OMNIGRID

(OGT) WHITE PAPER

Leading The Future Of Web3.0 And Building A Decentralized Digital Ecosystem

OmniGrid is a high-performance blockchain infrastructure for the Web3.0 era, integrating decentralized identity (DID), privacy computing, cross-chain interoperability, decentralized storage, DeFi & NFT ecology to create a secure, efficient and scalable decentralized network.

As the native token of the OmniGrid ecosystem, OGT enables applications such as network security, smart contract execution, DAO governance, DeFi staking, and NFT trading, providing a free, fair, and transparent Web3.0 experience for global users and developers.

Break Through Tradition And Reshape The Future Of The Internet!

High throughput & low-cost transactions | Cross-chain interoperability | Privacy protection and security | Decentralized finance and ecological governance

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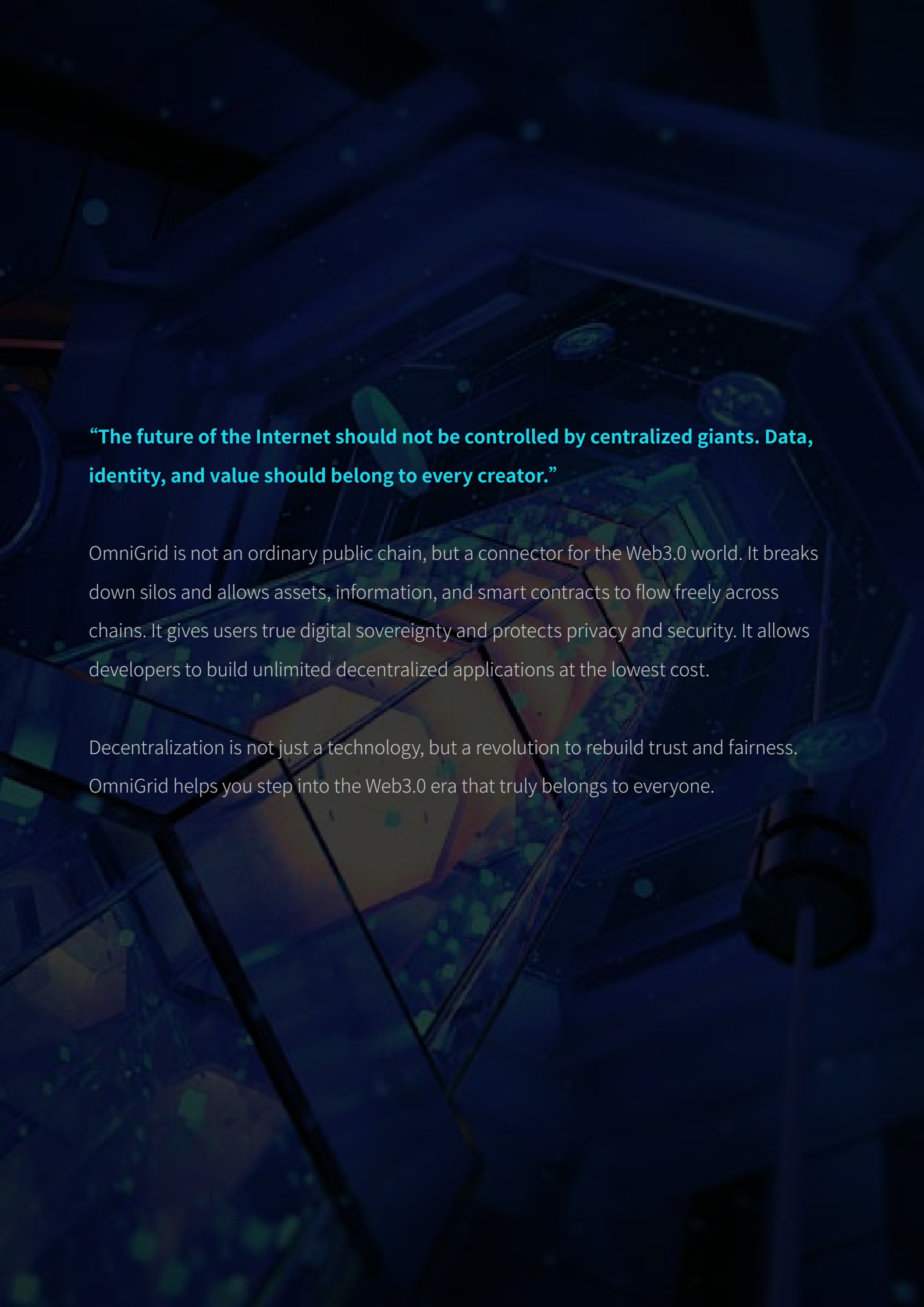

“The future of the Internet should not be controlled by centralized giants. Data, identity, and value should belong to every creator.”

OmniGrid is not an ordinary public chain, but a connector for the Web3.0 world. It breaks down silos and allows assets, information, and smart contracts to flow freely across chains. It gives users true digital sovereignty and protects privacy and security. It allows developers to build unlimited decentralized applications at the lowest cost.

Decentralization is not just a technology, but a revolution to rebuild trust and fairness. OmniGrid helps you step into the Web3.0 era that truly belongs to everyone.

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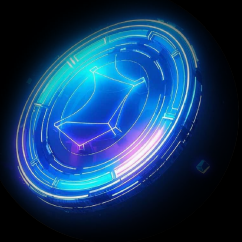

1. Project Overview

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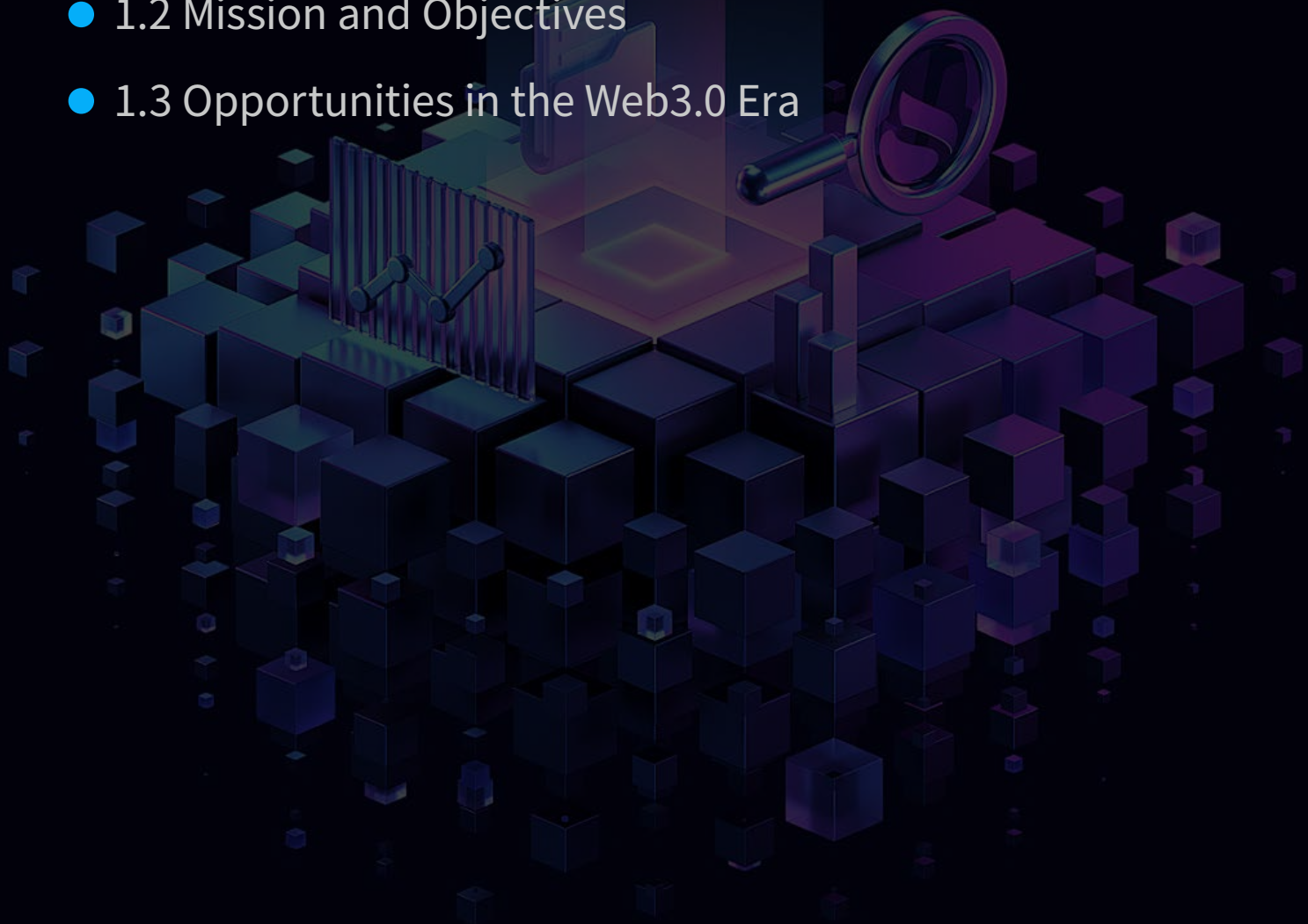

1. Project Overview

1.1 Project Background and Vision

As the global digitalization process accelerates, Web3.0, as the core concept of decentralized Internet, is gradually changing the traditional Internet ecology. According to Messari's 2024 blockchain industry report, the global Web3.0 economy is expected to reach $1.87 trillion by 2027, growing at a CAGR (compound annual growth rate) of 27.3%. At the same time, Web3.0-related fields such as decentralized finance (DeFi), non-fungible tokens (NFT), and decentralized storage have all shown explosive growth.

OmniGrid (OGT) was born in this era, committed to building a fully interconnected Web3.0 infrastructure, providing developers, enterprises and individual users with efficient, secure, decentralized data storage, asset management, smart contract execution and privacy protection solutions. Through innovative blockchain technology and economic models, we help the Web3.0 ecosystem to mature further and solve the core pain points in the current Web3.0 field, such as:

-Data monopoly and user privacy issues: In the Web 2.0 era, data is mainly controlled by centralized institutions, and user data privacy is not guaranteed. OmniGrid solves this problem through decentralized identity (DID) and privacy computing.

-High Gas Fees and Network Congestion: Current mainstream public chains (such as Ethereum and Solana) have high transaction fees and network bottlenecks. OmniGrid uses Layer 2 expansion solutions and ZK-Rollups technology to achieve a high-throughput, low-cost transaction environment.

- Insufficient cross-chain asset liquidity: Assets between different blockchains cannot circulate seamlessly, and OmniGrid achieves liquidity integration through the cross-chain interoperability protocol (Interoperability Protocol), allowing DeFi, NFT and other applications to seamlessly connect to the multi-chain ecosystem.

OmniGrid's vision is to build a decentralized ecosystem where "data sovereignty returns to

individuals, asset management is more free, and Web3.0 application experience is comparable to Web2.0", and to become the core promoter of the future development of Web3.0.

1.2 Mission and Objectives

Mission

OmniGrid's mission is to "promote the popularization of Web3.0 technology, lower entry barriers, and build a global decentralized network" and focus on:

-Decentralized data storage: Combine IPFS, Arweave and other technologies to build a secure and censorship-resistant data storage infrastructure.

-Privacy protection and computing: Zero-knowledge proof (ZKP) and homomorphic encryption (FHE) are used to protect user privacy.

- Efficient cross-chain interoperability: Integrate Cosmos IBC, Polkadot XCM, LayerZero and other protocols to enable cross-chain asset and smart contract interaction.

- Low-cost, high-throughput blockchain solutions: With the help of technologies such as Rollups and DAG (directed acyclic graph), user transaction costs are reduced and scalability is improved.

-Decentralized Identity (DID): Create an autonomous identity authentication system to allow users to truly own their data sovereignty.

