



LOGOS WHITEPAPER 2022

Tokens Platform

LOGOS Whitepaper V3_En

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*** Legal Disclaimer**



Blockchain technology has moved beyond the first generation, which has identified its functions as a distributed ledger in Bitcoin, and into the second generation, with Smart Contract function, which automatically implements contracts in the ledger. It has been pointed out that the 1st and 2nd generation blockchains are slower and less scalable compared to centralized systems because no one makes decisions and takes no responsibility as they promote decentralization.

Other industries such as finance, manufacturing, distribution, and public services can use Blockchain technology to secure an unprecedented level of credibility and to create new benefits such as reductions in brokerage commissions, and since then, a number of real-life altcoins, which can be called the third generation coins, have appeared based on ICO/IEO, promising future use by each field and industry but among most of these coins, it is hard to find coins that perform their roles as real-life coins. The reason why it was so difficult to use is that it is difficult to introduce it into the existing real economy with high price volatility and complex payment methods.

To prove the value of Blockchain and to actively introduce cryptocurrency-based financial services & numerous online services that are conducted non-face-to-face in the era of the pandemic corona, a solution to this problem is essential.

The Logos foundation presents the logos Payment gateway Platform(Log pay) project to solve all of these problems.

LOG-PAY is a blockchain-based global cryptocurrency payment platform that connects consumers, stores and businesses in an on/offline specialized real economy zone. Global users and partner groups can make payments safely and quickly using cryptography within a multi-lingual LOG-PAY platform and Various alliance groups can receive services such as promotion, payment, and sales management using LOG Wallet and LOG POS.

Logos Token plays a role as a specialized coin in a specific area and a real life coin in the real economy, also including the cryptocurrency function that pays for value between consumers and stores as a medium of all economic activities. In addition, LOG-Cash is a mining token that acts as a stable coin provided to members within its own platform as a solution to the volatility, which is the blind spot of cryptocurrency, in all transactions made using the LOG-PAY platform. LOG-Cash provided as a reward can be converted to other cryptocurrencies including logos token, sale, and purchase on the Logos OTC exchange.

This white paper introduces logos' distinctive services and practical technology and suggests a feasible solution for cryptocurrency payment in the real economy.



Logos is a "blockchain-based payment solution". Logos(Logos) stands for logical and universal laws of the universe, and will be used in various industries, starting with finance and games using Logos tokens on its own LOG-PAY platform, as well as post-corona-specific travel and electronic commerce.

There are many companies and merchants interested in receiving payments by cryptocurrencies as the next generation of blockchain technology and cryptocurrencies pay attention to the future appearance of key currencies. About 12 years after the first appearance of the blockchain, technological and environmental changes have taken place resulting in many challenges for each economic entity.



Figure 1-1. Future values driven by blockchain payment services

Due to price volatility, it is difficult to convert cryptocurrencies to riskless assets for each transaction. Even if you pay fee, you should be issued by various troubles as compared to a structure in which cash is paid into a bank account.

Due to price volatility, it is difficult to convert cryptocurrencies to riskless assets for each transaction. Even if you pay fee, you should be issued by various troubles as compared to a structure in which cash is paid into a bank account.

It also must be guaranteed that the ease of usage and the stability of assets at least same level or higher than that of credit cards and securities. Moreover, as many cryptocurrencies are circulated, these should be able to easily switch to the necessary assets. The number of stores that accept cryptocurrencies should be enough as well.



Another economic entity that was not previously highlighted is a corporation. Before cryptocurrency became a big issue, payment solution was only discussed between customers and companies, but many companies are now studying blockchain as a business platform. Blockchain technology is grafted on various business sectors and tokens have been issued but companies have faced the challenge of increasing user participation and their token utilization.

The ways that companies run businesses are all different but in order to use tokens as a payment tool, it is necessary to encourage merchants. This process is costly and remains a difficult area to access. The development of blockchain businesses will be a breakthrough in responding to new industries

LOG PAY SOLUTION



Figure 1-2. Realizing the Future Value of Blockchain by Using Logos Platform

The purpose of LOG payment platform initiates with a vision that enables various economic entities to utilize blockchain technology and tokens to solve difficulties of cryptocurrencies payment system.

