# NLGN

GAMEFI

white paper 1.0

CATALOGUE

PREFACE

The combination of blockchain technology, token economy and games has created a new gaming experience. But it's not just the sensory change, the greater value lies in the economic shape and production relations of the game industry. The combination of blockchain and games creates a new game ecology, because in the new economic cycle, the intrinsic value represented by rights and interests, the revenue value represented by tokens, and the subjective value brought by decision-making power, which are interconnected, combined with rich game play and incentive mechanism, can form a healthy ecology.

In the game, not only tokens have value, items and digital identity have value, they are the user's digital assets, and also the proof of the user's interests. For example, the character created by the user, the skill of the character created, the honor created, etc., the pursuit of these players is no longer the worthless data, but the digital assets that the user can really have.

With the development of DeFi, NFT, GameFi, Play-to-earn,
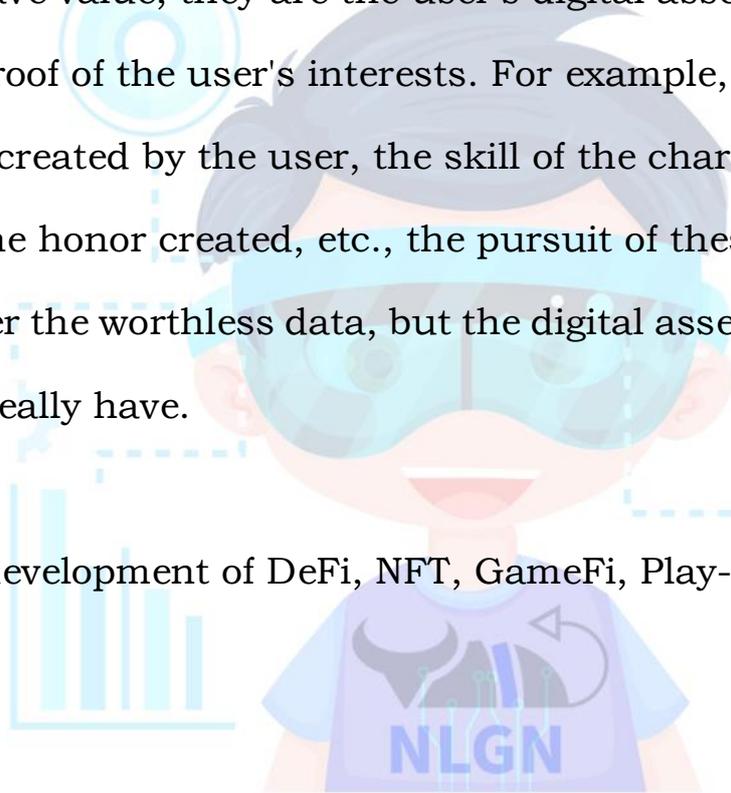
the chain travel has had a new change. GameFi is the concept of "gamified finance" under the integration of DeFi and NFT. It expresses financial products in the form of games, makes DeFi gamified NFT, game props and derivatives, and adds traditional games of battle and social games to increase the entertainment and interactivity of games and enhance personal interest in games. Play-to-earn creates possibilities for game patterns earned while playing.

In past online games, such as Diablo, Counter-Strike, and World of Warcraft, players have traded in-game items and even traded accounts to other players through external third-party trading platforms. However, these games rely on a creditable third-party platform, and transactions involving cash or other goods are difficult to track and trace their source, and accidents such as game items and account theft occasionally occur."Earn while playing" The game allows players to earn money by mining or collecting NFT items or tokens within the mechanics, and selling a portion of the harvest. In the process, the player is not just the consumer, but also the owner. The rewards they get in the game are recorded on the blockchain through the form of NFT

(non-homogenized tokens), and the ownership record is imtamable, open and transparent, so that players' items are secure and protected.

Based on the industry trends, the DEFI, NFT-based card chain tour and token incentive ecological —— NLGN was born. NLGN has built a general-purpose, complete support function, high performance, easy to use, good user experience, scalable, and user-earning revenue chain travel model.

As the world's first card chain tour integrating DEFI and NFT concepts, NLGN has introduced more innovations to the chain tour, including: new DEFI decentralized finance (GameFi), NFT non-homogenization protocol, Play-to-earn to earn while playing, DAO governance model, etc. At the same time, NLGN also uses a revolutionary token economy system to perfectly combine DeFi + NFT + chain games from blockchain into this game ecology, using financial mechanisms and game system to empower users, creating a truly unique and lasting game financial ecosystem.
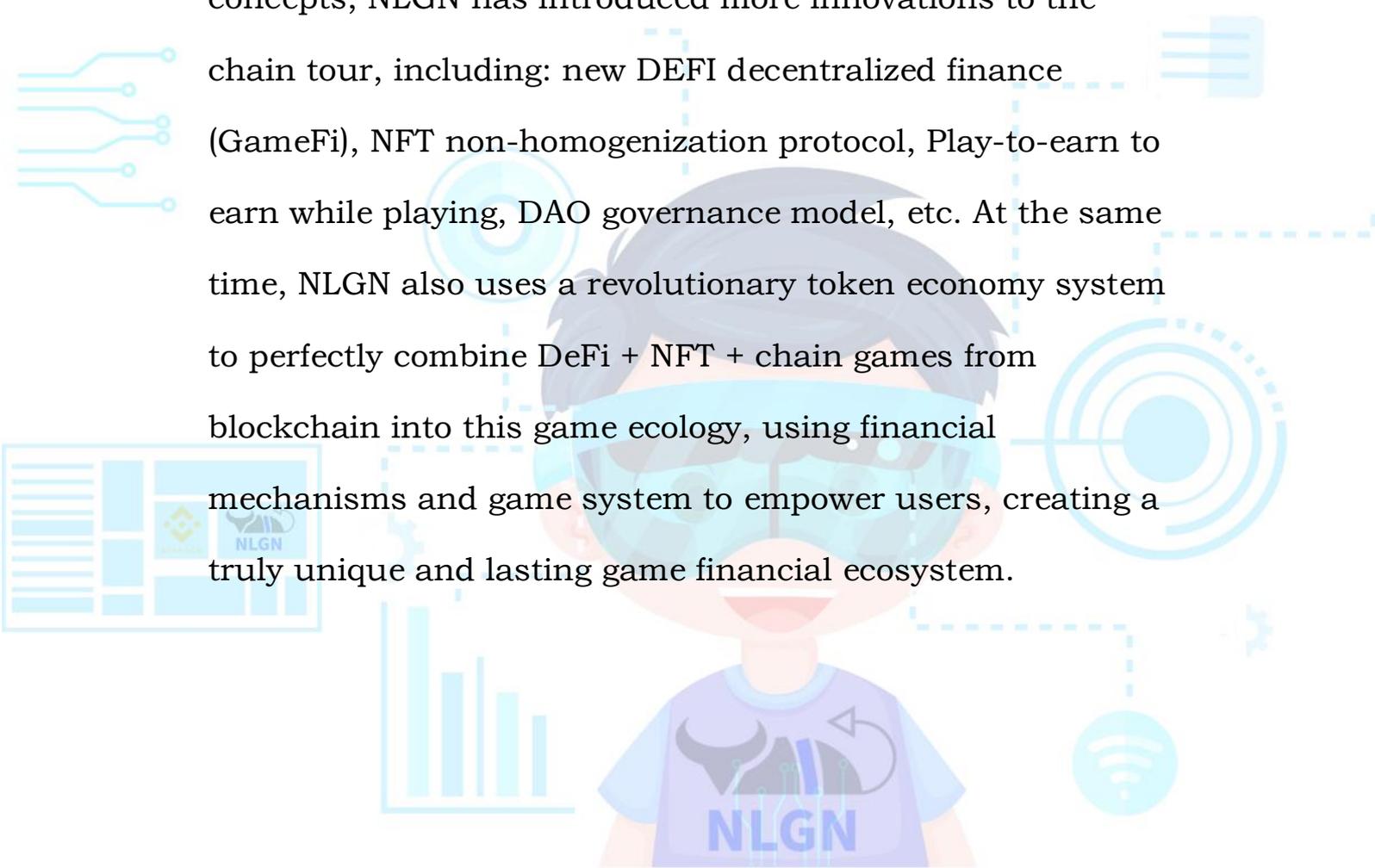
In the future, NLGN will continue to integrate the development, operation and integration of blockchain games, eventually forming the blockchain game ecosystem and the decentralized autonomous community (DAO). DAO is not only a design purpose, but also a vision. NLGN will start and expand around a series of consensus rules, system invariants, and laws, and the system will be designed as a self-evolving, scalable, and open chain swim system.