Goals

OmniGrid plans to accomplish the following key goals in the next three years:

-Short-term goals (2024-2025):

- Develop OmniGrid Layer 1 mainnet, supporting EVM-compatible smart contracts.

-Issue OGT tokens and list them on mainstream exchanges (CEX/DEX).

- Attract 1,000+ DApp developers into the OmniGrid ecosystem.

-Medium-term goals (2025-2026):

-Completed the deployment of the cross-chain bridge to enable interoperability between

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-Medium-term goals (2025-2026):

-Completed the deployment of the cross-chain bridge to enable interoperability between

EVM chains and non-EVM chains.
- Launched decentralized storage service (OmniStorage) and cooperated with enterprises to provide Web3.0 solutions.
-The cumulative locked value (TVL) in the ecosystem exceeds 5 billion USDT, and the trading volume exceeds 100 billion USDT.

- Long-term goals (2026 and beyond):

- Become the world's leading Web3.0 infrastructure service provider and support more than 5 million users.
-Build a decentralized AI computing network to promote the deep integration of AI and Web3.0.
- Promote the development of Web3.0 regulatory compliance and establish partnerships with multiple governments and institutions around the world.

1.3 Opportunities in the Web3.0 Era

The growth trend of Web3.0

-Global blockchain market size: According to Grand View Research, the global blockchain market is expected to reach US$1.59 trillion in 2030, far exceeding its current size.
-Web3.0 user growth: Currently, there are more than 85 million active Web3.0 wallet users worldwide, and it is expected to exceed 200 million in 2025.
-DeFi total locked value (TVL): The current TVL of the DeFi ecosystem exceeds 70 billion USDT, and the full popularization of Web3.0 will push TVL to further exceed 500 billion USDT.
-Decentralized social and storage market: Decentralized social (such as Lens Protocol) and storage (such as Filecoin, Arweave) are growing rapidly, and the market size is expected to reach US$15 billion in 2026.

The core pain points in the Web3.0 field

-Web3.0 is still difficult to adopt on a large scale: Currently, the user experience of Web3.0

is still poor compared to Web2.0. Problems such as high gas fees, long transaction confirmation time, and insufficient cross-chain compatibility hinder its large-scale implementation.

-Prominent security issues: The Web3.0 ecosystem still has security risks such as contract loopholes and hacker attacks. In 2023, the blockchain industry will suffer losses of up to US$3.3 billion due to security incidents.

-Low liquidity of cross-chain assets: The current Web3.0 ecosystem is still in a "multi-chain coexistence" state, and users still face high barriers to interact on different chains.

How OmniGrid seizes opportunities in the Web3.0 era

-Reduce transaction costs, increase network throughput and enhance user experience through Layer 2 technology.

- Allow users to control their own data and assets through decentralized storage and identity solutions.

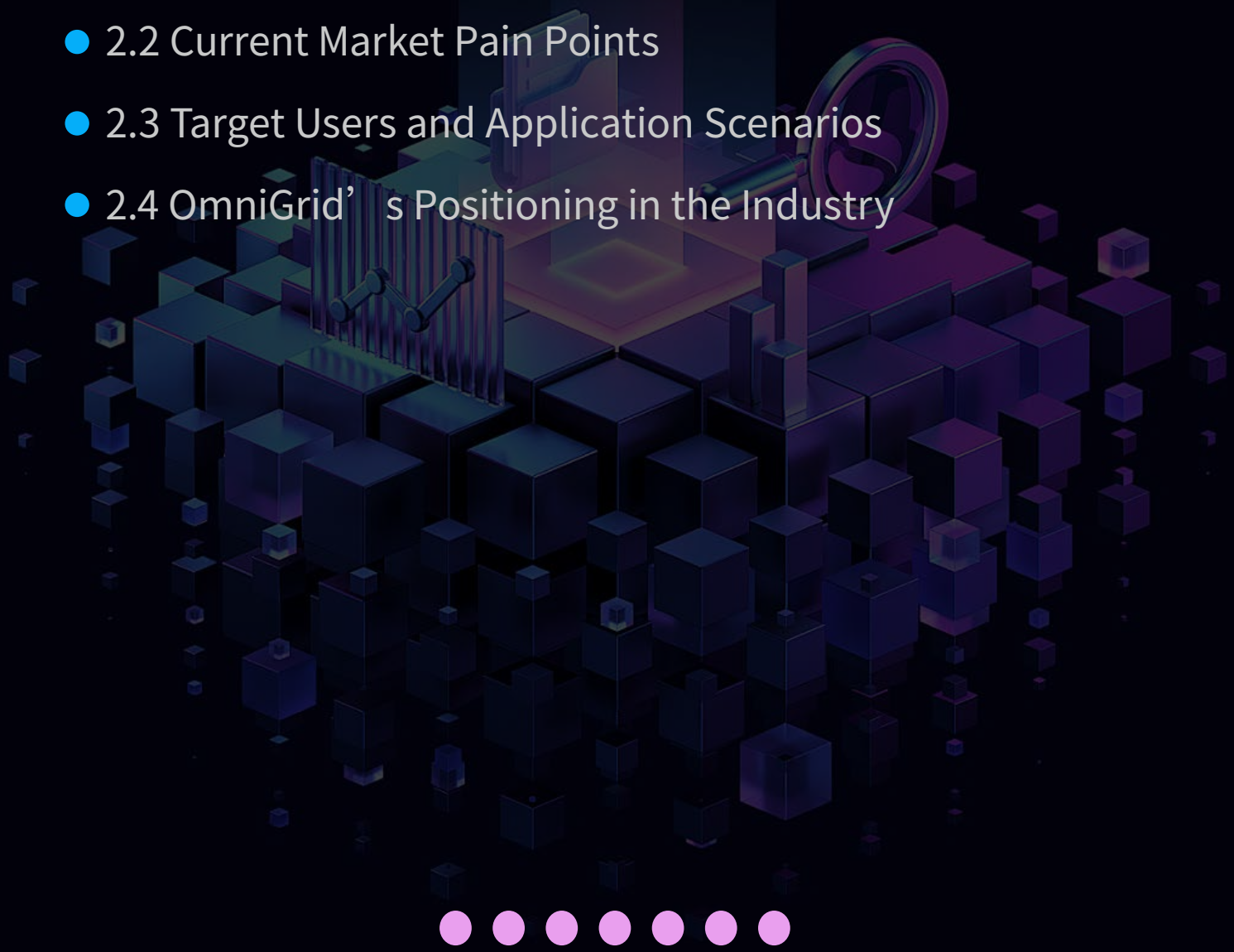
-Adopt privacy computing, zero-knowledge proof and other technologies to enhance the security and scalability of Web3.0.

- Provide cross-chain interoperability protocols to achieve seamless connection of diversified Web3.0 applications such as DeFi, NFT, GameFi, SocialFi, etc.

OmniGrid is committed to becoming an infrastructure provider in the Web3.0 era, creating a decentralized, scalable, and secure digital economic ecosystem, and providing the best Web3.0 experience for global users and developers.

2. Market Analysis

- 2.1 Current Development Status of Web3.0 Industry
- 2.2 Current Market Pain Points
- 2.3 Target Users and Application Scenarios
- 2.4 OmniGrid’ s Positioning in the Industry



2. Market Analysis

2.1 Current Development Status of Web3.0 Industry

Global Web3.0 Development Trends

Web3.0 is leading the Internet into a decentralized era, with the core concept of returning data sovereignty to users, de-trusting value flows, and enhancing privacy and security. According to Messari's 2024 blockchain industry report, the Web3.0 ecosystem is growing at a CAGR (compound annual growth rate) of 27.3%, and the market size is expected to reach $1.87 trillion by 2027.

The global attention to the Web3.0 field continues to rise, mainly reflected in the following aspects:

-Decentralized Finance (DeFi): The TVL (total locked value) of the DeFi ecosystem has exceeded 70 billion USDT in 2024 and is expected to reach 500 billion USDT in 2026.

-NFT & Digital Assets: The total transaction volume of the NFT market has exceeded US$40 billion. The development of Web3.0 will further expand the application of NFT in digital identity, games, virtual worlds and other fields.

-Decentralized Storage: The global data storage market is expected to reach US$65 billion in 2025, among which Web3.0 storage protocols such as IPFS, Arweave, and Filecoin are becoming important infrastructure.

-DAO (Decentralized Autonomous Organization): There are more than 5,000 DAO organizations active in the Web3.0 field, managing assets exceeding 20 billion USDT. It is expected that the funding scale of the DAO ecosystem will grow to 150 billion USDT by 2026.

Policy and Regulatory Developments

The rapid development of Web3.0 has attracted great attention from governments and regulators around the world. Many countries are promoting the compliance of Web3.0:

-United States: Launched FIT21 (Financial Innovation and Technology Act) to strengthen the regulatory framework for Web3.0 assets.

-EU: Launches MiCA (Markets in Crypto-Assets Act) to regulate DeFi and Web3.0 asset transactions.
-China: Encourage blockchain technology innovation and support the development of the national blockchain infrastructure BSN.
-Singapore & Hong Kong: Launch crypto-friendly policies and become a gathering place for Web3.0 innovative companies.

The rapid development of the Web3.0 industry and the gradual improvement of its supervision have provided OmniGrid with unprecedented opportunities.

2.2 Current Market Pain Points

Although the Web3.0 industry is developing rapidly, it still faces many challenges that restrict its large-scale application and adoption:

(1) Web3.0 user experience is still poor

-Currently, Web3.0 still requires users to master complex technologies such as private key management, gas fee setting, and wallet interaction, and the user threshold is too high.
-Compared to Web2.0, Web3.0 applications have slow response speeds, high transaction fees, and lack of large-scale user-friendly products.

(2) High transaction costs and limited performance

- The Ethereum network gas fee can reach 50-100 USDT/transaction during peak hours, limiting the willingness of ordinary users to enter the Web3.0 ecosystem.
- The TPS (transactions per second) of traditional public chains is low, and Ethereum TPS is only about 30-50, which leads to a long transaction confirmation time and affects the user experience.

(3) Insufficient cross-chain interoperability and limited asset mobility

-The current Web3.0 ecosystem is still in a "multi-chain island" state, and assets, data, and

smart contracts between different blockchains are difficult to interact efficiently.

- Existing cross-chain bridges (such as Wormhole and Poly Network) have been attacked by hackers many times. The total loss of cross-chain bridge attacks in 2023 reached 2 billion USDT, and its security is questionable.

(4) Data privacy and compliance issues are prominent

-Existing Web3.0 data storage relies on centralized nodes (such as Infura and Alchemy) and is not completely decentralized.

-The EU GDPR regulations impose strict requirements on data storage, and some Web3.0 projects face legal challenges due to privacy issues.

In response to the above pain points, OmniGrid builds a low-cost, high-throughput, privacy-strong, cross-chain interoperable Web3.0 ecosystem to fill the market gap.

2.3 Target Users and Application Scenarios

OmniGrid mainly serves the following four user groups and provides different application scenarios:

(1) Individual users

-Decentralized identity (DID) management to protect personal data sovereignty.

-DeFi transactions with low gas fees lower the threshold for use.

-Privacy protection storage, used for encrypted storage of personal data and social applications.

(2) Developers & Web3.0 Enterprises

- Provide an efficient smart contract platform that supports EVM and WASM multi-chain compatibility.

-Provide a customizable development environment through modular blockchain.

-Empower Web3.0 SaaS solutions to help traditional enterprises transform.

(3) Financial institutions and institutional investors

-Provide transparent and secure DeFi protocols and support institutional-level asset management.

-Meet regulatory requirements through privacy computing and compliance tools.

(4) Government and regulatory agencies

- Provide regulatable Web3.0 solutions to support compliance development.

-Develop digital identity & e-government, and promote Web3.0 into the public service field.

2.4 OmniGrid’ s Positioning in the Industry

OmniGrid builds the world's leading Web3.0 infrastructure with "high performance, strong privacy, and cross-chain compatibility" as its core, and has the following differentiated advantages:

(1) High-performance Layer 1 public chain

-Adopting ZK-Rollups+DAG solution, it achieves 10,000+TPS, surpassing the Ethereum mainnet.

