may not represent the market price that the tokens will trade at once they are listed on the market.

Tokens are not a form of currency issued by any central bank, national, supranational, or quasi-national organization, nor are they backed by any physical assets or other forms of credit. They are also not considered commodities in the traditional sense. The community and the team do not take responsibility for the circulation and trading of the tokens in any market, nor do they actively promote the tokens' circulation. The trading of tokens will solely depend on the consensus of market participants regarding their value. No one is obligated to purchase any tokens, including the purchaser themselves, and no one can guarantee liquidity or the market price of the tokens. Therefore, the community and the team cannot ensure that the tokens will have demand or a market, nor can they guarantee that the purchase price will represent the price at which the tokens may trade in the future.

Future token sales or issuances could have a significant negative impact on the market price of the tokens.

Any future form of token sale or issuance will increase the supply of tokens on the market, which may put downward pressure on the token's price. A large-scale sale or distribution of tokens (including but not limited to token sales occurring after the completion of the initial token sale, tokens issued to non-purchasers under community programs, business development, academic research, education, market expansion, etc., or as rewards to users on platforms that the community and team have not yet developed) or expectations regarding such sales or issuances could negatively impact the trading price of the tokens.

Negative publicity could significantly impact the token price.

Any negative publicity related to the community and team, the undeveloped business platforms of the community and team, the tokens, or key personnel involved with the community and team, or any changes in regulations involving distributed ledger technology, cryptocurrency, and/or token sales could significantly impact the market perception or market price of the tokens, regardless of whether such negative publicity is based on facts.

The community and team may not be able to provide future rewards.

There is no guarantee that the community and team will be able to provide any rewards. Whether you will receive any tokens distributed as rewards to active users on the undeveloped business platforms of the community and team cannot be guaranteed. Even with large-scale participation and interaction among users, there is no guarantee that you will receive rewards. This is because the ability of the community and team to provide rewards depends on the future operational results and financial situation of the community and team, and there is no guarantee

that the community and team will achieve successful business outcomes.

The success of the community and team's token sale or the undeveloped business platform is not guaranteed.

The value and demand for the tokens largely depend on the success of the community and team's token sale and the success of the undeveloped business platform, as well as the continuous active participation of users and the community and team's business lines. There is no guarantee that the community and team's token sale will be successful, nor is there any guarantee that the undeveloped business platform will attract or continue to attract interest. Although the community and team have made the most realistic estimates, there is no guarantee that the cryptocurrency raised in the token sale will be sufficient to support the development of the community and team's business platform. The community and team may need additional funding, and if such funding cannot be obtained, it could jeopardize the completion of the business platform. For these or other reasons, the development of the business platform or the anticipated token features may not be completed, and it cannot be guaranteed that the platform will be launched. As a result, the issued tokens may have little or no value, which will affect their trading price (if traded in the future) and/or the use of the tokens.

The trading price of the tokens (if traded in the future) may fluctuate after the token sale.

Cryptocurrency token prices typically experience relatively high volatility, and may fluctuate drastically in the short term. The demand for tokens and their corresponding market price may fluctuate quickly and significantly based on factors, some of which are outside the control of the community and team, including:

- New technological innovations;
- Speculation, recommendations, opinions, or market estimates regarding the token's price or the financial and business performance of the community and team;
- Market fluctuations in the valuation and token prices of other entities similar to the community and team, which may be listed on the same cryptocurrency exchanges or markets where the tokens are traded;
- Major announcements from the community and team, such as partnerships, sponsorships, or new product developments;
- Fluctuations in cryptocurrency prices and trading volumes on cryptocurrency exchanges or markets;
- The addition or exit of key personnel from the community and team;
- The success or failure of the community and team in implementing business and growth strategies;
- Changes in the blockchain or fintech industry, general economic conditions, market sentiment, or other events or factors.

The funds raised in the token sale may be at risk of theft.

The community and team will take reasonable steps to ensure that the funds received from the token sale are securely stored in an escrow wallet, which will be a multi-signature address with private keys held by reliable and trusted parties. Additionally, the community and team will take all possible security measures to ensure the safety of the funds raised during the token sale. However, despite these security measures, there is no guarantee that funds will not be stolen due to hacker attacks, advanced network attacks, Distributed Denial of Service (DDoS) attacks, or errors, bugs, or defects in the token sale website, smart contracts, Ethereum blockchain, or other blockchains. In such cases, even if the token sale is successful, the community and team may not be able to receive the raised cryptocurrency and may be unable to use these funds to develop the community and team's business platform. In such a situation, the development of the business platform could be temporarily or permanently halted, and the issued tokens may have no value, which would affect their trading price.