Not only it will be the only intermediary for cryptocurrency payment transactions between users and stores but also as a platform provider, Logos will use different kinds of tokens from various companies and build a Logos affiliate to provide a new payment ecosystem



There are various advantages and disadvantages that can be analyzed between FIAT based payment gateway and blockchain payment gateway. Blockchain considers as a solution to break the difficulties of traditional payment gateway system, but this technology has not been able to take the advantages of the traditional payment gateway, so it could not be the perfect substitute. Nonetheless, by securing the transparency of book disclosure via decentralization, it has become more trustable and cryptocurrency is able to be made cross border transaction with no brokerage easily because it not binding by law as like a legal currency. However, this is only possible for Peer to Peer transactions. In order to be used for commercial transactions, an efficient configuration is achieved with only a minimum of brokers of platform operators. There are many blockchain based cryptocurrency payment platforms with following issues.

First, they could not take advantages from FIAT. In case of FIAT, it is issued by the government and the value is determined by an economy situation of a country, so FIAT is riskless. However, in case of cryptocurrency, the value is made by market situation, so fluctuation always occurs risk. To supplement such situation, stable coins have been issued with the purpose of controlling market price artificially and transaction only. Thus, this is quite different with original cryptocurrencies.

Secondly, even if the transaction is made by cryptocurrencies, fiat remains as a main key for real economy. The exchange between cryptocurrencies and Fiat is only possible through the crypto exchange system and exchanges have opened trading for certain coins that meet their criteria only so the conversion process between cryptocurrencies to fiats contains several processes which reduce the convenience and increase of the barriers for entry.

Thirdly, there are as many issued cryptocurrencies as like blockchain based payment platforms and cryptocurrencies should be used for their own platforms only. Ironically, many of those coins and platforms have released, resulting that the volume of users has been split and usability for each coin also has decreased. There are many users and merchants that require a payment gateway platform but because of the diversity of demand crossing the multiple platforms, each platform has limited users. If platforms do not have place to use, it will occur vicious cycle in which users are not attracted to use platforms anymore.

As traditional payment gateway found their roles and place in various side effects and challenges, blockchain based payment gateway is also undergoing a process of confrontation and Logos will provide the answer of it.

	Traditional PG	Blockchain PG Platform	LOGOS PG Platform
Pros.	Fast Riskless Asset (Cash) Credit transaction	Decentralization - Transparency Cross border transaction Minimal Middlemen (Platform)	Fast Transaction Fast coin exchanges Exchange to riskless assets
Cons.	Domestic transaction only No multi-currencies transaction Middlemen fee High fee for international transaction	Unstable price Difficulty in cashing-out Exclusive to a single project small number of affiliates	

Table 1-1. Pros and Cons of various of Payment Gateway Platform Comparison

Travel Service Zone

Changes in the travel industry after coronavirus and countermeasures

In the global travel industry, the number of international tourists has grown for 9 consecutive years until 2019, of which Asia Pacific has grown the most, accounting for about 30% of the global travel market. This is a double increase from 17% in 2000, and per capita expenditure is also rising steeply. One of the reasons why the travel industry in the Asia-Pacific region has achieved such rapid growth is due to the development of transportation and communication methods. The development of transportation such as aviation, roads, and trains greatly reduced the time and cost of travel. The cutting edge of the Internet, mobile and social media in Asia-Pacific has revolutionized existing accommodation and transportation reservation systems..

But the global tourism industry is struggling with the 2019 corona virus, and airlines and travel agencies are facing the worst business crisis. However according to a professional research institute, in terms of travel demand, overall overseas travel will decrease for the time being. As the specialized travel market accelerates in the future, uncompetitive and financially unstable travel agencies will be kicked out and We predict that a new era will come for product competitiveness, professional travel agencies, and the block chain-based travel industry, which will be another opportunity and opportunity for growth. For many years, Logos has been building the Logos platform with a focus on developing specialized travel products based on blockchain. In the future, we will expand our professional and safe travel zone by activating our travel community centered on our members.

Logos Travel Community plans to utilize the blockchain to create a better travel ecosystem by analyzing the pros and cons of existing SNS. Using the blockchain, we can provide reasonable compensation for the user's contribution, which was difficult until now, and the process is also transparent. Users can receive rewards reasonably as much as they contribute to the development of the travel community by using the Logos platform.