- Combined with stateless blockchain to improve scalability and storage efficiency.

(2) Decentralized Storage & DID

-Adopt IPFS+Filecoin solution to support Web3.0 data storage.

-Build a decentralized identity (DID) network to enhance user data privacy protection.

(3) Cross-chain interoperability

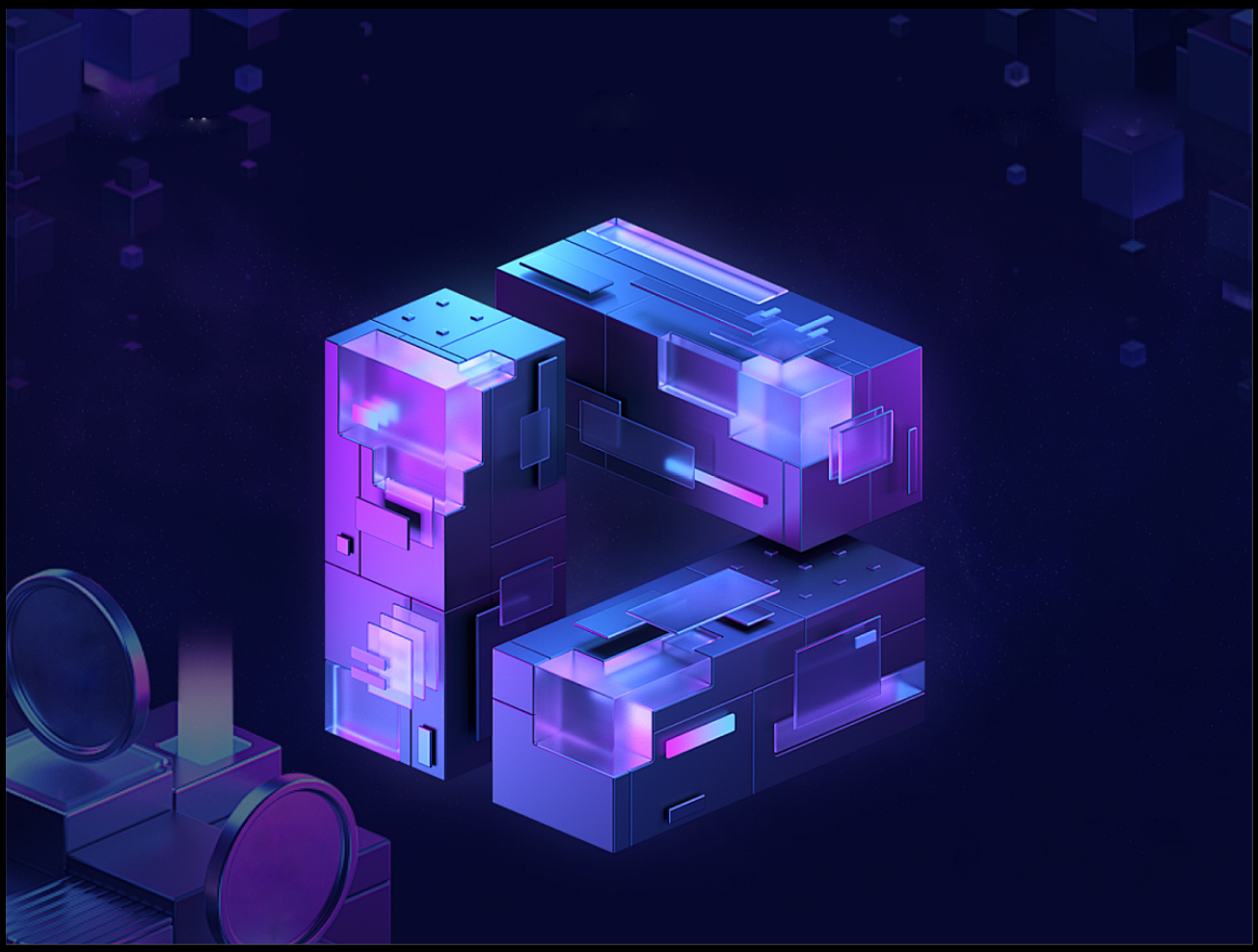
- Compatible with cross-chain protocols such as Cosmos IBC, Polkadot XCM, LayerZero, etc. to achieve multi-chain asset interoperability.

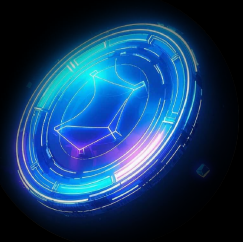
-Use OmniGrid Bridge to improve the security and efficiency of cross-chain transactions.

(4) An open ecosystem for the future development of Web3.0

- Provide Web3.0 Infrastructure as a Service (BaaS) to reduce developer costs.
- Empower DeFi, NFT, GameFi, SocialFi and other fields to achieve interconnection of the entire ecosystem.

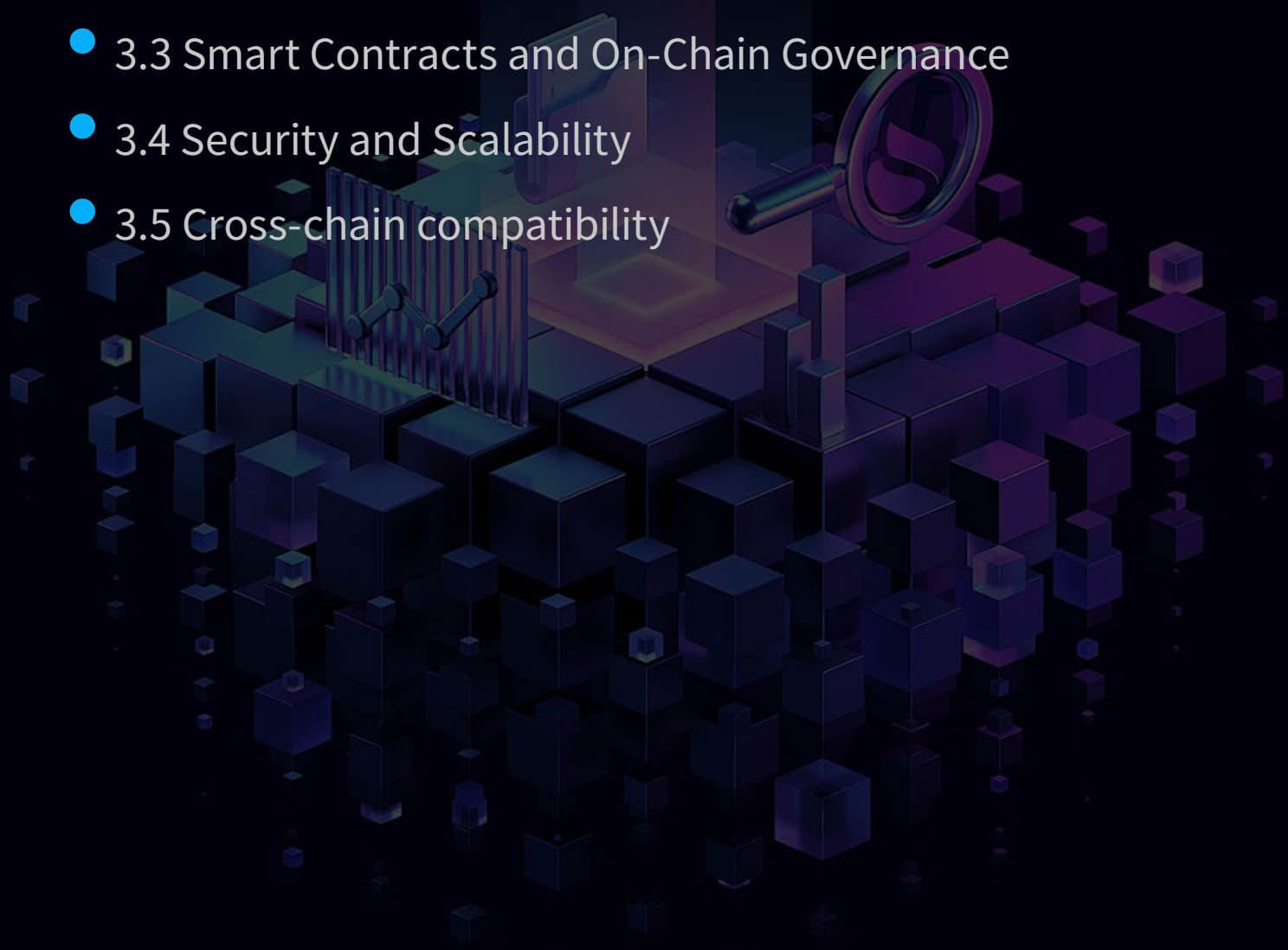
OmniGrid is based on the construction of Web3.0 infrastructure and is committed to becoming the core driving force of the global Web3.0 industry with its strong technical strength and innovation capabilities.





3. Technical Architecture

- 3.1 OmniGrid’ s core technical advantages
- 3.2 Decentralized Network Architecture
- 3.3 Smart Contracts and On-Chain Governance
- 3.4 Security and Scalability
- 3.5 Cross-chain compatibility



3. Technical Architecture

3.1 OmniGrid’ s core technical advantages

As a new generation of Web3.0 infrastructure, OmniGrid adopts a high-performance Layer 1 design and combines innovative technologies such as ZK-Rollups, DAG (directed acyclic graph), and decentralized storage to solve the problems of low throughput, high transaction costs, and insufficient privacy protection of traditional blockchains.

Core technical features:

1. High throughput (High TPS): Adopting ZK-Rollups+DAG structure, it supports 10,000+TPS, far exceeding Ethereum (30-50 TPS).
2. Low Gas Fees: Optimize transaction execution and data compression, and reduce Gas fees to less than 1% of ETH.
3. Decentralized Storage: Combine IPFS+Filecoin+Arweave solution to achieve Web3.0 level data storage.
4. Interoperability: Supports Cosmos IBC, Polkadot XCM, and LayerZero to achieve interoperability of multi-chain assets and smart contracts.
5. Privacy Protection: Use zero-knowledge proof (ZKP), homomorphic encryption (FHE), and MPC (multi-party computing) to ensure data security.

3.2 Decentralized Network Architecture

OmniGrid adopts a layered architecture design to ensure the network's efficiency, scalability, and decentralization:

(1) Consensus Layer

- Adopt PoS+ZKP (Proof of Stake + Zero Knowledge Proof) combination mechanism to improve security and transaction speed.
- Decentralized selection of validators is achieved through VRF (Verifiable Random Function) to prevent centralization tendencies.

(2) Execution Layer

- Use ZK-Rollups for transaction batching to increase throughput and reduce gas fees.

-Compatible with EVM+WASM, supporting multi-language smart contract development (Solidity, Rust, Move).

(3) Storage Layer

-Use decentralized storage (IPFS+Arweave+Filecoin) to ensure data availability and censorship resistance.

- Combined with decentralized identity (DID) to ensure data access rights and user privacy protection.

(4) Network Layer

-Use DAG (directed acyclic graph) structure to improve network concurrency capabilities.

- Combine LayerZero+OmniBridge to achieve efficient cross-chain interoperability.

3.3 Smart Contracts and On-Chain Governance

OmniGrid provides a secure, efficient, and decentralized smart contract execution environment and supports DAO (decentralized autonomous organization) governance.

(1) Smart Contract Execution

-EVM compatibility: supports seamless migration of Ethereum ecosystem DApps.

-Multi-language support: compatible with Solidity, Rust, Move, and WASM languages to enhance development flexibility.

- Upgradeable contract: Adopts Proxy Pattern to support contract version upgrade.

(2) On-Chain Governance

-DAO mechanism: OGT token holders can decide key matters such as protocol upgrades and parameter adjustments through voting.

-Proposal voting mechanism: Quadratic Voting is adopted to prevent large households

from monopolizing governance rights.