PROJECT BACKGROUND

Fusion of blockchain with DeFi mode

With the support of blockchain technology, the financial industry form has more possibilities of innovation. Among them, DeFi is a more typical model. The full name of DeFi is Decentralized Finance—— decentralized finance. DeFi refers to financial behaviors and services based on digital currency or Token. For example, token-based lending services, exchanges, payment, insurance, investment and even financial management services. Among them, DeFi services and products are the most prosperous at this stage. In a broad sense, DeFi refers to financial businesses and services built around decentralized technology.

DeFi has two meanings: business and services are built entirely based on decentralized technology. For example, mortgage, transactions, loans based on blockchain decentralized technology and smart contracts. The service itself is not a decentralized technology, but the object of the service is the digital assets based on the decentralized technology. For example, digital currency exchanges, etc. These financial services and services can be upgrades of

existing traditional financial services, restructured using decentralized technologies, or brand-new financial services, such as digital currency-based transactions and other financial behaviors.

For the financial industry, DeFi is a very important direction. Because the decentralized operation model can greatly reduce the cost of financial operations. And in the process of operation can eliminate the information asymmetry in the industry, and make the whole financial industry become open and transparent. For example, the traditional field of lending has such flaws, such as the pure mortgage fraud phenomenon, or the mortgage appears multiple mortgages phenomenon. For example, urge the loan, cut off the loan. In fact, there are many opaque links in the traditional lending sector. The significance of decentralized finance is to be transparent and irreversible. When a lender initiates a loan, as long as the value of the collateral meets the requirements, it will not suffer from the loan collection pressure from traditional institutions, nor will it be threatened by the loan interruption, because decentralized finance is the automatic execution of the contract, thus eliminating the interference of
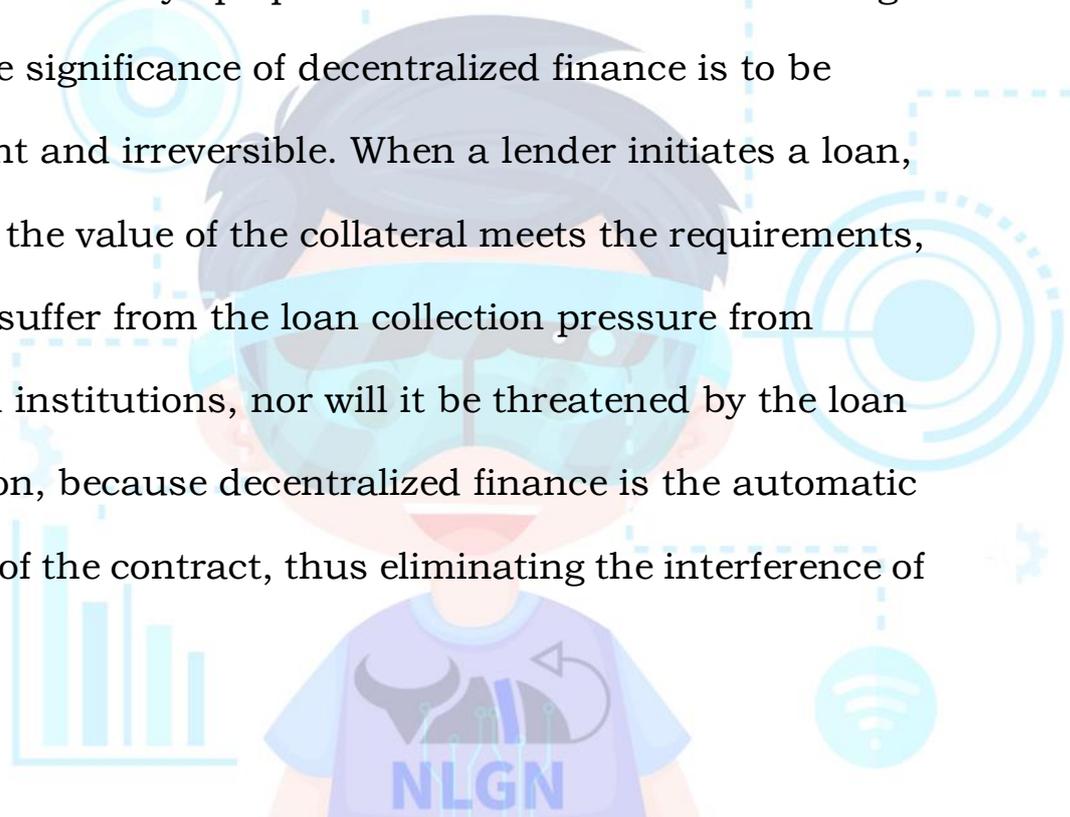
human nature, which can well protect the rights and interests of lenders.

Although at the beginning, the lending assets in the DeFi field were only digital currency and stablecoin, but with the development of technology, it is extending to more possible value space. This makes DeFi one of the fastest developing areas in the blockchain ecosystem. With the improvement of people's cognition of the application scope and availability of blockchain technology, people carry out the development and implementation of the blockchain underlying core technology, chain application and scenario landing with great enthusiasm. In particular, the popularity of DeFi makes the NFT concept widely popularized, giving the blockchain technology more landing possibilities.

The development of the NFT was associated with the GameFi

NFT Gameplay and Development

NFT, known as Non-FungibleToken in English, translates to a "non-homogeneous token" in Chinese, which is a cryptocurrency using blockchain technology, which can be

understood as an advanced version of Bitcoin. Simply put, NFT is a virtual asset that puts specific information on the blockchain through encryption to prove the only copyright, and that it is bought and sold through online trading platforms. Unlike Bitcoin, the NFT is inseparable, irreplaceable and unique. Its records on the blockchain cannot be tampered with or copied, and the transaction records are publicly visible, so the NFT cannot be imitated.

Compared with FT homogenized tokens), the crux of NFT is to supply a token of all the rights (that is, existing in the digital world, or originated in the digital world of assets), and all the rights can exist outside the intermediate effect or intermediate library. All the NFT power does not prevent others from observing it or browsing it. NFT does not capture information and hide it, but just capture it and discover the association and cost of the information with everything other information in the chain. At the same time, NFT, because of its non-homogeneous and inseparable characteristics, makes it can anchor the view of goods in the entity. Simply put, it is the digital asset issued on the blockchain, which can be game props, digital art, tickets, etc., and is unique and

non-replicable. Because NFT has its natural collection attributes and high convenience, gamers and users can use NFT to create world-like high-value game assets and items.