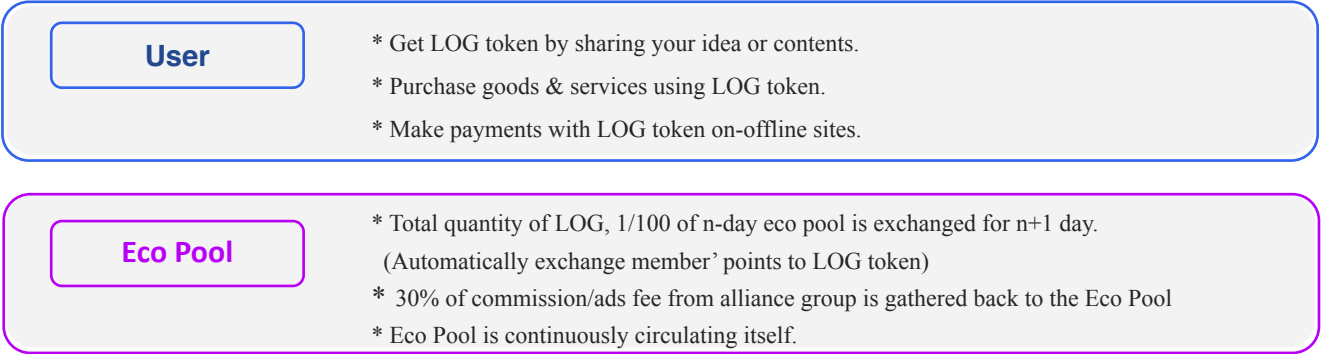


Figure 5-3. Eco Pool revenue redistribution system for travel



Travel Service Zone

Travel payment protocols

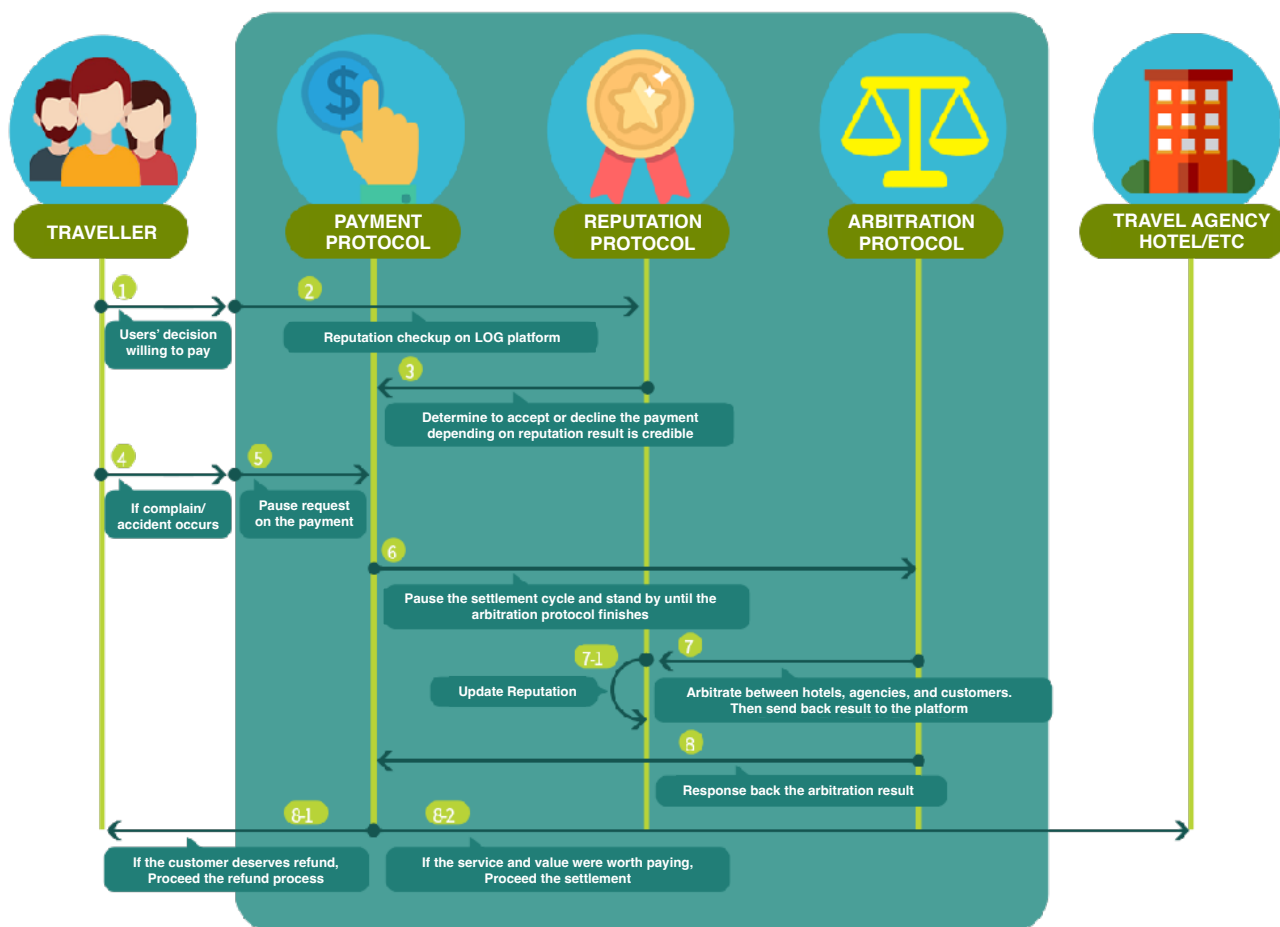


Figure 5-4. Arbitration protocol by logos Platform for travel industry

Travelers feel uncomfortable about payment. The payment company is at their own country but they use service overseas. In this case, expected value and actual value can be different. It will be unpleasant memory to call their own country or send email to solve the payment issue.

Travel Alliance can join the travel arbitration protocol to secure payment while traveling. When users make a payment with alliance who joined protocol, logos will check the reputation of alliance before approval. If the Alliance has a reputation below average, user can receive warning and instruction to help the decision. When the Alliance is more than average, logos promptly approve the payment