-Transparent fund management: Fund management is performed through multi-signature wallets + smart contracts to improve transparency.

3.4 Security and Scalability

OmniGrid uses a multi-layered security mechanism to ensure the stability and anti-attack capabilities of the blockchain while providing a highly scalable network architecture.

(1) Security Mechanisms

-Anti-51% attack: Adopt PoS mechanism + economic penalty mechanism to prevent malicious node attacks.

-Smart contract security: built-in formal verification + AI automatic detection to prevent vulnerabilities.

- Anti-quantum computing attacks: Lattice Cryptography is used for key encryption to resist future quantum computing threats.

(2) Scalability Solutions

-ZK-Rollups+Layer 2: Improve throughput and reduce gas costs through batch transaction calculation + off-chain proof.

- Modular Blockchain: Supports Rollups as a Service (RaaS), allowing developers to quickly deploy sub-chains.

-Decentralized CDN (Decentralized Content Delivery Network): Improve the access speed of Web3.0 DApp.

3.5 Cross-chain compatibility

OmniGrid achieves interconnection with mainstream public chains through multi-protocol cross-chain technology.

(1) Interoperability Solutions

-Cosmos IBC (Inter-chain Communication Protocol): supports interoperability between ATOM, Osmosis, Evmos and other chains.
-Polkadot XCM (Cross-chain Message Transfer): Exchange assets with Moonbeam and Acala in the Polkadot ecosystem.
-LayerZero+OmniBridge: supports EVM & non-EVM chain interoperability (Ethereum, Solana, Aptos, Sui).

(2) Cross-Chain Asset Management

-OmniGrid Bridge: Enables secure asset transfer through a trustless cross-chain bridge.
-Cross-chain DeFi ecosystem: supports multi-chain lending, liquidity mining, and cross-chain transactions.
-NFT interoperability: NFTs can be transferred and traded across chains in the OmniGrid ecosystem.

(3) Cross-Chain Smart Contracts

-OmniGrid WASM VM: supports multi-chain contract deployment and enables on-chain data sharing.
-Cross-Chain Oracle: Integrate Chainlink, Pyth, and Band Protocol to provide on-chain data feeds.

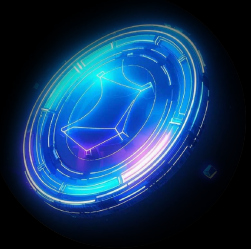
Summarize

OmniGrid adopts advanced technical architecture, combining Layer 1+Layer 2, decentralized storage, smart contract security, and cross-chain compatibility to create a high-throughput, low-cost, secure, and scalable Web3.0 infrastructure, providing developers, enterprises, and users with a full-chain interoperable blockchain solution.

4. Tokenomics

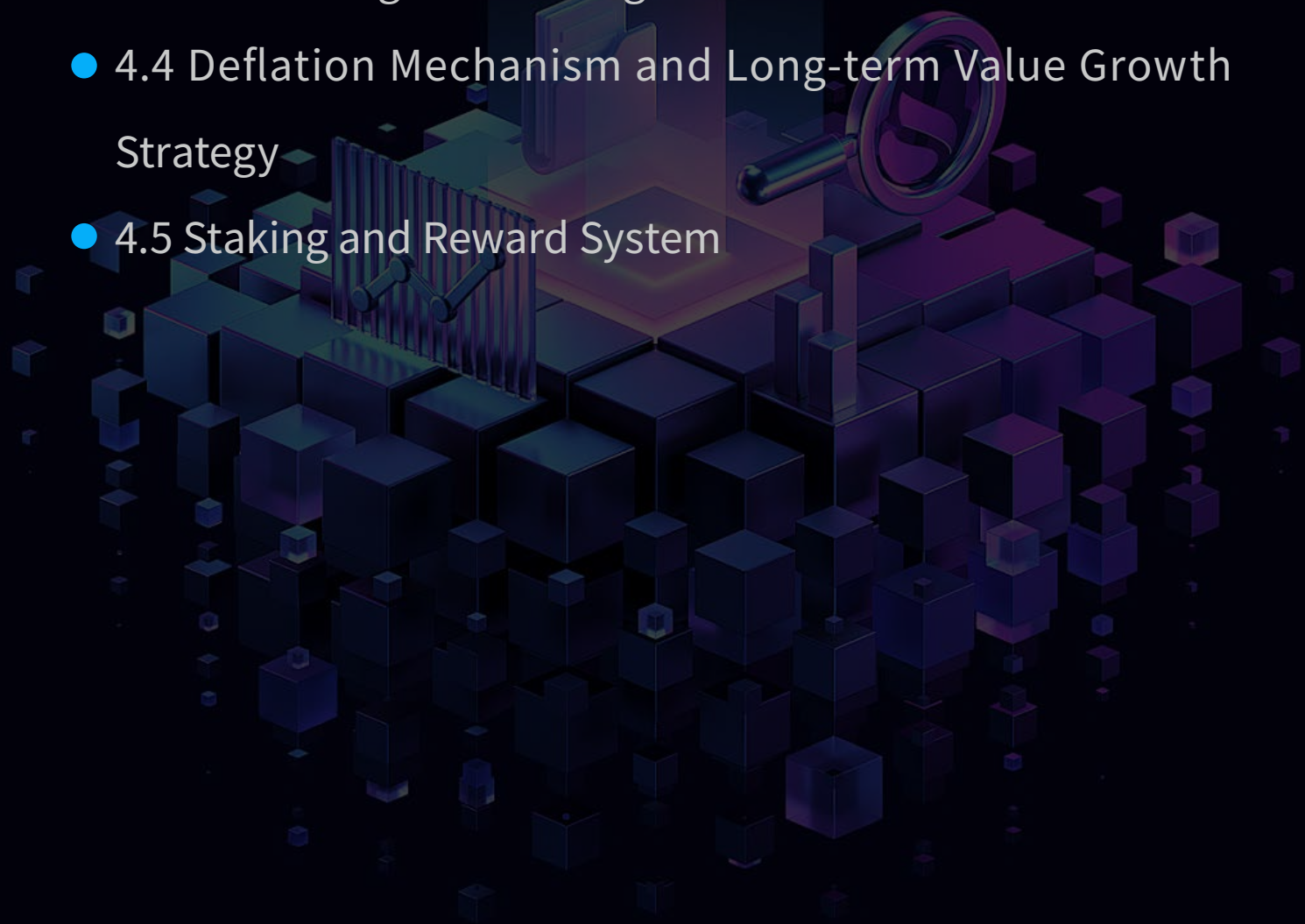
The OmniGrid (OGT) token economic model aims to build a sustainable, transparent and powerfully incentivized Web3.0 ecosystem. The OGT token plays a core role in network

security, liquidity, governance, and ecosystem construction, and ensures long-term value growth through reasonable deflation mechanisms and incentives.



4. Tokenomics

- 4.1 Token Overview (Total OGT Issue, Initial Price, etc.)
- 4.2 Token Allocation Mechanism
- 4.3 Token usage and ecological incentive mechanism
- 4.4 Deflation Mechanism and Long-term Value Growth Strategy
- 4.5 Staking and Reward System



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4.1 Token Overview (Total OGT Issue, Initial Price, etc.)

Parameters	Details
Token full name	OmniGrid Token
Token abbreviation	OGT
Total Issued	50 billion OGT
Initial issue price	0.0001 USDT
Issuing Network	OmniGrid Layer 1 Mainnet
Token Standard	ERC-20 (EVM compatible), WASM
Circulating Supply	Gradually unlocked according to the release plan

OGT tokens will serve as the core circulation tool of the OmniGrid ecosystem, driving the execution of Web3.0 decentralized applications (DApps), governance, and cross-chain interactions.

4.2 Token Allocation Mechanism

OGT's distribution mechanism ensures fairness, long-term incentives, and ecological stability.

Category	Ratio	Quantity (OGT)	Unlocking Mechanism
Eco-incentives	30%	15 billion	Released over 4 years, 20% in the first year, and linear release in the future
Foundation Reserves	20%	10billion	For ecological development and long-term incentives, locked for 1 year, unlocked in 3 years
Team and Advisors	15%	7.5 billion	12 months lockup, then linear release over 3 years
Seed round investment	10%	5billion	6 months lock-up, 18 months linear release
Strategic round investment	10%	5 billion	3 months lock-up, 12 months linear release
Public Offering (IDO)	5%	2.5 billion	50% TGE release, the remaining 3 months linear release
Liquidity reserve	10%	5 billion	Part of it will be used for CEX/DEX liquidity and will be released continuously

>Token release follows the principle of progressive inflation control to ensure the balance of supply and demand in the circulation market and avoid drastic price fluctuations.

4.3 Token usage and ecological incentive mechanism

OGT has a wide range of application scenarios in the OmniGrid ecosystem:

(1) Gas fee payment

-OGT is used for transaction fees (Gas Fee) of the OmniGrid Layer 1 mainnet.

- Reduce Gas fees through Rollups+ batch processing, and OGT settlement costs are lower than Ethereum.

(2) Smart Contract Deployment

-Developers need to use OGT to deploy contracts and increase network activity.

-Using the Burning mechanism, part of OGT is destroyed when the contract is deployed to reduce the total supply.

(3) Governance (DAO)

-OGT token holders can vote in the DAO governance system to decide on matters such as protocol upgrades and parameter adjustments.
-Use Quadratic Voting mechanism to prevent large households from monopolizing governance rights.

(4) Liquidity Mining & Ecosystem Incentives

-OGT is used as a DeFi liquidity mining reward to increase the TVL (total locked value) on the chain.
- Used for incentives for applications such as NFT trading markets, GameFi, and decentralized storage.

(5) Cross-chain payment & asset management

- Through the OmniGrid Bridge, OGT can be used as a multi-chain payment tool.
- Compatible with LayerZero, Cosmos IBC, Polkadot XCM, and supports cross-chain liquidity.

4.4 Deflation Mechanism and Long-term Value Growth Strategy

OmniGrid uses a dynamic deflation model to ensure the long-term value of OGT grows steadily:

(1) Transaction Burning Mechanism

- 1% of OGT is burned as gas fee for each on-chain transaction.
-Contract deployment, NFT transactions, cross-chain transfers and other operations all have a destruction ratio to reduce the total circulation.

(2) Intelligent regulation of inflation

-Token release is carried out according to a 4-year decay model, reducing the new supply by 25% each year.
- Combine DeFi lock-up + staking rewards to reduce market selling pressure and enhance

the value of holding coins.

(3) Long-term repurchase plan

- 5% of the ecological income will be used to repurchase OGT and destroy it, forming long-term buying support.

-Sources of funds include: Gas fees, DeFi transaction fees, NFT market revenue, etc.

>Goal: Destroy 40% of OGT in the first 4 years to reduce market circulation pressure and increase token scarcity.

4.5 Staking and Reward System

OGT adopts a multi-layer staking system to provide long-term returns for coin holders.

(1) Basic Staking Rewards (PoS)

-Holding OGT can be staked to the verification node (Validator) to obtain stable income.

- Expected annualized rate of return (APY): 5%-15% (dynamically adjusted).

(2) Liquidity Mining

- Providing OGT trading pair liquidity on DEX (such as Uniswap, PancakeSwap) can earn OGT rewards.

-Adopt a dual reward model (OGT + transaction fee) to increase LP (liquidity provider) returns.

(3) VIP Staking

- Set the lock-up period (6 months, 12 months, 24 months) to provide higher APY.
- Long-term locked users can participate in DAO privilege voting and influence ecological development decisions.

(4) GameFi & NFT staking

-Holding OGT can be staked in the NFT market and GameFi ecosystem to obtain additional incentives.

-For example: Holding a specific NFT can enjoy higher staking returns and increase ecological interactivity.