The main application areas of NFT tokens are games, collectibles, virtual assets, real assets certification (STO) and other fields, especially games in the market attention. Some game items are naturally unique and inseparable, just coupled to the NFT, so the NFT can effectively prevent the forgery and fraud of such items. We believe that the rise of NFT lies in the formation of NFT value consensus; the completion of the infrastructure layer and protocol layer in the NFT industry value chain; the spillover of the entire cryptographic market to the NFT market; and the strong support of application scenarios and the booming development of creative groups.

The NFT market is becoming more attractive. According to NonFungible.com analysis, the fourth quarter of 2021 set a new record: the number of active wallets (> 175,000), and the number of buyers and sellers is still increasing. We noticed a very positive signal: the number of buyers (38%) grew faster

than the number of sellers (25%), meaning that NFT attracts more interest than they lose.

The Application of the GameFi mode

GameFi refers to presenting financial products in the way of games and gamification the rules of DeFi, such as using NFT equipment to improve revenue and introduce battle mode. Compared with traditional liquidity mining, GameFi projects are more interactive with users and more interesting.

When the word GameFi comes to encryption, it means not just "Game + Finance," but also Game + DeFi. People in the DeFi world are not satisfied with traditional mining projects. After waiting for LP, they began to integrate mining into the game, which not only lowers the threshold of new entrants, but also brings more fun to mobile mining.

When it comes to GameFi, we have to mention NFTFi. Many liquidity mining projects led by MEME introduced NFT in an unprecedented way at that time, and the strong market response also caused a period of FOM0 boom. However, MEME's way of obtaining points through pledge and then

exchanging them for NFT is too monotonous and simple, which is also an important reason why the NFTFi boom does not last for so long. The advent of GameFi has solved the problem, with gamified settings giving NFT more practical value, making them no longer just items hanging on the OpenSea and waiting for sale.

GameFi is attracting more people into the DeFi space. The fun of gamification attracts users who don't want to understand the complex technology of DeFi projects. They don't have to understand the code, logic, and mechanics of DeFi projects, they just need to figure out how the game is played, neither brain-burning nor boring. Second, the GameFi gives retail investors more opportunities to enter. Traditional mining projects benefit depends on the proportion of LP provided in the entire mining pool, so large investors who enter early often make a lot of money, while retail investors have little profit and risk the risk of free losses caused by large selling. Turning mining into a game is more profitable likely for retail investors.

In the future, consensus, market and technology base, and

application and creators will continue to strengthen. And the NFT market boom will no longer be attached to the crypto market, and the NFT itself is a sunrise industry with extremely bright prospects. Therefore, the strong rise of the NFT market will be a certain trend. And GameFi will continue to empower gaming space.

The new model to the chain travel subversion

For the NFT concept, the game is unconscious of one of their best landing scenarios. First, games are one of the earliest and largest blockchain applications. Blockchain + games are exciting because it empowers players and enhances their experience. With blockchain games, players can enjoy the following major benefits:

•Game item ownership, scarce resources, items, spoils, and characters and incarnations in the game are confirmed through the blockchain;

•Proof fair gameplay, when the game chain, game logic and gameplay elements are also shared;

•Cross-game communication, game on the chain, can communicate in any other environment on the same

blockchain;

•Reduce costs, build games on the blockchain, all of which can be potentially outsourced to miners or verifiers;

•Enhance the player base, and blockchain games connect developers to the "super player" community, with more resources and investment in gaming.

On the basis of the decentralized game operation rules formed by blockchain + games, the addition of NFT and metaUniverse provides a more superior asset circulation base and a realistic virtual reality experience for this chain game ecology.

Play-to-earn, to push more users into the chain travel world

Plan to earn (P2E) is a popular business model in the blockchain game world, which corresponds to the common F2P (Free to Pay) model in the real-world game industry, which means that players can play for free but need a better game experience. In fact, the P2E's business model has a long history in traditional games, some of which have a group of players to make money by selling equipment or equipment. In blockchain games, this model has been upgraded, and

players can earn real money by playing cryptocurrency-based assets (NFT) games. By actively participating in these virtual economies, players can earn rewards, such as in-game assets, which can then be traded or sold in the open market. This is an important shift in the game world, since in-game assets have traditionally been traded only in the game ecosystem, making it difficult for players to trade or sell their digital assets outside the platform. The Play to Earn means the following three points:

• Give sophisticated players the opportunity to make money as a reward for high game participation. The reward is in the form of in-game currency, with an open market vitality;
• Enhance the ownership of digital assets. Players own and are able to trade in their assets;
• Transparent and participatory game economy. Game developers allow and encourage additional experiences beyond the core experience of the game.

NFT with chain games

With the application of NFT mode in games, —— encryption game or chain game, or Play to Earn is quietly recovering,

specifically manifested in the encryption game level data for nearly half a year, people's focus on the encryption game field is also changing.

There are many reasons why the combination of NFT and strand travel is a match made in heaven. For example, on the one hand, in almost all previous community models of the online game, the items that can be purchased are limited to their use in that game through a single account. If a player's account is stolen, disabled, or even if the user is just bored and turns to another game, all the money they spend disappears; this is a reality that many gamers have accepted. This pattern continued as there were no viable alternatives all the way until the NFT emerged and changed everything. By making an in-game item NFT, players actually own and control what they buy, earn, or make. This is not just that new accessories that prove users' characters are rare; it also means that these items can be bought and sold in the secondary market, moved between multiple games, and allow players to retain the value they initially invested into the items.
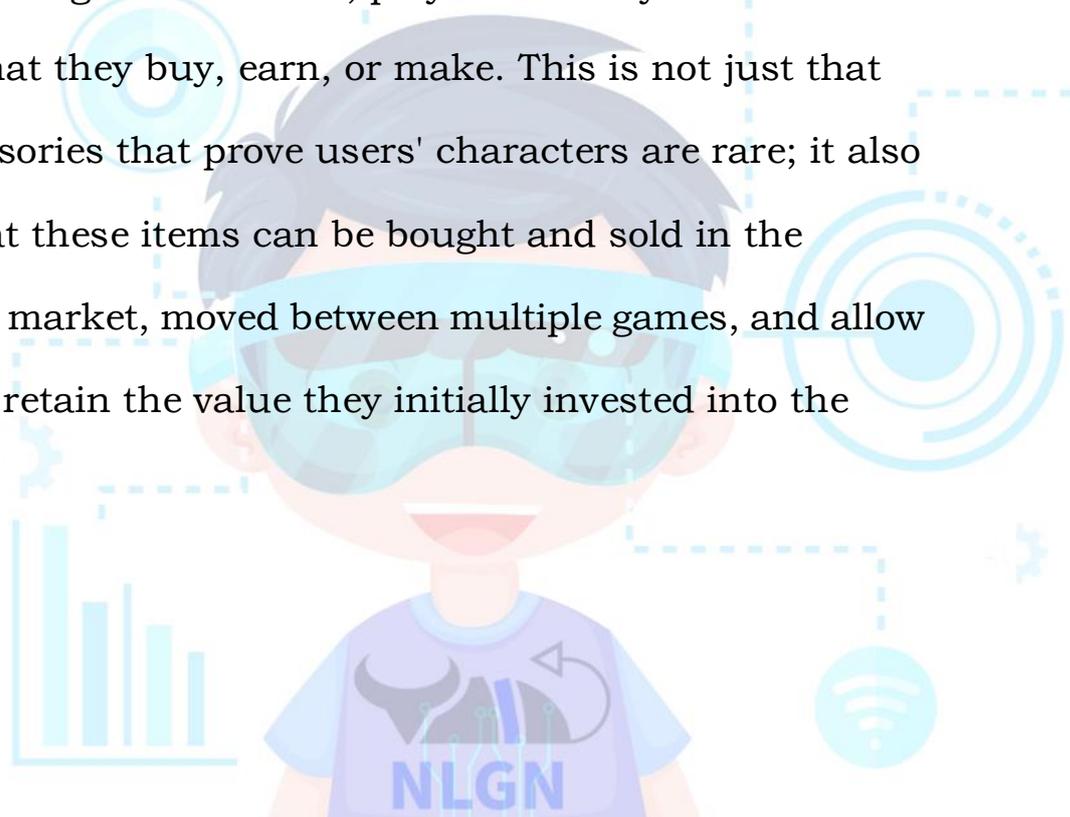
By introducing a new economic model, NFT + game allows game players to directly participate in the underlying construction of the game and gain the long-term development dividend of the game. This new model paints a beautiful picture of "playing for money" that everyone can participate in.