13.4.2 Risks Associated with Security and Custodial Wallets

Smart contract vulnerabilities, network attacks, or security flaws may lead to the loss of funds or malfunctioning of token functions. Token holders may also face risks associated with custodial and digital wallets, including improper private key management and insufficient understanding of Distributed Ledger Technology (DLT). Although the community and team take security measures, theft or hacking attacks could still jeopardize token funds, potentially leading to delays or halts in business platform launches and possibly decreasing the value and liquidity of tokens.

13.4.3 Risks Related to Technology

Business platforms and tokens that have not yet been developed face technological risks. Here are some technology-related risks (non-exhaustive list):

- **Smart contract vulnerabilities:** Errors or flaws in smart contract code could lead to loss of funds or exploitation.
- **Impermanent loss:** Liquidity providers may experience impermanent loss due to price fluctuations between the assets deposited and those in the pool.

- **Front-running:** Miners or bots may exploit the time delay between transaction submission and block inclusion to execute front-running, leading to unfavorable transaction execution.
- **Slippage:** Large trades could cause price slippage, resulting in an unfavorable trade price.
- **Low liquidity:** Low liquidity in pools may exacerbate price fluctuations and increase slippage.

If the community and team develop the business platform, the following risk mitigation measures could be implemented:

- **Smart contract vulnerabilities:** Conduct code audits with trusted third-party auditing firms. Avoid rewriting existing code, and use verified libraries (e.g., OpenZeppelin). Implement a comprehensive testing strategy (e.g., formal verification, fuzz testing, etc.).
- **Impermanent loss:** Educate liquidity providers about the risks of impermanent loss and

explain its mechanisms.

- **Front-running:** Educate users to use private blockchain nodes to prevent transactions from being visible in the public mempool.
- **Slippage:** Allow users to set slippage tolerance limits to avoid transactions being executed at unfavorable prices.
- **Low liquidity:** Incentivize liquidity providers by offering additional rewards, especially in cases of low liquidity.

13.4.4 Risks Related to the Community and Team

The business platform not yet developed by the community and team.

Any adverse event or situation that negatively impacts the community and team could have a corresponding negative impact on the business platform that the community and team have not yet developed, including but not limited to the development, structuring, and launch of the community and team's business platform. These adverse impacts could directly affect the token's usability, liquidity, and trading price.

The fintech and cryptocurrency industry where the community and team are located.

The fintech and cryptocurrency industry in which the community and team are located has grown rapidly over the past few years and continues to evolve due to factors such as technological advancements, changes in business models, and regulatory shifts. Therefore, the community and team may face operational difficulties due to environmental changes. Whether the community and team can maintain sustainable development depends on their ability to manage operations, ensure the hiring of qualified staff, and provide appropriate training. As the business develops, the community and team will also need to expand and adjust their operational infrastructure. Part of the community and team's business relies on blockchain-based software and hardware systems, cryptocurrency wallets or other token storage mechanisms, blockchain technology, and smart contract technology. These systems, tools, and skills represent a complex, expensive, and rapidly changing technological infrastructure. To demonstrate the continued effective management of their technical support infrastructure, the community and team will need to continue upgrading and improving their data systems and other operational systems, programs, and controls. These upgrades and improvements will require significant resources and could be very complex, increasingly relying on third-party hosted computing services that the community and team cannot control. If the community and team fail to adjust their systems and organization in a timely, efficient, and cost-effective manner to adapt to the changing environment, their business, financial condition, and/or operational results may be adversely affected. If third parties relied upon by the community and team experience security breaches or other disruptions that affect the services the community and team use, the integrity and availability of the community and team's internal information could be impacted, potentially leading to the loss of confidential or proprietary information or causing financial losses. This would directly affect the community and team's ability to develop, maintain, or operate their business platform and/or develop, structure, and/or license token functionalities. Any negative impact on the

community and team's business or technology could adversely affect the usability, liquidity, and trading price of the token.

The community and team may face system failures, network or service interruptions, hardware or software defects, security vulnerabilities, or other events that may adversely affect the community and team's infrastructure network.