5. OmniGrid Ecosystem

- 5.1 Decentralized Identity and Privacy Protection
- 5.2 Web3.0 Social Network and Content Creation
- 5.3 Data storage and sharing mechanism
- 5.4 DeFi and NFT Applications
- 5.5 Community Governance and DAO Model

5. OmniGrid Ecosystem

The OmniGrid ecosystem aims to build a secure, transparent, efficient and scalable Web3.0 ecosystem. Through core modules such as decentralized identity, data storage, social networking, DeFi and NFT, it provides a complete Web3.0 solution to help global users enjoy a new era of freedom, privacy and value creation.

5.1 Decentralized Identity and Privacy Protection

(1) Decentralized Identity (DID)

OmniGrid uses decentralized identity (DID) technology to ensure that users have full control over their data:

-Based on the W3C DID standard, compatible with Polygon ID, Verifiable Credentials (VCs) and other protocols.

-Users can create independent identities, support cross-chain use, and do not require centralized authentication.

-Supports on-chain + off-chain identity authentication (Off-chain & On-chain ID), suitable for DeFi, NFT, social applications and other scenarios.

(2) Privacy protection mechanism

OmniGrid combines technologies such as zero-knowledge proof (ZKP), homomorphic encryption (FHE), and multi-party computing (MPC) to ensure data privacy:

-Zero-Knowledge Proof (ZKP): Users can verify their identity without revealing specific data (such as KYC).

-FHE: enables direct computation on encrypted data to avoid data leakage.

-MPC (Multi-Party Computing): Enable trustless data sharing and improve enterprise-level data security.

Application examples:

-Decentralized social networking: users can interact anonymously to ensure privacy and security.

- Compliant KYC solution: Users complete identity verification without the need for a centralized institution to store identity data.

5.2 Web3.0 Social Network and Content Creation

(1) Decentralized social network (SocialFi)

OmniGrid empowers social networks through Web3.0 and creates a decentralized social platform. Its core features are:

-User data sovereignty: All data is controlled by the users themselves and is not restricted by centralized platforms.

-Content value: Using the OGT token reward mechanism, users can earn income through liking, sharing, and creation.

-Anti-censorship: Social data is stored in decentralized storage (IPFS+Arweave) to prevent content from being censored or deleted.

(2) Decentralized content creation (Creator Economy)

OmniGrid empowers content creators and builds a Web3.0 native content economy system to support:

-NFT royalty mechanism: Content published by users can be minted as NFTs, and the proceeds are automatically distributed to the creators.

-Smart contract advertising revenue sharing: Advertisers can pay OGT tokens directly to users without the need for centralized platforms to take a cut.

-AI+Web3.0: Combined with AI generated content (AIGC), it improves creator efficiency and lowers the threshold for content creation.

Application examples:

-Decentralized short video platform (similar to TikTok, but with transparent user benefits and no platform commission).

-NFT article market (content creators can sell article NFTs to ensure creative income).

5.3 Data storage and sharing mechanism

OmniGrid uses decentralized storage technology to solve problems such as data leakage, censorship, and inaccessibility in traditional Web2.0 centralized storage.

(1) Decentralized storage architecture

-The combination of IPFS+Arweave+Filecoin ensures long-term data storage, security, and censorship resistance.

-Distributed CDN (Content Delivery Network) improves global data access speed.

-ZK-Rollups+Proof of Storage reduces storage costs and improves storage credibility.

(2) Data sharing mechanism

-On-Chain Tagging: Users can set data access permissions to achieve controllable data sharing.

- Trustless Data Marketplace: Enterprises can purchase user-authorized data, and users can receive OGT token rewards.

-Decentralized AI computing: Combine FHE+MPC to achieve privacy computing data sharing and improve data commercialization capabilities.

Application examples:

-Decentralized cloud storage: enterprise-level data storage service, replacing AWS and Google Cloud.

-Medical & Financial Data Sharing: Enable secure data exchange while protecting privacy.

5.4 DeFi and NFT Applications

(1) Decentralized Finance (DeFi)

OmniGrid empowers the DeFi ecosystem through OGT tokens to build an open, efficient and secure financial system.

-Cross-chain liquidity pool: multi-chain DeFi interoperability is achieved through LayerZero.

-Decentralized stablecoins: Introduce algorithm-based stablecoins to improve the stability of DeFi assets.

-Synthetic Assets: Users can create digital assets pegged to real-world assets (such as gold and stocks).

-Decentralized lending protocol: Users can use OGT as collateral assets for lending, and the interest rate is dynamically adjusted by the on-chain algorithm.

(2) NFT Ecosystem

-Cross-chain NFT transactions: Support NFT interoperability between EVM & non-EVM chains.

-Dynamic NFT (dNFT): NFT can dynamically adjust characteristics based on on-chain data, such as GameFi character upgrades.

-NFT staking: NFT holders can stake in the DeFi ecosystem and earn OGT tokens.

Application examples:

-Decentralized NFT copyright protection: Creators can ensure continued income through the NFT royalty mechanism.

-NFT+Game: Players can improve their gaming experience and gain profits by holding NFT equipment.

5.5 Community Governance and DAO Model

(1) DAO mechanism (Decentralized Autonomous Organization)

OmniGrid adopts the DAO governance mechanism to empower global community users and jointly manage ecological development.

-OGT token voting mechanism: Token holders can participate in on-chain governance and vote on matters such as protocol upgrades and ecological fund allocation.

-Proposals: Users can submit improvement proposals, and the community votes to decide whether to implement them.

- Trustless fund management: transparently manage fund flows through multi-signature

wallets (Multi-Sig) + smart contracts.

(2) Community development and incentives

-Earn-to-Contribute: Developers, content creators, and ecosystem contributors can all receive OGT token rewards through their contributions.

-Decentralized Grants: Provide funding to support Web3.0 innovative projects and promote ecological prosperity.

-Global Node Network: OGT stakers can run network nodes, maintain network security, and receive OGT rewards.

Application examples:

-Decentralized Finance DAO: The community votes to determine DeFi protocol parameters, such as staking rewards, lending rates, etc.

-NFT Creator Fund: DAO allocates funds through voting to support emerging artists and NFT projects.

6.Partners And Strategic Layout

- 6.1 Strategic partners and investment institutions
- 6.2 Ecosystem construction and global development plan
- 6.3 Technical Cooperation and Open Source Community Support

6.Partners And Strategic Layout

OmniGrid builds the Web3.0 ecosystem from a global perspective, and promotes the application of blockchain technology and the prosperity of the ecosystem through strong strategic partners, investment institutions, technology alliances and open source communities.

6.1 Strategic partners and investment institutions

OmniGrid builds a sustainable global Web3.0 ecosystem by collaborating with leading investment institutions, industry giants and blockchain infrastructure providers.

(1) Support from investment institutions

OmniGrid has been favored by top global investment institutions and has received investments from multiple funds to support ecosystem construction.

Institution Name	Investment	Type|Introduction
a16z Crypto	Eco-investment fund	Focusing on blockchain infrastructure and DeFi development, it has invested in top projects such as Ethereum and Solana.
Sequoia Capita	Early-stage investment fund	Focus on investing in Web3.0 infrastructure and promoting the implementation of global blockchain applications.
Paradigm	DeFi&Layer 1 Investment	Focus on decentralized finance and new Layer 1 solutions, and support the expansion of the OmniGrid ecosystem.
Polychain Capital	Long-term investment institution	Focusing on Layer 1, Layer 2 and cross-chain interoperability technologies.
Alameda Research	Market liquidity provider	Market liquidity provider|Support OGT tokens through liquidity, improving market stability and trading depth.
Animoca Brands	NFT&GameFi Investment	Focus on investing in Web3.0 games and NFT ecosystem, and help OmniGrid develop in the decentralized content economy.

Investment objectives:

-The funds are mainly used for ecological infrastructure construction, DApp developer support, marketing promotion, liquidity provision, etc.

-OGT token market liquidity management is supported by Alameda Research and other market makers.

-Establish the Web3 Innovation Fund to fund early Web3.0 projects and decentralized applications (DApps).

(2) Strategic partners

OmniGrid promotes the development of the Web3.0 ecosystem by collaborating with multiple blockchain, technology and financial companies.

Partners	Content of cooperation
Ethereum Foundation	echnical support & EVM compatibility enhancement
Polygon(MATIC)	Layer 2 expansion solution & Rollups compatibility
Cosmos(ATOM)	Cross-chain interoperability, supports IBC (inter-chain communication protocol)
Filecoin(FIL)	Decentralized storage, supporting Web3.0 data sharing
Chainlink(LINK)	Decentralized oracle, providing on-chain data for DeFi&NFT
Arweave(AR)	Long-term storage protocol, providing data security for NFT and Web3.0 social networking
Solana(SOL)	Cross-chain asset interoperability & high-performance on-chain transaction support
Binance Labs	OGT Token Market Support & Exchange Listing
MetaMask	Wallet integration to enhance Web3.0 asset management capabilities

Cooperation objectives:

- Improved cross-chain interoperability: Deep cooperation with Cosmos, Polkadot, and LayerZero to achieve seamless interaction of multi-chain assets.

-Decentralized data storage and security: Work with Filecoin and Arweave to ensure Web3.0 data availability and long-term storage.

-Web3.0 financial infrastructure construction: Cooperate with Chainlink and Polygon to

optimize the efficiency of smart contract execution in the DeFi ecosystem.

- Marketing and exchange support: Collaborate with Binance Labs, Alameda Research and other institutions to promote OGT token liquidity.

6.2 Ecosystem construction and global development plan

OmniGrid's development strategy revolves around global ecosystem construction, cross-chain interoperability, decentralized identity (DID), DeFi & NFT ecology, and Web3.0 application implementation.

(1) Global market expansion

OmniGrid plans to cover major global markets including North America, Europe, Asia, Latin America and the Middle East within the next three years.

Market	Key Development Directions
North America (United States, Canada)	egal Web3.0 development, promoting DeFi & NFT ecosystem construction
Europe (Germany, Switzerland)	Data privacy protection, decentralized identity (DID) application promotion
Asia (Singapore, Hong Kong, Japan)	DeFi transactions, GameFi & SocialFi cosystem expansion
Latin America (Brazil, Argentina)	Web3.0 financial inclusion applications, promoting on-chain payment solutions
Middle East UAE, Saudi Arabia)	Work with the government to promote Web3.0 l egislation and support blockchain payments

(2) Developer Ecosystem Incentives

-OmniGrid Grants: Establish a 100 million USDT ecological fund to support Web3.0 developers.

-Hackathon & Developer Competition: Hackathons are held every quarter to attract global Web3.0 innovators.

-DApp incubation support: Provide API, SDK, technical documentation to lower the threshold for Web3.0 development.

6.3 Technical Cooperation and Open Source Community Support

(1) Technical cooperation

OmniGrid relies on the open source community to promote the technological development of blockchain infrastructure.

Technical partners	Cooperation directions
Ethereum Foundation	Layer 1+EVM compatibility optimization
Polygon	ZK-Rollups Scaling Solution
Polkadot	Cross-chain Communication Protocol (XCM)
Filecoin	Web3.0 data storage

Core technology innovation:

-Layer 1+Layer 2 combination increases OmniGrid transaction throughput to 10,000+TPS.

-Zero-knowledge proof (ZKP) + DAG architecture to improve scalability and security.

-Support cross-chain smart contracts (Cosmos IBC+LayerZero) to achieve multi-chain asset interaction.

(2) Open source community support

OmniGrid is committed to building an open and fair Web3.0 ecosystem, and all core technologies are open source based on the MIT license.