PROJECT INTRODUCTION

NLGL brief introduction

NLGN is a card chain tour and token incentive ecology based on DEFI and NFT, which is built jointly with the world's top teams.

In the NLGN chain swim mode, the perfect fusion of DeFi and NFT is achieved. In other words, NLGN presents financial products in the way of games, gamesizes DeFi applications, and combines DeFi with games through NFT to form a GameFi system (integrating financial products into the game ecology). With an ecosystem of revenue aggregators, liquidity mining, and "NFTs + DeFi + games", GameFi's infrastructure will not only find the best liquidity mining revenue strategy for users, but also cast an NFT that can be used to upgrade and trade.

In the future, with the support of the underlying technology, NLGN will continue to expand application ecological construction, build based on innovation public chain + new DEFI decentralized financial + NFT nonhomogeneity protocol token application scenarios, development set DEFI, NFT,

games as one of decentralized aggregation trading platform, gradually apply more ecological, such as NFT (including games, art, collectibles, sports, etc.), NLGN yuan universe, liquidity mining, virtual social, identity authentication, parallel civilization, with all participants to build the new future.

The NLGL Mission and Vision

Based on the prospect of blockchain technology, digital currency and the value of the innovation of DeFi, NFT and GameFi, NLGN grasps the opportunities of The Times in order to realize a new financial ecological construction of digital assets and physical assets transaction. In order to better let the community understand the purpose of NLGN's block business application ecosystem, NLGN shares NLGN's purpose and beliefs with the super nodes and communities:

NLGN's goal is to use blockchain technology to establish a profitable chain travel environment, to make the whole competitive environment more fair, open and efficient;

NLGN's mission is to build a complete value ecosystem for

global users in the era of blockchain, and we hope that this ecology can guarantee users' free will and personal value, especially the value of time;

NLGN hopes to realize the interconnection between the independent ecosystems, and build a bridge between each continent, so that human beings can understand the new business world built by blockchain from a new dimension.

•Digital asset empowerment game: Through the infrastructure platform of blockchain technology provided by NLGN, the token economy enables the chain travel, and the digital assets can lay the foundation for the circulation of the real economy.

•Release of currency rights: NLGN can release currency rights through liquidity and pledge, giving everyone exclusive rights to the results of their participation.

•DAO autonomous community: NLGN believes that more and more trust in decentralized community management will be used for the business development of the global chain tourism industry, and the formation of the autonomous community will allow more people to report up for warmth

and achieve higher value.

Therefore, the NLGN chain swimming ecosystem has the following characteristics:

•Full-centric: an end-to-end network of nodes. There are no centralized equipment, management agencies, and intermediaries. The rights and obligations of all nodes are equal, and any node stops working will not affect the overall operation of the system;

•Detrust: All nodes in the system can be traded without trust. The operation of the database and the whole system is open and transparent, within the rules and the time range, nodes cannot deceive each other;

•Reliable database: Through the form of distributed database, all participating nodes can obtain complete database copies. Modification to a database by a single node cannot affect other databases unless more than 51% of nodes in the entire system modify simultaneously;

•Anti-quantum attack: using the signature algorithm NTRU. The NTRU (Number Theory Research Unit) algorithm is an open and secret system invented by three mathematics professors at Brown University in 1996. This is a

cryptography system based on a polynomial ring (where N is a security parameter). Its security depends on the shortest vector question in the lattice (SVP);

•Subversion innovation consensus: If the reclamation probability is determined according to the lucky value of the node, the hash value calculation is not required. Each node determines the number of random numbers owned according to the number of the lucky values. The larger the lucky value of the node, the more random number the number it has. The higher the probability of being selected as an accounting node each time out of the block;

•High TPS: The brand-new non-interactive transaction verification algorithm designed by the NLGN chain swimming ecosystem can make the TPS reach a minimum of up to 10,000. A non-interactive transaction validation algorithm is constructed using the knowledge proof method. Ordinary blockchain verification transactions requires all users to verify the transactions in the block. The non-interactive transaction verification algorithm at the underlying level of the NLGN chain tourism ecosystem generates the transaction verification certificate after packaging the transactions in the block through the user block;
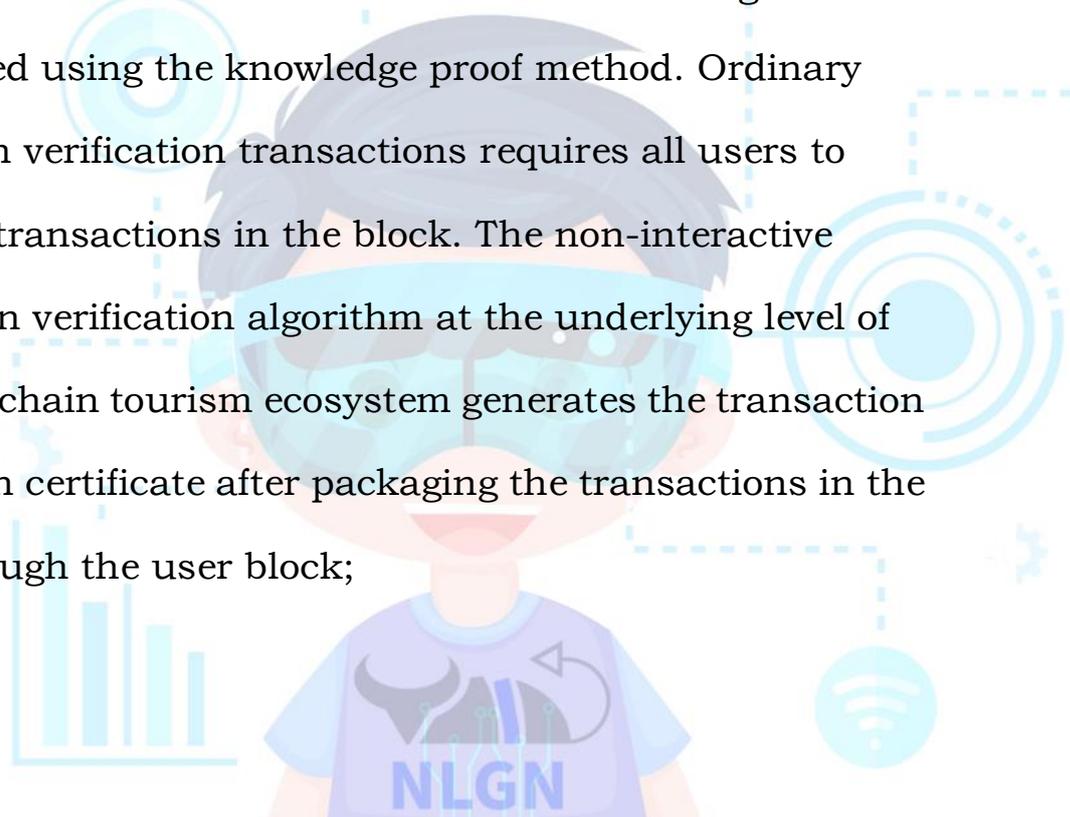
•Asset liquidity: The NLGN chain game ecosystem solves the current pain points of high threshold, low liquidity and difficult operation of game assets through multiple game incentive modules, and creates a user-driven and easy to operate synthetic asset protocol and game asset certification ecology.