but will hold the amount until the contract period. If any user claims for disadvantage to logos, the protocol will arbitrate the dispute and the cost for arbitration will be deducted from the amount. As the arbitration is completed, logos will update the data of Alliance and users to use it as a reference in the future.



Travel Service Zone

Travel Zone Construction Status

According to a survey by the World Tourism Organization (2019), it can be seen that 56% of tourists worldwide are for leisure and relaxation. Based on these data, Logos travel service ZONE has signed an agreement with the following alliance groups (Logos Coin Payment Available) and In the future, we will continue to expand our collaboration and alliance system with alliances and partner groups, and we will update this in real time on the official website of Logos' Travel Zone.

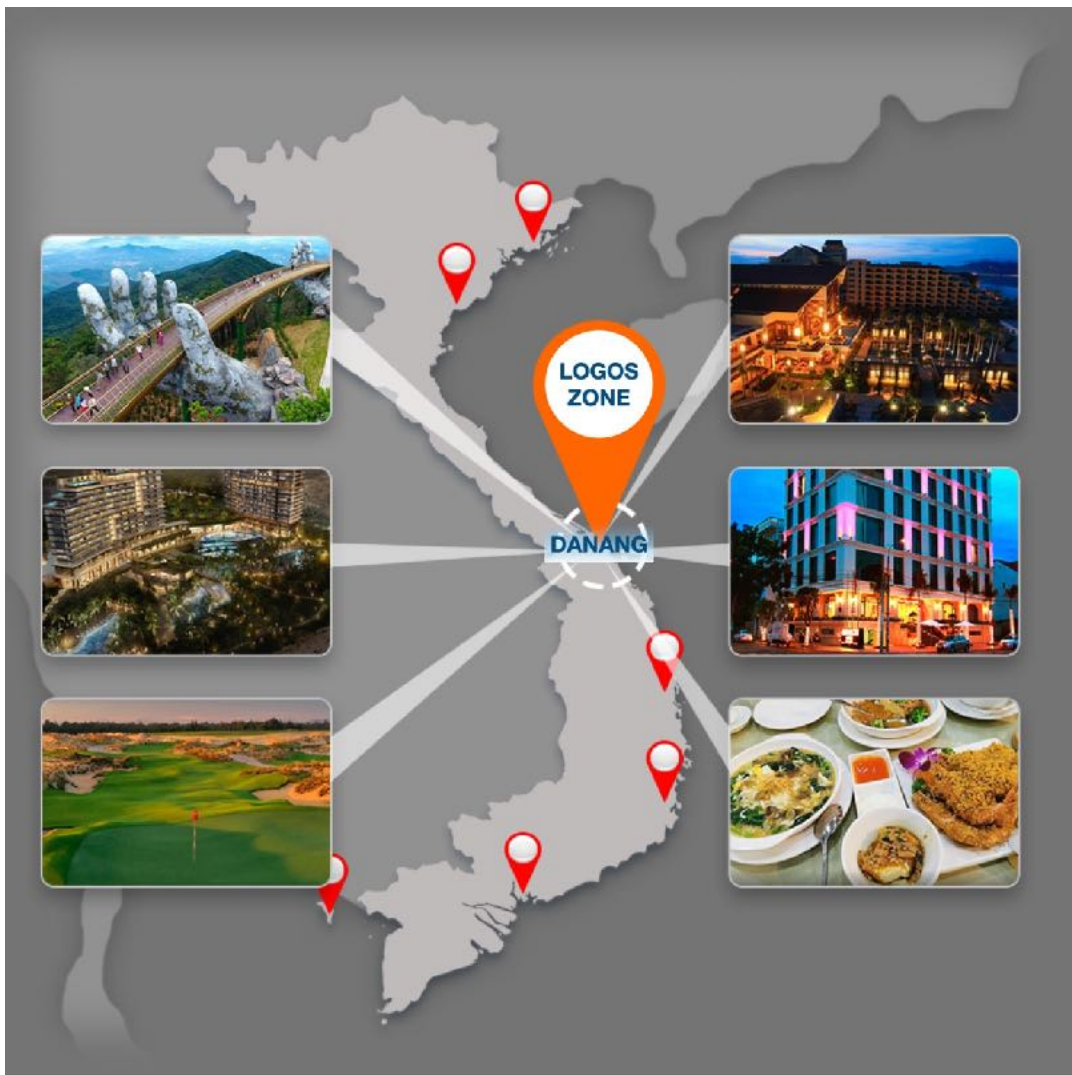
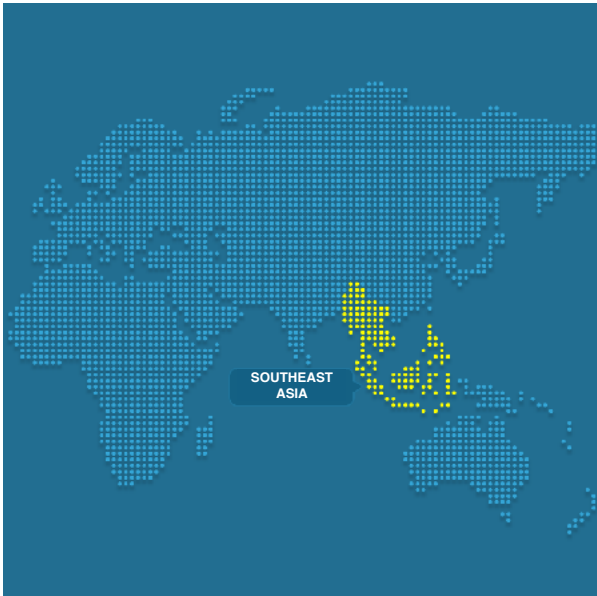