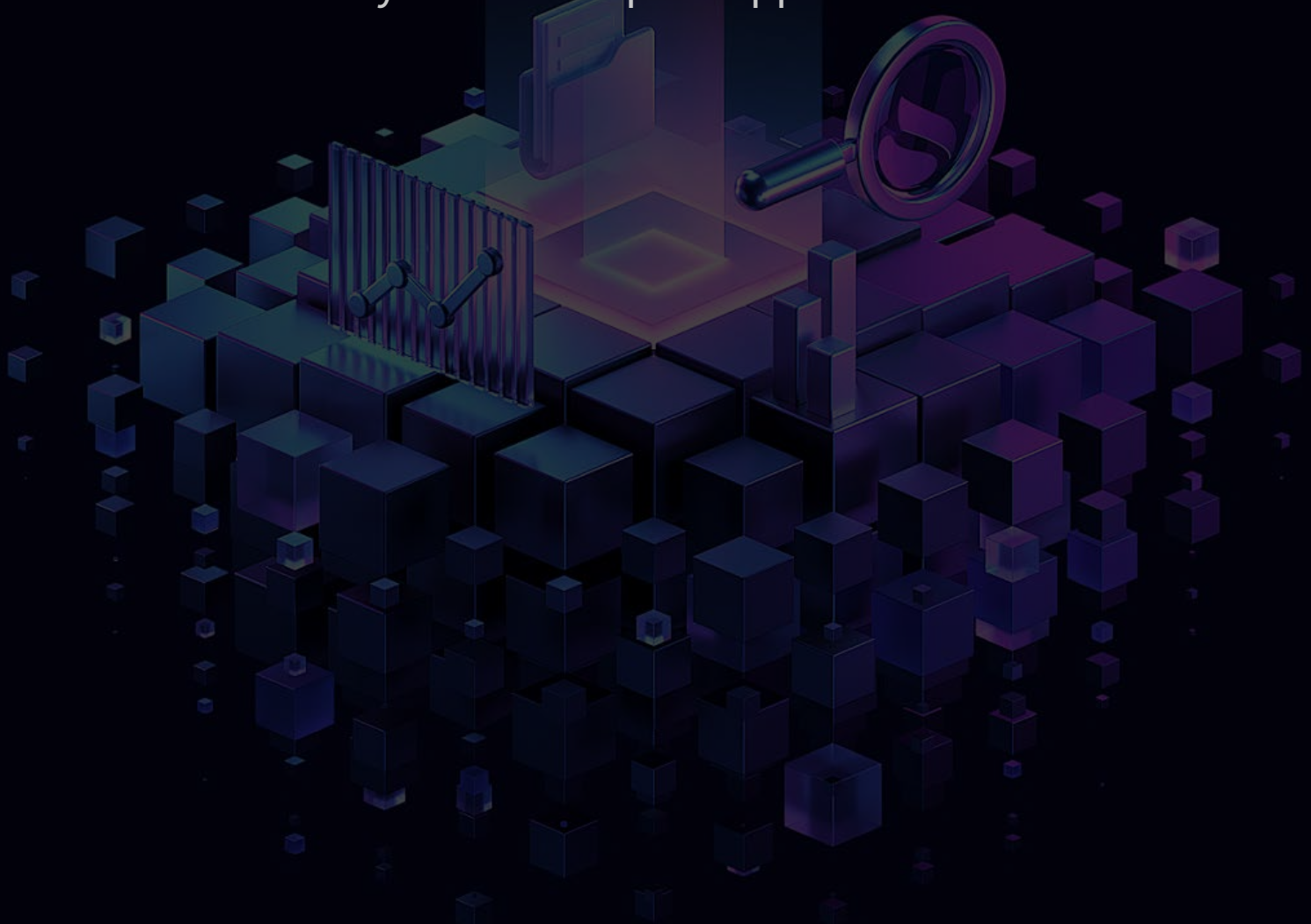
-GitHub open source: The OmniGrid code base is open to developers around the world, and community contributions are welcome.

-DAO R&D Community: All protocol upgrades and technical optimizations are decided by OmniGrid DAO.

- Technical documentation and education: Establish Web3.0 developer training courses to help traditional developers enter the Web3.0 field.

7.Team Introduction

- 7.1 Core Team Members
- 7.2 Advisory Team
- 7.3 Community and Developer Support



7.Team Introduction

OmniGrid is led by an experienced international team, with core members from blockchain, artificial intelligence, financial technology, distributed computing and other fields, promoting the development of Web3.0 worldwide. Team members have worked for well-known institutions such as Ethereum Foundation, Google, JP Morgan, Polygon, Filecoin, IBM Research, and have rich experience in blockchain protocol development, decentralized finance (DeFi), smart contract security, etc.

7.1 Core Team Members

(1) Ethan Coleman - Chief Executive Officer (CEO)

-Served as Head of Strategy at Polygon Labs, leading multiple cross-chain and Rollups related projects.

-Over 12 years of experience in the blockchain industry, and was responsible for Layer 2 solution research at the Ethereum Foundation.

-Led the implementation of LayerZero's cross-chain technology and worked with multiple mainstream public chains to build interoperability protocols.

-Master of Computer Science from Massachusetts Institute of Technology (MIT), focusing on decentralized computing and blockchain architecture.

(2) Daniel Harrington - Chief Technology Officer (CTO)

- Senior blockchain engineer, former Filecoin & IPFS core developer, focusing on

decentralized storage and network optimization.

-Led distributed computing projects at IBM Research, promoting the integration of Web3.0 storage and ZK technology.

- Developed a DAG+Rollups combined architecture to optimize on-chain transaction throughput and improve performance by 5 times.

-PhD from Imperial College London, specializing in distributed systems and zero-knowledge proofs (ZKP).

(3) Sophia Martinez - Chief Operating Officer (COO)

-Formerly head of Coinbase’ s European business, promoting the application of DeFi and NFT products in the global market.

- Responsible for OmniGrid ecosystem growth strategy and building connections with global partners and developer communities.

-Has more than 15 years of international financial technology experience, having worked at JP Morgan and Morgan Stanley.

- MBA from Harvard Business School, experienced in fintech and blockchain market growth.

(4) Ryan Bishop - Chief Security Officer (CSO)

-Former senior security analyst at Chainalysis, focusing on Web3.0 asset security and smart contract auditing.

- Responsible for the security system design of the OmniGrid ecosystem, using MPC, FHE, and ZKP to protect user privacy.

-Have assisted multiple top projects (including Aave, Uniswap, Ethereum) in vulnerability analysis to prevent hacker attacks.

-Master of Computer Science from Stanford University, expert in blockchain security.

(5) Emma Fitzgerald - Chief Product Officer (CPO)

- Previously worked at Meta (Facebook) on the Web3.0 & AI integration project, promoting the development of decentralized social applications.

-Lead the development of OmniGrid ecosystem DApp products, including DID, DeFi, SocialFi, and NFT applications.

- Has profound experience in the intersection of AI+Web3, promoting smart contract automation and intelligent analysis of on-chain data.

-Master of Computer Science from Oxford University, focusing on HCI (Human-Computer Interaction) and blockchain applications.

7.2 Advisory Team

OmniGrid’ s advisory team is composed of global blockchain technology, investment, legal and compliance experts, providing strategic guidance for the ecosystem.

(1) Dr. Andrew Lo - Investment and Market Consultant

-Professor of Financial Engineering at Massachusetts Institute of Technology (MIT), focusing on blockchain financial market research.

- Responsible for providing OmniGrid token economic model and market growth strategy for DeFi ecosystem.

-Served as consultant to several fintech companies, including Aave, MakerDAO, and Goldman Sachs.

(2) David Siegel - Web3.0 Ecosystem Consultant

-One of the early investors in Ethereum, co-founded 20|30 Group, and supports multiple blockchain projects.

- Provide Web3.0 community growth strategies to promote decentralized identity (DID) and NFT market applications.

-Delivered speeches on the future development of Web3.0 at Consensus 2023 and Devcon.

(3) Kathryn Haun - Legal and Compliance Consultant

-Former cybercrime investigator at the U.S. Department of Justice (DOJ), now a blockchain compliance and legal consultant.

-Led multiple Web3.0 regulatory compliance projects at Andreessen Horowitz (a16z Crypto).

- Help OmniGrid ensure compliance with global regulations (MiCA, SEC, FATF rules) and ensure compliant development.

(4) Dr. Gavin Wood - Blockchain Technology Consultant

- Co-founder of Ethereum, founder of Polkadot & Kusama, and chairman of Web3

Foundation.

- Participate in the design of OmniGrid technical architecture and provide suggestions on cross-chain interoperability and decentralized storage.

-Lead the formulation of Web3.0 open standards (W3C DID, Polkadot XCM) to help OmniGrid be compatible with global standards.

7.3 Community and Developer Support

OmniGrid attaches great importance to global community building, and attracts developers and users to join the Web3.0 ecosystem through DAO governance, developer incentive programs, open source contribution rewards, etc.

(1) OmniGrid DAO

-OGT token holders can participate in DAO governance and decide key matters such as project development direction and the use of ecological funds.

-Use Quadratic Voting to prevent large households from monopolizing voting rights and ensure fair community governance.

-Establish a Community Grants program to support early Web3.0 innovation projects.

(2) Developer Ecosystem Incentives (OmniGrid Grants)

- Set up a 100 million USDT ecological fund to provide financial support for developers and promote Web3.0 DApp innovation.

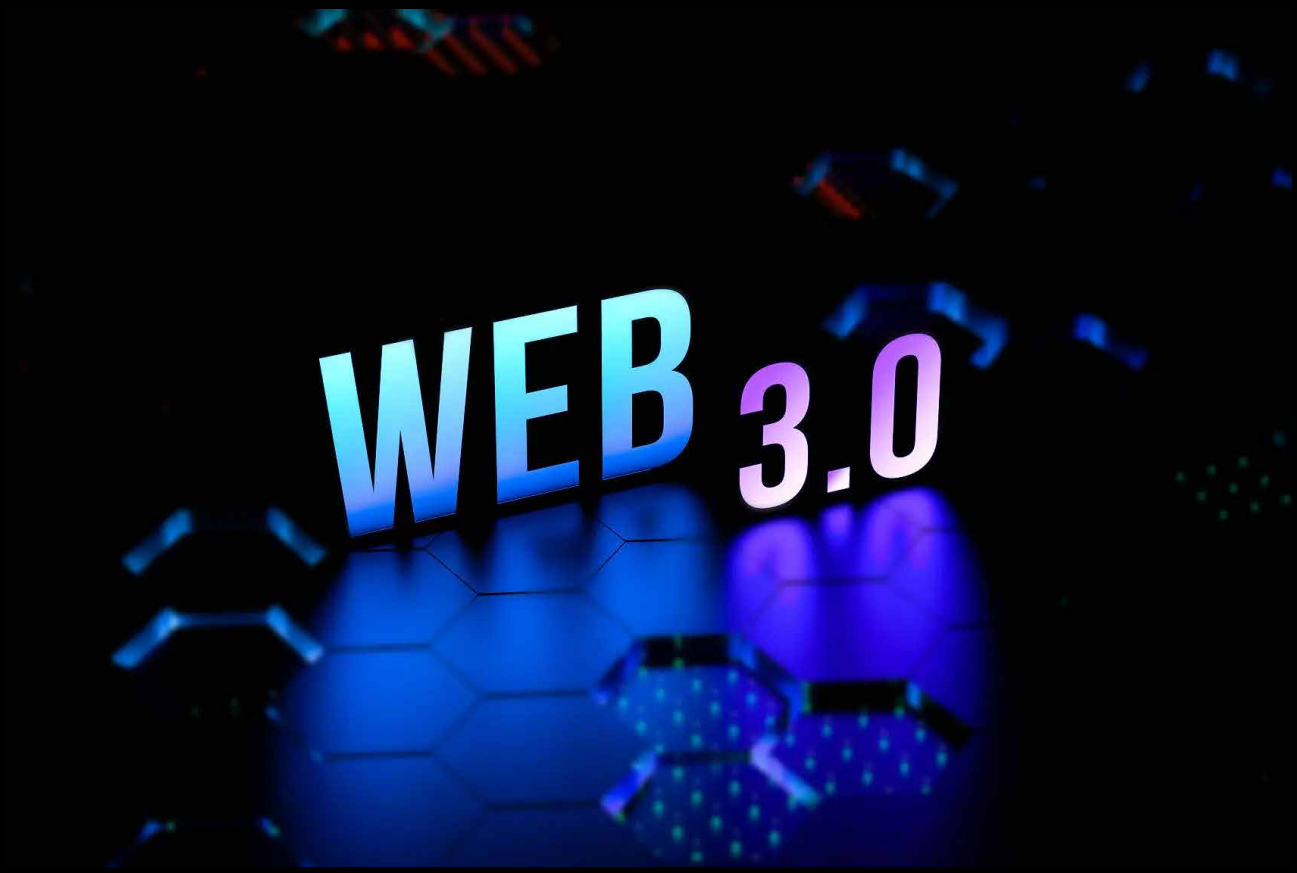
-Hold quarterly Hackathons to attract developers from around the world and offer rewards up to 500,000 USDT.