GameFi with Play-to-earn in games

<u>GameFi creates an ecology with financial behavioral trajectory</u>

GameFi is the financial products in the form of the game of the new trend, will be expected to make the rules of DeFi gamification, such as using NFT equipment, NFT pet promotion income, introduced against mode, compared with the traditional liquidity mining, GameFi makes the user interactive stronger, also has a higher interest, GameFi compared to DeFi, the former is just a more "Game", both "Game + DeFi". GameFi allows games to derive valuable investment from pure entertainment. In other words, games can also be real life, and any player can create value in the game, operate and use game items, which is one of the development trends of the digital economy and the value

ecology that GameFi wants to create.

Not only can the characters in the game be used to upgrade, etc., but by providing liquidity for specific revenue aggregators (flow pools), the revenue aggregator smart contracts will provide users with the highest benefits by automatically utilizing the best liquidity mining strategy. In the game, users don't have to spend money on the resources or items in the game. Instead, with a savings account during the game, the more the user saves, the more resources they gain in the game, and the more items they can get.

In addition, NLGN integrates into various GameFi models, simply distributing the money earned by the game companies directly to the participants, forming a distributed game business economy, and exploring a way for the next large-scale promotion of the Web3.0 business model. The application form of NLGN (NLGN) will change from product-leading user to user-centered open source product form. It takes the community as the core in the interest distribution, and will bind the relationship between developers, users and investors through the token economy.

<u>The Play-to-earn model enables more users to generate revenue</u>

In NLGN games, Play-to-earn mode will become the core, earning while playing is the biggest selling point of NLGN games, in the game upgrade, customs clearance, not only get the game pleasure, but also equipment, props, NFT, etc., which can be sold in the blockchain market.

•Earn in-game tokens: NLGN has its in-game native tokens, NLGN. These tokens are used to give holders governance, buy and sell in-game NFT items, or even pledge them. Players earn tokens during playing the game, and then convert them into other tokens or legal tokens, or into BTC, ETH, USDT, etc., to bring the revenue to the real world；

•Earn in-game NFT assets: NFT includes but is not limited to in-game items, characters, skills, tools, etc., and can also be other purely decorative collectibles because they can use in the game. Players can obtain these NFT assets through the game, and trade in demand to other players in the secondary market, to achieve the effect of earning profits；

•The vast majority of NLGN's revenue is no longer attributable to the platform or the service vendor, but to good

players. By participating in the in-game economy, players are creating value for other players and developers. In turn, they receive in-game assets rewards. These digital assets can be any crypto asset confirmed on the blockchain.

Play-to-earn can also under the support of NLGN underlying system support, to Dapp developers with easy to use, perfect blockchain game tool set, including visual development suite and chain ecological environment, developers need to pay attention to the implementation of blockchain technology, can be directly in a graphical way, low threshold, fast and efficient development of block chain games.

In the future, NLGN hopes to provide players with a fair, just and open game environment where data is transparent, there are transparent rules, no background manipulation of item drop rate and malicious induced consumption, hoping that the assets of game players can be saved, safe and saved to the center. At the same time, NLGN hopes to help developers and players achieve better profit consistency through multiple models, carrying the value fission of digital asset economic models.

PROJECT IMPLEMENTATION

Basic support for the project landing

Strong new technology foundation

The NLGN project is already supported by mature technology, content and mode:

•Blockchain technology provides a decentralized clearing platform and a value transfer mechanism, which can guarantee the ownership and circulation of the value in the game, so as to ensure the stability and efficiency of the economic system, and ensure the transparency and deterministic implementation of the rules. Decentralized virtual assets can circulate across platforms and from the content itself, becoming more "real";

•NLGN creation has become the trend of game development, user creation can provide rich content for the chain game ecology, players do not become the master strategy, the marionette of the hands of game developers like traditional games, but also change people's concept of virtual assets;

•The upgrade of network and computing power technology ensures the information transmission and computing power, and 5G, AIoT and computing power have laid a solid

foundation for NLGN application innovation. Cloud games have also achieved rapid development in recent years. Cloud computing is one of the fastest developing technological fields in recent years. With the continuous upgrade of communication rate and cloud computing power, cloud games have become a reality;

•Display technology provides interaction, uHD and AR / VR devices have achieved continuous iterative upgrades, and users can have a better immersive experience.

Business resources and governance model basis

Adhering to the concept of deeply applying the concept of playing money to games, NLGN will open a new value Internet era with the support of the core ecology such as NFT and game evolution incentive. Thanks to the advantages of continuous development and innovative technology, wide business application and fine governance, NLGN is implementing its business logic and is competitive in the following aspects:

•Technology: NLGN is having a very mature and strong technical support, and has accumulated rich industry and

technology experience in blockchain, games, artificial intelligence, NFT, metaverse, VR / AR and other fields, and has made industry-leading breakthroughs in the development and application of the underlying technology of blockchain. The NLGN team is a perfect collection of veteran professionals, years of practical operation experience, and insights into industry development;

•Industry resources: NLGN will sign strategic cooperation agreements with the top leading enterprises in the target industry, which will provide strong support for NLGN to enter the target industry, so as to truly promote the actual landing of NLGN + chain game application;

•Business governance: Unlike general game projects, NLGN has a clear and clear strategic plan for the target industries, and continues to empower a free, fair and high-value ecological prosperity with the model of an autonomous community. NLGN is more focused and professional on distributed decentralization, imtamable and encryption security and point-to-point transmission value with blockchain technology to penetrate target industries and quickly gain market share. In the commercial collation of the NLGN project, the NLGN is used as the token used in the

game for the development and governance of the whole game and the game community. That is, holding NLGN tokens can have the right to govern the ecological development of the whole project, and have the right to vote on the future development of the game;

•Fund management: NLGN fund management will be led by the team of community DAO and NLGN, strictly abide by the principles of fairness, justice and openness, and with the development of NLGN as the primary purpose. An investor protection foundation will be established for special storage and to ensure the safety and sustainability of the funds. All the use of funds will be regularly disclosed to all investors to ensure the openness of the use of funds;

•Development space: NLGN's target industry is a trillion-level chain tourism market. The development team ensures sustainability by developing a sound governance architecture that effectively manages the affairs of general deliberations, code management, financial management, compensation management and privilege scope of operations.