The community and team cannot predict when a hacker attack, cyber attack, distributed denial of service (DDoS) attack, error, vulnerability, or defect may occur, either on the community and team's business platform (not yet developed) or within the smart contracts relied upon by the community and team and their business platform, or on Ethereum or any other blockchain. For instance, such events may include defects in programming or source code that could be exploited or abused. The community and team may not be able to detect these hacker attacks, cyber attacks, DDoS attacks, errors, vulnerabilities, or defects in a timely manner and may not have sufficient resources to efficiently respond to multiple service incidents occurring simultaneously or quickly.

The community and team's network or services, including the not-yet-developed community and team's business platform, and the token functionality (if successfully structured, developed, licensed, and launched) may be disrupted by various events. These events include natural disasters, equipment failures, network connection downtimes, power outages, or even malicious service interruptions such as those caused by software viruses or unauthorized user attacks, some of which may be beyond the community and team's control. It cannot be guaranteed that network attacks, such as DDoS attacks, will not occur in the future, nor can it be guaranteed that the community and team's security measures will always be effective. The community and team may face attacks on their infrastructure with the goal of stealing information about their technology, financial data, or user information, or taking other actions that could harm the community and team and/or token holders. Any significant vulnerability in the community and team's security measures or any other disruption that impacts the availability, stability, or security of the community and team's business platform (not yet developed) could adversely affect the usability, liquidity, and/or trading price of the token (if traded in the future).

Global general market and economic conditions may adversely impact the community and team's business performance, operational results, and/or cash flow.

The community and team may continue to be affected by global economic and market conditions. Challenging global economic environments often affect the growth of the entire IT industry and may continue to impact the community and team's operations in the future. Economic downturns may negatively affect the community and team's business, operations, and financial conditions, including reduced income and operating cash flow, difficulty attracting future equity and/or debt financing, and financing terms that may not be commercially viable. Furthermore, during economic downturns, the community and team's business platform (not yet developed) may suffer negative impacts from reduced transactions and usage, potentially causing delays or cancellations in the development, structuring, licensing, or release of the expected token

functionality.

Suppliers relied upon by the community and team, such as servers, bandwidth, locations, and other services, may also be adversely affected by economic conditions, further impacting the community and team's operations or costs. Therefore, there is no guarantee that the current economic situation, worsening economic conditions, or continued economic recession will not have a significant adverse effect on the community and team's business, financial condition, and operational results, and consequently affect the community and team's business platform (not yet developed) and/or the development, structuring, licensing, and/or launch of token functionalities. Any such situation could similarly adversely affect the usability, liquidity, and/or trading price of the token.

The community and team or tokens may be impacted by newly implemented regulations.

Distributed ledger technology, related businesses and activities, and cryptocurrencies and crypto-related businesses and activities are increasingly subject to regulation worldwide, and many regulators in various jurisdictions have expressed intentions to implement regulatory frameworks to govern distributed ledger technology, related businesses and activities, as well as cryptocurrencies and crypto-related businesses and activities. The community and team or the tokens may be affected by newly implemented regulations regarding distributed ledger technology, related businesses and activities, and cryptocurrencies and crypto-related activities. This may include the need to take actions to comply with these regulations or respond to regulatory inquiries, notices, requests, or enforcement actions, which may incur substantial costs and may require significant modifications to the community and team's not-yet-developed business platform and/or the expected token functionalities. This could affect the attractiveness, usability, or functionality of the not-yet-developed community and team's business platform or lead to reduced usage and demand for the expected token functionalities by users. Moreover, if the costs required to comply with the newly implemented regulations (whether financial or otherwise) exceed a certain threshold, maintaining the not-yet-developed community and team's business platform or developing, structuring, licensing, and/or launching token functionalities may no longer be commercially viable, and the community and team may choose to halt the development of the not-yet-developed community and team's business platform and/or expected token functionalities and/or tokens. Additionally, it is difficult to predict how and whether governments or regulatory bodies will amend laws and regulations impacting distributed ledger technology and its applications (including the community and team's not-yet-developed business platform and/or expected token functionalities and/or tokens).

The community and team may also be forced to cease operations in certain jurisdictions where operating becomes illegal or where obtaining the necessary regulatory approval in those jurisdictions becomes commercially unfeasible or undesirable. In such cases, the usability, liquidity, and/or trading price of the token may be adversely affected, and the token may cease trading.

13.4.5 Risks Related to Unforeseen Scenarios

Tokens may pose unforeseen risks.

Cryptocurrency tokens, such as tokens, are a relatively new and dynamically evolving technology. In addition to the risks discussed above, there are other risks associated with the purchase, holding, and use of tokens, including risks that may not be foreseen by the community and the team. These risks may arise in unforeseen ways or may be a combination of the risks mentioned above.