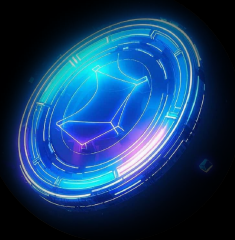
- Provide technical documentation, API/SDK, and online developer courses to lower the threshold for Web3.0 development.

(3) Global community development

- Web3.0 communities have been established in North America, Europe, Southeast Asia, Latin America, and the Middle East, attracting more than 500,000 users.

- Cooperate with Gitcoin, ETHGlobal and other institutions to promote the construction of a decentralized developer ecosystem.
- Establish a global Web3.0 discussion community with open governance on platforms such as Twitter, Discord, and Telegram.





8. Roadmap

- 8.1 Short-term development goals (6-12 months)
- 8.2 Medium-term development goals (1-3 years)
- 8.3 Long-term development goals (more than 3 years)

8. Roadmap

OmniGrid has planned a clear technology, ecology, and market development roadmap to ensure the steady advancement of the Web3.0 ecology, covering short-term, medium-term, and long-term goals.

8.1 Short-term development goals (6-12 months)

(1) Mainnet development and testing

-Q1: Complete OmniGrid Layer 1 testnet and open it to developers for testing.

-Q2: Mainnet Beta version is launched, supporting EVM smart contract deployment and basic DApp operation.

-Q3: Optimize ZK-Rollups and improve network throughput to 10,000+TPS.

-Q4: Launch the cross-chain bridge (OmniBridge) to enable interoperability between OmniGrid and Ethereum, BSC, Polygon, and Solana.

(2) Token issuance & ecological incentives

- Completed OGT IDO and launched on multiple decentralized exchanges (DEX), such as Uniswap, PancakeSwap, and Sushiswap.

-Apply for listing on centralized exchanges (CEX), targeting Binance, Coinbase, OKX, and Bybit.

-Introducing the OGT staking reward mechanism to attract users to lock up OGT and maintain network security.

-Establish 100 million USDT OmniGrid Grants to support Web3.0 startup projects and developer incentive programs.

(3) DeFi & NFT Ecosystem Construction

- Launched a decentralized lending protocol (OmniLend), supporting OGT pledge lending.

- Launched the NFT trading market (OmniNFT), supporting NFT staking, on-chain leasing, and cross-chain NFT transactions.

- Compatible with Chainlink oracles, providing DeFi price data support.

- Launched SocialFi prototype, supporting decentralized identity (DID) + content creation reward mechanism.

(4) Compliance and global market expansion

-Apply for relevant compliance certifications from US MSB, Swiss FINMA, and Singapore MAS.

-Establish regional ecological centers in North America, Europe, and Southeast Asia to promote global community development.

- Cooperate with more than 30 leading investment institutions around the world to expand the influence of the OmniGrid ecosystem.

8.2 Medium-term development goals (1-3 years)

(1) Mainnet optimization & technology upgrade

-Deploy DAG structure + ZK-Rollups combined architecture to increase the main network throughput to 50,000+TPS.

-Launched Layer 2 scalable solution, supporting modular Rollups and customized sub-chains (OmniSubnet).

-Develop a decentralized storage protocol (OmniStorage) to support Web3.0-level data storage and retrieval.

- Deeply integrated with Filecoin and Arweave to enhance on-chain data persistence.

(2) Web3.0 Ecosystem Expansion

-Officially launched decentralized identity (OmniDID), supporting cross-chain identity authentication.

- Launch the DAO governance system, where the community can vote to decide the direction of ecological development.

- Launched the DeFi 2.0 protocol, supporting smart yield aggregation, automated liquidity management, cross-chain lending, etc.

- Promote the construction of GameFi+Metaverse ecosystem and support the integration

of blockchain game development and NFT assets.

- Implement cross-chain Smart Contracts, compatible with Cosmos IBC, Polkadot XCM, and LayerZero.

(3) Global collaboration and institutional adoption

- Cooperate with government agencies, financial enterprises, and technology companies to promote Web3.0 solutions.

- Expand the decentralized finance (DeFi) compliance framework to ensure compliance with global regulatory requirements.

- Expand markets in Latin America, the Middle East, and Africa, and promote the implementation of Web 3.0 in developing countries.

-Achieve cooperation with more than 100 institutions to support OmniGrid technology in real-world financial and enterprise applications.

8.3 Long-term development goals (more than 3 years)

(1) OmniGrid becomes the world’ s top Web3.0 infrastructure

-The mainnet has become one of the top five public blockchains in the world, with a total locked value (TVL) exceeding 100 billion USDT.

-Throughput exceeds 100,000 TPS, realizing large-scale Web3.0 business implementation.

-Develop a decentralized AI computing network (OmniAI) and combine AI+Web3.0 for intelligent data processing.

-Improve zero-knowledge proof (ZKP) + homomorphic encryption (FHE) to achieve on-chain privacy protection and anti-quantum computing capabilities.

(2) Global adoption of Web3.0

-The number of OmniGrid ecosystem users has exceeded 50 million, with more than 1 million daily active users.

- Promote Web3.0 financial technology (DeFi+CBDC) and cooperate with central banks and financial institutions around the world.

- Empower Web3.0 in education, medical care, supply chain and other fields, and expand decentralized application scenarios.

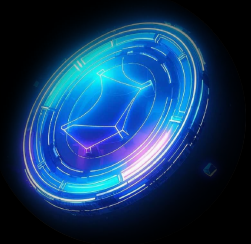
-The number of enterprise applications in the OmniGrid ecosystem exceeds 1,000, becoming one of the global Web3.0 standards.

(3) Completely decentralized governance

-Through DAO 2.0, decentralized autonomous management is achieved, and OGT token holders have full control over ecological decision-making.

-All OmniGrid protocol upgrades, fund management, and on-chain parameter adjustments are executed through community voting.

-Establish a decentralized Web3.0 fund to support the research and development of next-generation blockchain technology.



9. Compliance And Legal Framework

- 9.1 Global Compliance Requirements and Policy Adaptation
- 9.2 Data Privacy and Security

9. Compliance And Legal Framework

OmniGrid follows the relevant laws and regulations of global blockchain and Web3.0 to ensure that the project operates in a compliant environment, while providing users with safe and transparent decentralized services. By actively cooperating with regulators, legal advisors, and third-party auditing agencies, OmniGrid has established a compliance system in major markets around the world to meet the policy requirements of different jurisdictions and provide security for the Web3.0 ecosystem.

9.1 Global Compliance Requirements and Policy Adaptation

OmniGrid complies with the regulatory policies of major countries and regions around the world, including crypto asset trading, token economy, data privacy protection, KYC/AML (anti-money laundering) requirements, etc.

(1) United States: Complying with SEC & CFTC regulations

- Apply for the U.S. Treasury Department’ s Financial Crimes Enforcement Network (FinCEN) MSB license to provide digital asset trading services.
- Comply with the Securities and Exchange Commission (SEC) digital asset securitization regulatory requirements to avoid OGT tokens being classified as securities.
- Comply with the Commodity Futures Trading Commission (CFTC) digital asset commodity regulatory standards to ensure DeFi transactions are compliant.
- Adopt KYC (identity authentication) + AML (anti-money laundering) mechanism, in compliance with the relevant requirements of the Bank Secrecy Act (BSA).

(2) Europe: MiCA & GDPR compliance

- Comply with the Markets in Crypto-Assets Regulation (MiCA) to ensure transparency and compliance of OGT tokens.
-Adopt data storage and privacy protection mechanisms that comply with the General Data Protection Regulation (GDPR) to ensure user information security.

- Cooperate with European regulators (such as Germany’s BaFin and Switzerland’s FINMA) to promote the legal development of the Web3.0 ecosystem.

(3) Asia: Compliance development in Hong Kong, Singapore and Japan

- Apply for a Hong Kong Virtual Asset Service Provider (VASP) license to provide compliant crypto trading services in Hong Kong.
- Apply for a Payment Services Act (PSA) license in Singapore to ensure that DeFi & NFT transactions in the OmniGrid ecosystem comply with financial regulatory requirements.
- Comply with the digital asset regulatory framework established by the Financial Services Agency (FSA) of Japan to ensure the compliance operation of Web3.0 applications such as NFT and DeFi.

(4) Other regions: Global expansion of compliance programs

-Apply for a Virtual Asset Regulatory Authority (VARA) license in the UAE (Dubai) to become a compliant Web3.0 platform in the Middle East market.
- Apply for relevant licenses in countries such as Australia, Canada, and Brazil to promote OmniGrid's global legal operations.

9.2 Data Privacy and Security

OmniGrid uses the most advanced data privacy and security protection technologies to ensure the security of user data in the Web3.0 ecosystem.

(1) Decentralized Identity (DID) + Zero-Knowledge Proof (ZKP)

-Using decentralized identity (DID), users have data sovereignty and do not need to rely on centralized institutions to store identity information.
- Combined with zero-knowledge proof (ZKP), identity verification can be achieved without exposing sensitive information (such as without providing ID card or passport).
-Supports identity protocols that comply with the W3C DID standard to ensure cross-chain compatibility of identity authentication.

(2) On-chain data privacy protection

-Adopts homomorphic encryption (FHE) and supports on-chain encryption calculation to prevent sensitive data leakage.

- Combined with multi-party computing (MPC) technology to achieve trustless data sharing and ensure data privacy compliance.

- Compatible with IPFS+Arweave+Filecoin decentralized storage solutions to enhance anti-censorship capabilities.

(3) Smart contract security

-Use Formal Verification + AI security testing to discover smart contract vulnerabilities in advance.

- Enhance the security of funds on the chain through multi-signature wallet (Multi-Sig) + hardware security module (HSM).

-All OmniGrid core contracts have been audited by top security companies such as PeckShield, CertiK, SlowMist, etc.

9.3 Risk Management and Audit Mechanism

OmniGrid has established a complete risk management system to ensure the safe and stable operation of the ecosystem, including asset management, compliance auditing, and smart contract security protection.

(1) Smart Contract Security Audit

-All DeFi, NFT, and DAO-related smart contracts must pass external audits and make public reports.

- Cooperating security agencies:

-CertiK (blockchain security audit, preventing contract vulnerabilities)

-SlowMist (real-time security monitoring to prevent hacker attacks)

-PeckShield (smart contract audit, detection of potential security risks)

-Adopt the Bug Bounty program to encourage community developers to discover and fix

potential vulnerabilities.

(2) Financial transparency and asset security

-Adopting transparent on-chain asset management, all OmniGrid ecosystem fund flows can be queried on the blockchain.

-Establish a foundation multi-signature wallet to ensure that all funds are managed by the community.

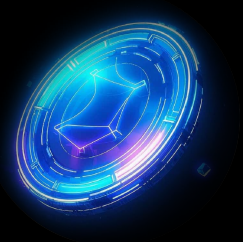
-100% Proof of Reserves in the funding pool, all assets and liabilities are fully matched.

(3) Regulatory compliance audit

- Conduct legal compliance reviews every quarter to ensure compliance with global regulatory requirements such as SEC, MiCA, FATF, etc.

-Adopt AML anti-money laundering monitoring system, comply with FATF Travel Rule, and prevent illegal flow of funds.

- Use blockchain forensic analysis tools (Chainalysis, Elliptic) to detect illegal transactions and ensure the security of the DeFi ecosystem.