Project security guarantee

Game ecological security guarantee

Users will also enjoy the full range of NLGN coverage when participating in the game:

•Game asset trading: NLGN has a secure and free decentralized trading system composed of multiple high-performance nodes. Exchange nodes can be expanded and adjusted at any time to provide users with all-weather, instant, secure and stable free-matching trading or targeted trading monthly services. Cross-regional acceptance gateway groups provide currency exchange and consumption services for the game assets circulating within the exchange. In addition to providing game users with automatic acceptance system building services, NLGN also accepts them as transaction node service providers to jointly maintain the transaction network;

•Democratic game environment: NLGN on all the game data, including game items reward probability, random events in the game parameters, players match balance value, etc., have inherited the characteristics of the block chain system, and thanks to the underlying framework of efficient processing ability, perfectly solved most of the game platform trading efficiency, game oligopoly and unfair problems. At the same

time, the NLGN ecosystem will open more than 90% of the source code of the core system on Github.com, the world's largest third-party open source site, and global users can jointly witness the open, transparent, safe and reliable attitude of the NLGN system;

•Digital assets access: NLGN will establish a new assets circulation of huai into the mechanism, for the market has been in circulation and put forward in the NLGN circulation request game assets assessment, user evaluation and sampling of user vote, to decide whether to access new assets, all new assets access will be maximum to ensure the security of user assets as the premise;

•Multiple incentive systems: NLGN will build a high-quality incentive ecosystem, with activity and contribution as a measure of how many users can benefit. At the same time, through the generation, circulation and value fission of NLGN to maximize the user revenue value feedback. NLGN all business behavior need to use the basic Token drive, the Token in the form of fees system recycling and precipitation to the pool to reward to the whole system and the entire network contribution and active users, get Token way including but not limited to: participate in games, trading

game assets, provide the entire network node verification support, actively participate in operating community, etc.；

•System security: The redundant nodes combined with the connection quality detection / link selection program make NLGN enough high performance, security and robust to effectively resist access pressure, theft risk and node failure. At the same time, nodes are deployed in many countries and regions, and third-party node operators are accepted to provide safe and stable non-stop game services.

Game asset security guarantee

The NLGN has player community autonomy and asset security assurance. Due to the open and transparent nature of the blockchain network, the digital asset information obtained by players in the game can be browsed through the blockchain, and provides a guarantee mechanism for the security of the game assets:

-Asset operation authority: the ownership and disposal rights of the items in the NLGN game only belong to the player, and the operation of the item destruction can only be handled by the user's own authorization;

-Atomization of key operations in the chain: important behaviors such as asset circulation and asset creation are submitted to the circulation platform, and all operations in the circulation or production process are regarded as an inseparable atomic transaction;

-Extensible multi-step verification: In addition to the blockchain transaction verification password, NLGN will provide further secondary password verification and random code verification, etc., to further improve the security of player assets;

-Guarantee of modern cryptography: the NLGN system uses the common modern cryptography technology CC (elliptic encryption algorithm) for encryption, to ensure the security of the blockchain information;

-Transaction verification mechanism to prevent BP / developer cheating: NLGN has designed a set of transaction execution, messaging and operation mechanisms for BP and developers to prevent BP / developers from cheating;

-Iteratively updated smart contract system: NLGN can provide logical update and vulnerability repair of game smart game contracts on the chain, so as to ensure the security and timeliness of smart contracts.

In the future, NLGN hopes to establish a game ecology of the Internet of everything through the application of the concept of chain game, connect the current separated blockchain with the real business model and chain game, transfer value between each blockchain, and establish a connection between the virtual and reality. We are not limited to meet the homogeneous block chain parallel expansion of credible data exchange demand, also further explore the heterogeneous block chain between the underlying architecture, data structure, interface protocol, security mechanism and other multidimensional heterogeneity lead to commercial connectivity solutions, adhering to the participation, resource sharing, contract collaboration and value sharing concept of building the whole industry chain of business ecosystem.

ECONOMIC MODEL

Project distribution and distribution

NLGN is the platform mother currency issued by NLGN according to the huge ecosystem, and also the ecological token and equity token. Combined with the model of NFT assets + chain tour, holding NLGN as the equity token is the value token of NLGN ecological rights, and users can obtain more NLGN through DeFi pledge mining, and circulate in NLGN game applications. Holders can have a corresponding special status on the platform through the NLGN.

NLGN initially issued 2,1,000,000 pieces, with 3% commission fee, 1% currency dividend, and 2% community dividend.

NLGN tokens will provide value carriers for NLGN ecological applications, driving the interconnection of games and networks, and making network connectivity more relevant and valuable by combining people, processes, data and things. After the launch of NLGN tokens in the world's major exchanges, the value and price will increase, and the user revenue will continue to increase.

In general, the value, incentives, governance of NLGN tokens and NLGN (NLGN) platform have a deep logic, reflecting the value characteristics of NLGN:

•From the perspective of value, NLGN embodies the carrier of "trust value" and "consensus value";

•From the perspective of incentive, NLGN is an economic incentive for the participation of "bookkeepers" in the network;

•From the governance perspective, NLGN is the equity certificate to participate in the network;

•From the perspective of security, the existence of NLGN value incentive, improve network security;

•From the perspective of income, NLGN is the embodiment of the value income in the new DEFI decentralized finance + NFT non-homogeneous protocol token mechanism.

Acquisition and circulation of NLGN

Access to the way

The NLGN includes but is not limited to:

•Value creation: including the contribution of creating digital assets in the game. For a single digital asset, the amount of platform incentive issued is directly proportional to the value of the asset created by the participants, inversely proportional to the duration of the NLGN platform and the total amount of the system; the contribution of creating digital asset value, that is, NLGN to a certain charge and asset circulation scale to N L G N;

•Platform contribution Award: NLGN is available to users who contribute to the NLGN community. Initially, we distributed NLGN with the historical contribution of the developer community. In the later stage, the platform will use bounty tasks, free assets and other forms to encourage developers to develop new functions, upgrade, error modification, testing and other community behaviors on the platform;

•Chain tour asset circulation: transferring the NFT assets obtained in the NLGN chain tour can obtain the NLGN tokens. The incentives of this part are related to the gameplay and economic system, as determined by the developer and market rules;

•Behavioral incentive: a variety of effective behaviors in the
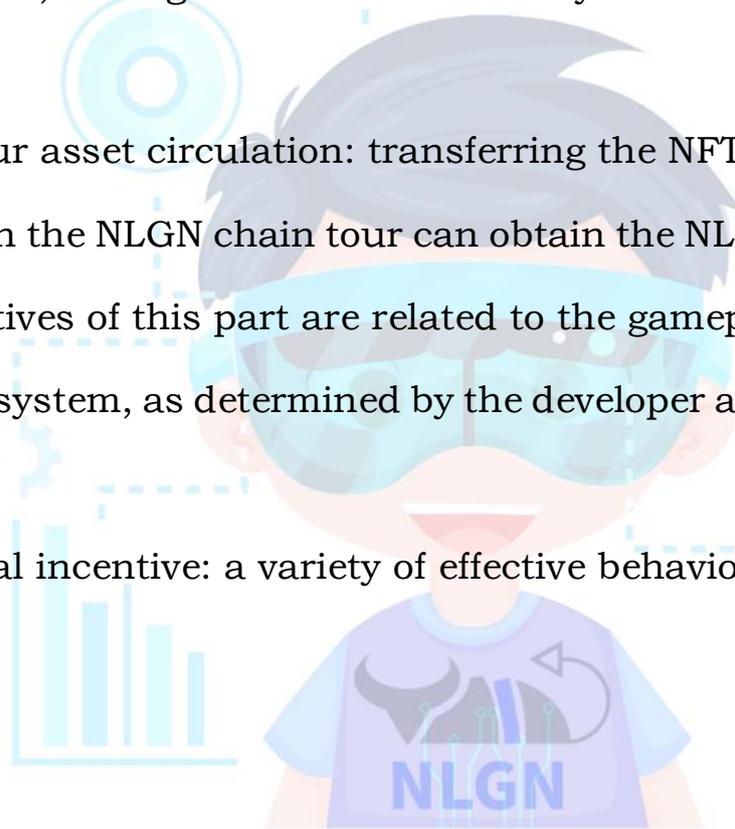
NLGN community and in the NLGN chain tour will be converted into NLGN according to a certain contribution degree. For example, users register for platform accounts and participate in various community interactions to obtain NLGN. By analyzing the access effectiveness, information integrity, behavior rationality and other dimensions, the platform confirms whether the user behavior is effective, and conducts NLGN distribution incentives;

• NLGN Consensus Work Contribution Award. Promotion and preaching for the NLGN consensus will receive continuous bonus rewards.