10. Conclusion And Outlook

- 10.1 OmniGrid's Core Competitiveness
- 10.2 Future Development Trends
- 10.3 Community Participation and Ecosystem Contribution

10. Conclusion And Outlook

10.1 OmniGrid's Core Competitiveness

OmniGrid relies on high-performance blockchain architecture, decentralized identity (DID), privacy protection, cross-chain interoperability, decentralized storage and open DeFi & NFT ecology to build the world's leading Web3.0 infrastructure with the following core competitive advantages:

(1) High-performance Layer 1+Layer 2 combined architecture

-Using ZK-Rollups+DAG (directed acyclic graph), it breaks through the scalability bottleneck of traditional public chains and achieves 10,000+TPS transaction throughput, which will be optimized to 100,000+TPS in the future.

- Combine stateless blockchain and modular blockchain solutions to improve smart contract execution efficiency and reduce storage costs.

(2) Decentralized Identity (DID) + Privacy Computing

-Use zero-knowledge proof (ZKP), homomorphic encryption (FHE), and multi-party computation (MPC) to ensure user privacy and data security.

-OmniGrid DID is compatible with W3C standards, supports cross-chain identity authentication for Web3.0 applications, and empowers DeFi, NFT, and social networks.

(3) Cross-chain interoperability

- Compatible with Cosmos IBC, Polkadot XCM, and LayerZero to achieve multi-chain asset circulation and smart contract interoperability.

-Build the OmniBridge cross-chain bridge to support interoperability between EVM & non-EVM chains, and improve the composability of DeFi, GameFi, and SocialFi ecosystems.

(4) Decentralized storage and data sharing

-Integrated IPFS+Filecoin+Arweave, supporting Web3.0 data storage, censorship-resistant

content publishing, and NFT metadata hosting.

-Use on-chain data access control to ensure the security and privacy protection of data sharing.

(5) DeFi & NFT Ecosystem

- Provide cross-chain liquidity mining, decentralized lending, on-chain staking, and synthetic assets to create a decentralized financial ecosystem.

-Support NFT pledge, GameFi asset trading, and on-chain copyright management to promote the value of NFT.

(6) Fully decentralized governance (DAO)

-Through DAO governance, community members can vote on key decisions such as OmniGrid’ s technology upgrades, ecosystem development, and fund management.

-Use Quadratic Voting to prevent large households from monopolizing governance rights and ensure fair development of the ecosystem.

10.2 Future Development Trends

The global development trend of Web3.0 provides OmniGrid with broad market opportunities. In the future, OmniGrid will focus on the following directions:

(1) Web3.0 Global Adoption (Mass Adoption)

-The number of Web3.0 users is expected to exceed 500 million in 2027. OmniGrid will promote the large-scale application of Web3.0 by lowering the user threshold and improving the on-chain interactive experience.

- Expand Web3.0 SaaS (Software as a Service) to provide decentralized solutions for enterprises, including supply chain finance, identity authentication, data storage, etc.

(2) Web3.0+Artificial Intelligence (AI+Blockchain)

- Combine AI and blockchain to promote the decentralized AI computing network

(OmniAI), supporting AI training data storage, privacy computing and smart contract automation.

-Use decentralized AI Oracles to provide more accurate data analysis capabilities for the Web3.0 ecosystem.

(3) Web3.0 regulatory compliance

- Promote on-chain identity authentication (DID KYC), on-chain auditing, and transparent governance to ensure compliance with global financial regulatory requirements.

- Apply for compliance licenses in major markets such as the United States, the European Union, Singapore, Hong Kong, and the United Arab Emirates to ensure the legality of Web3.0 financial applications.

(4) Metaverse & Real World Assets (RWA)

-Through the OmniGrid RWA (Real World Assets) protocol, real-world assets (such as real estate, gold, and stocks) are mapped to the blockchain to enable on-chain asset management and transactions.

-Empower the Metaverse Economy, support decentralized identity (DID), virtual asset transactions, and NFT property rights management.

(5) Completely decentralized Web3.0 ecosystem

-In the next 3-5 years, OmniGrid plans to fully decentralize governance, and the ecological development will be driven by the DAO community. All protocol upgrades, fund management, and partner decisions will be decided by community voting.

10.3 Community Participation and Ecosystem Contribution

OmniGrid encourages users and developers to deeply participate in the construction of the Web3.0 ecosystem through global community governance, developer incentives, and ecological funding programs.

(1) DAO Ecosystem Governance

-All OGT token holders can participate in DAO governance voting to decide on on-chain protocol upgrades, fund management, and ecological development direction.
- Using a decentralized proposal system, all community members can submit proposals, which will be decided by voting by the DAO organization.

(2) Developer Incentive Program (OmniGrid Grants)

-Establish a 100 million USDT ecological fund to support global Web3.0 developers and promote innovation in DeFi, NFT, decentralized storage, and privacy computing related projects.
-Hold quarterly Hackathons to attract developers from around the world and offer rewards up to 500,000 USDT.
- Provide API/SDK, smart contract templates, and developer documentation to lower the entry threshold for Web3.0.

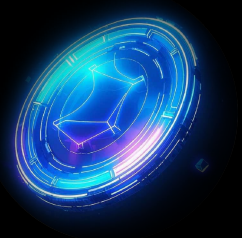
(3) Global community development

-Establish Web3.0 ecological centers in North America, Europe, Southeast Asia, Latin America, the Middle East, and Africa to attract global developers and users to join OmniGrid.
- Cooperate with Gitcoin and ETHGlobal to promote decentralized open source development.
- Establish a global community on social platforms such as Twitter, Discord, and Telegram to encourage users to jointly build the Web3.0 ecosystem.

(4) Open Web3.0 education and ecological construction

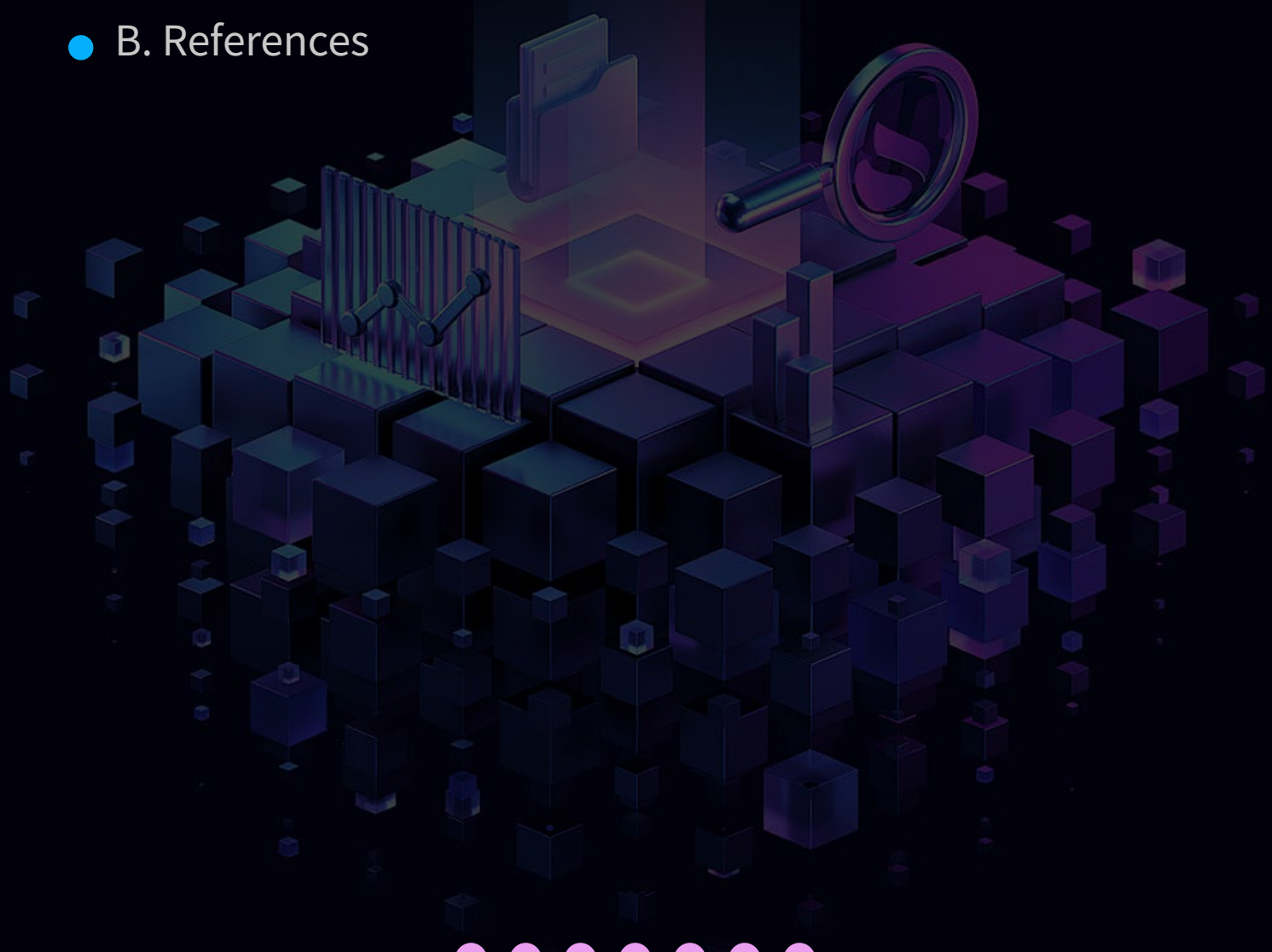
-Provide Web3.0 developer courses to train Web2.0 developers to transform to Web3.0.
-Established the OmniGrid Web3.0 Research Institute, focusing on research in the fields of blockchain technology, privacy computing, decentralized finance, and smart contract security.
- Cooperate with universities and research institutions to promote the standardization of Web3.0 technology and support the construction of global blockchain infrastructure.

OmniGrid builds a sustainable Web3.0 ecosystem through technological innovation, compliant development, global market expansion, and decentralized governance, providing global users and developers with a secure, efficient, open, and decentralized digital economic infrastructure.



Appendix

- A. Glossary
- B. References



Appendix

A. Glossary

Terms	Definition
Web3.0	The next generation of the Internet with decentralization as its core, emphasizing user data sovereignty and value autonomy.
Layer 1（L1）	Base blockchain networks, such as Ethereum, Solana, OmniGrid.
Layer 2（L2）	Scaling solutions built on top of Layer 1, such as ZK-Rollups, Optimistic Rollups. Rollups。
ZK-Rollups	Batch transactions through zero-knowledge proofs, increase blockchain throughput and reduce gas fees.
DAG(Directed Acyclic Graph)	A blockchain architecture without a block structure that improves the ability to process transactions in parallel.
DID(decentralized identity)	A blockchain-based identity management system that allows users to independently control their identity data.
DeFi(decentralized finance)	Provides financial services such as lending, trading, and liquidity mining through smart contracts.
NFT(Non-Fungible Token)	Represents unique digital assets such as artwork, virtual real estate, game props, etc.
DAO(Decentralized Autonomous Organization)	A decentralized community governance model driven by smart contracts.
PoS(Proof of Stake)	A consensus mechanism where validators need to stake tokens to participate in block validation.
Cross-chain interoperability	Enables different blockchain networks to communicate and share assets with each other.
FHE(Fully Homomorphic Encryption)	A privacy computing technology that supports direct calculation of encrypted data on the chain.
MPC (Multi-Party Computation)	A privacy-preserving protocol that enables trustless data computation and sharing.
EVM(Ethereum Virtual Machine)	Ethereum smart contract execution environment, OmniGrid is compatible with EVM.
Cosmos IBC	A cross-chain communication protocol that enables interoperability between different blockchain networks.
MiCA	The EU has introduced crypto asset market regulations, and OmniGrid complies with MiCA regulatory standards.
OGT	OmniGrid's native token, with governance, trading, staking and other functions.

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