The value circulation of the NLGN

As a value medium in NLGN ecology, NLGN has a more extensive circulation value, which is reflected in the following aspects:

•Based on the NLGN game network, many applications will be derived. NLGN chain tour, social networking, virtual shopping malls, blind box, lending, entertainment, education, tourism, business, real estate, etc., all take NLGN as the means of participation in the payment.

After NLGN tokens are launched on the exchange, they can be exchanged with all digital currencies, and support the circulation and payment of all links in the virtual reality environment. Such as collection and payment, transfer, fiat currency trading, currency charging, coin, withdrawal, currency allocation, mortgage, public welfare, game mall and other circulation transactions are using NLGN as the medium.

•For the user, you can use the NLGN. Spend everything in games and in the real world. At the same time, it can also serve as a basic means of transnational payment, so as to bring more benefits to itself. When NLGN is connected with the global mainstream platform, gamers can enjoy the broader global entertainment and leisure convenience brought by NLGN.

In terms of versatility, NLGN yuan universe underlying network through continuous improvement and business model, to adapt to the more diversified business needs, meet the data sharing across business chain, this means that NLGN game underlying network of data recording way has enough general and standard, can represent all kinds of

structured and unstructured information, and can meet the requirements of business expansion across the chain. This provides a more value flow basis for the versatility of NLGN tokens.

ROAD MAP

The overall operation plan of the NLGN project is as follows:

2022 Q4

PC terminal, WE terminal, mobile terminal officially launched; the official website online; token online; NLGN game main network internal beta.

2023 Q1

Optimize client-side scenario; officially launch main network; establish NLGN foundation; convene NLGN city partners; connect NLGN main network; and make NFT launch.
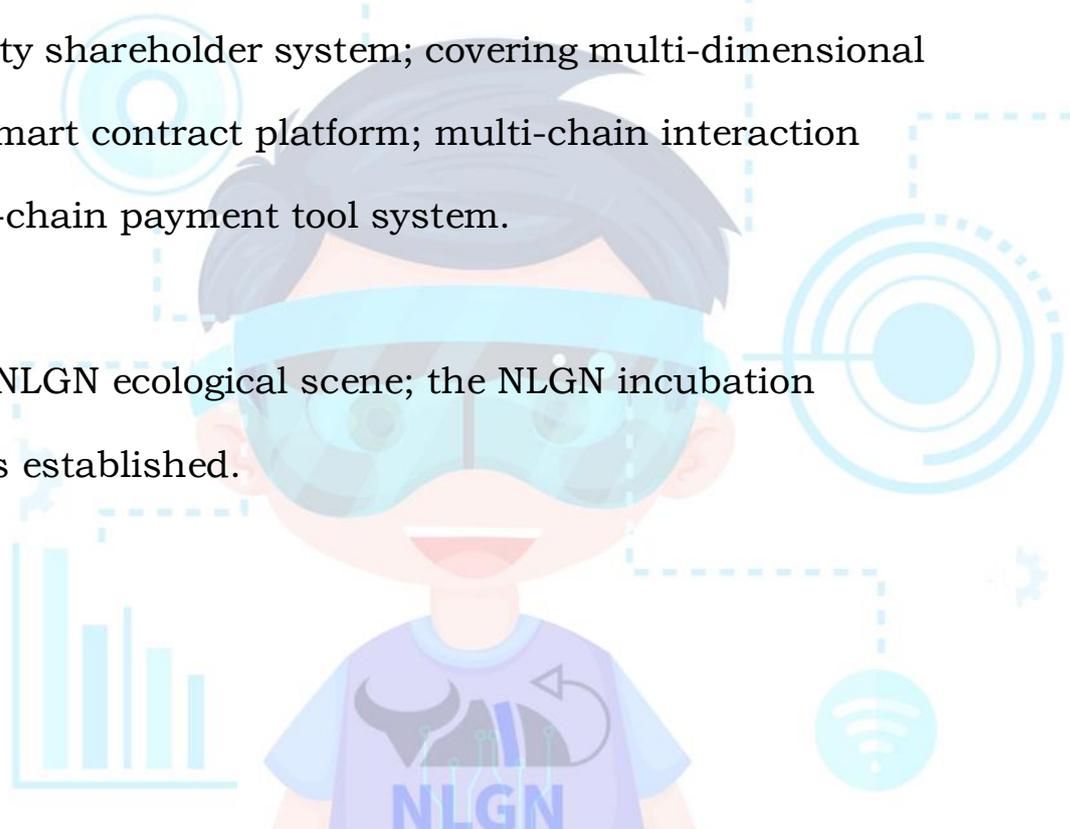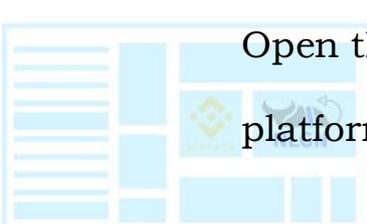
2023 Q2

NLGN platform currency planning; global node planning; online DEXNFT mining; open the global server.

2023 Q3

Asset equity shareholder system; covering multi-dimensional network smart contract platform; multi-chain interaction and multi-chain payment tool system.

2023 Q4

Open the NLGN ecological scene; the NLGN incubation platform is established.

TEAM

Most of NLGN's core technology R & D team members come from international top blockchain projects and well-known Internet companies. It together the industry's best technical experts in computer, information security, gaming, communications, mathematics, finance, web development and high-frequency algorithm trading. At the same time, the team members have market and practical experience in DAPP development, DeFi, NFT, chain tour, GameFi, VR / AR and other aspects. They not only have strong technical capabilities, but also have excellent scientific research ability, and have made outstanding achievements in many fields.
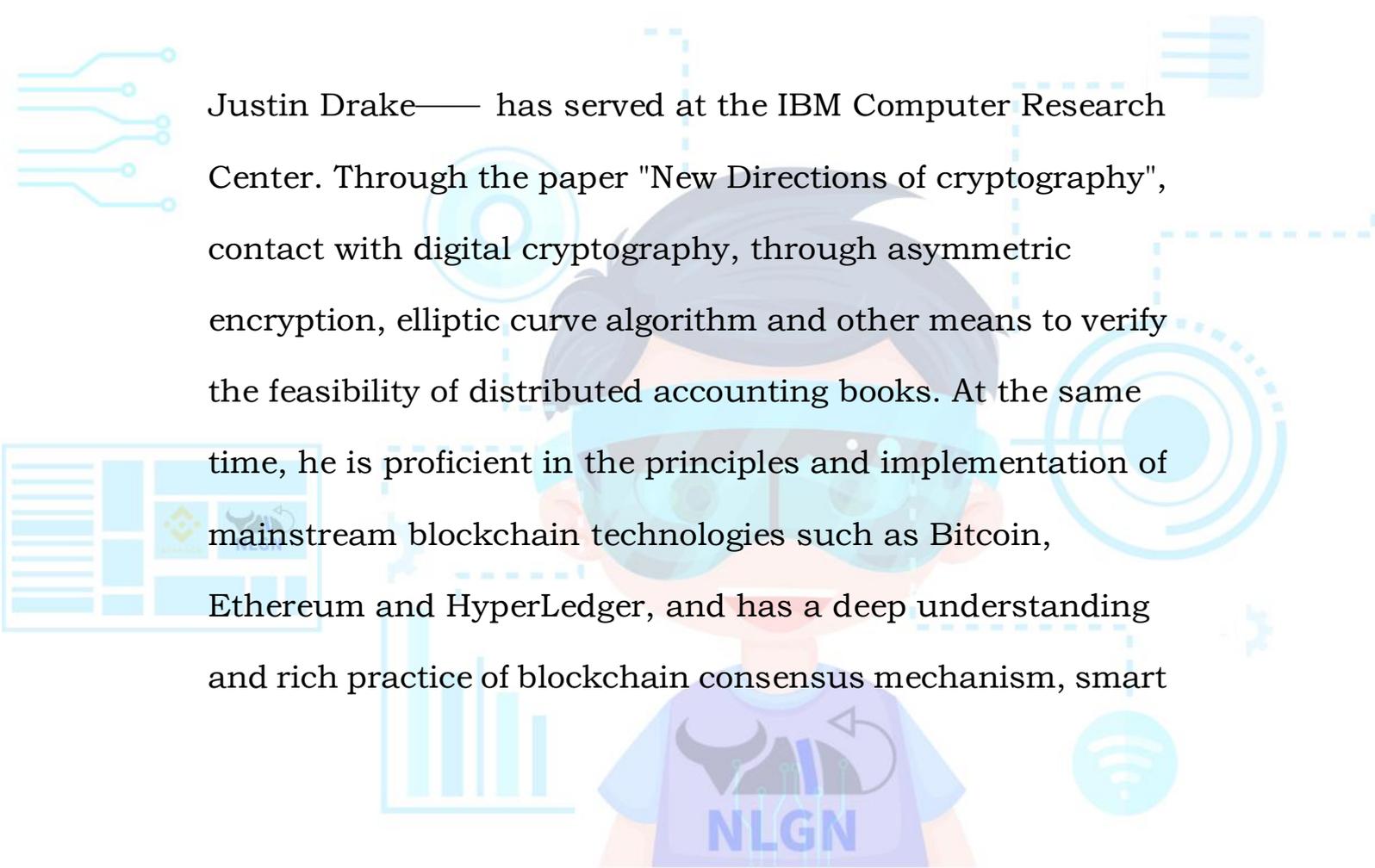
Justin Drake—— has served at the IBM Computer Research Center. Through the paper "New Directions of cryptography", contact with digital cryptography, through asymmetric encryption, elliptic curve algorithm and other means to verify the feasibility of distributed accounting books. At the same time, he is proficient in the principles and implementation of mainstream blockchain technologies such as Bitcoin, Ethereum and HyperLedger, and has a deep understanding and rich practice of blockchain consensus mechanism, smart

contract, cross-chain technology, side chain technology and privacy protection.

Algernon—— once served as a famous blockchain software development engineer, responsible for the cross-platform transplantation of mining algorithms for virtual currencies such as Bitcoin and ETH, and the mining machine software development and management work. Algernon has accumulated rich industrial experience in virtual digital currency wallet and virtual digital exchange technology architecture.

Bradley——Bradley's research focuses on big data parallel computing and distributed algorithm optimization, and it has rich research experience in blockchain, cryptography, and data mining. Bradley will provide deep algorithm support for projects in the level of blockchain core mathematical model, artificial intelligence core algorithm and parallel computing of big data.

Chapman——, PhD, Electronic Engineering and Computer Science, University of Chapman——. Its research involves
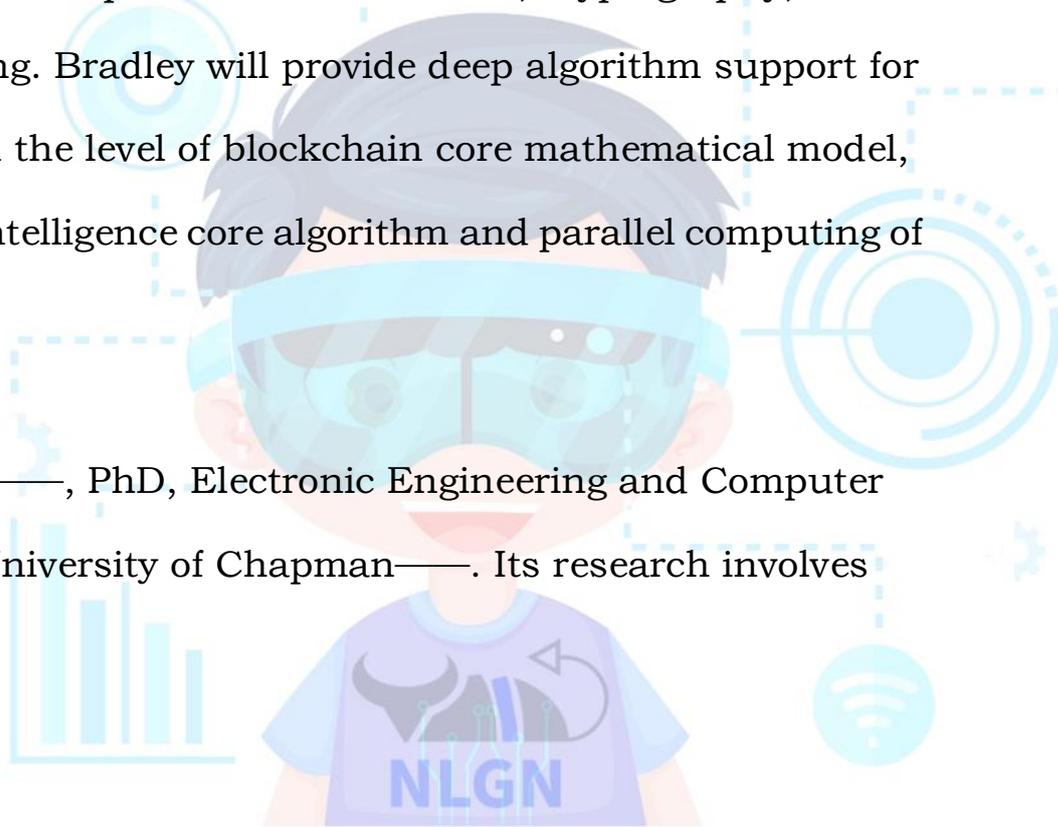
data mining, e-commerce data and algorithm optimization. Chapman is responsible for the AI algorithm construction and optimization of the project.

Rodriguez——, PhD, Postdoctoral fellow in Computer Science, Yale University.10 years experience in data storage. He has served as the chief scientist of many big data companies. He is an expert in business intelligence systems, and has an authoritative influence in data mining. He once founded his own big data research company, responsible for project architecture and scheme design.

Ben Jones-Bachelor in Finance, University of Toronto, Canada, worked at Hongshang Asset Management Limited. Focus on industry tuning and business analysis. Have in-depth research and unique insights on the business operation model. Professional financial knowledge and complete experience.

Giles —— technology developer, Master of Computer Science, Harvard University, Python language expert, blockchain technology engineer. Its research involves data

mining, artificial intelligence and algorithm optimization. Responsible for the construction and optimization of the AI algorithm of the project.

Hubery—— program developer, senior engineer in blockchain technology application, with senior development experience in the private social networking field. With 15 years of Internet industry experience, proficient in a variety of computer languages, good at massive high concurrent usable architecture design, with rich experience in R & D and management.

DISCLAIMERS

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