Figure 5-5. Danang, The first LOGOS zone site

Travel Service Zone

Travel Zone Phases



Phase A : southeast Asia, 2022



Phase B : northeast Asia, 2023



Phase C : Europe. 2024



Phase D : global, 2025



Financial Service Zone

LOGOS Crypto Fund Investment

- **Composition of the fund**

Logos constructs Logos Crypto Fund in order to activate various crypto financial services and provide the users with the investment profit over the assets kept in Logos Wallet. Logos Crypto Fund is composed of fund which makes investment in all investment products designated by Logos and the various fund made for each investment purpose. It totally operates the Logos' own assets and the fund which the users apply for participation among the assets kept inside Logos user's Logos Wallet. The investment profit would be distributed to the ratio of participation in the fund and if asked by investor, the principle can be recovered within a specified period.

- **Scope of invest in the fund**

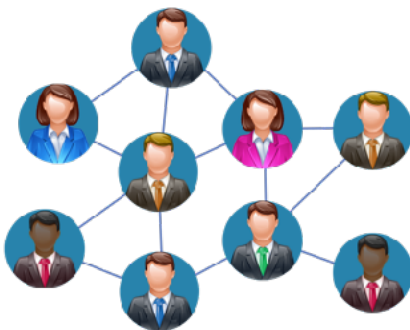
Logos Crypto Fund is supposed to make the non-risk investment, if possible, in order to protect the user's assets in the fund from damages.

A. Professional Trading Solution Fund:

Fund which participates in the fund which is managed in various strategies by Logos' fund operation experts who use Logos' only professional crypto investment solution.



DAO
Decentralized Autonomous Organization



B. DAO Investment System :

Every DAO participant affects and make suggestions to the selected invest Zone by inquiring, making decisions, and execute the major opinion



LOGOS ZONE DAO System

- **LOGOS ZONE DAO Structure**

In order to support LOGOS ZONE spread out to the world continuously and properly, the LOGOS is forming a LOZODO (Logos Zone DAO), enabling all LOGOS holders and community participants can build up the LOGOS ZONE together, and let LOZODO cover the Foundation's role.

The concept of DAO is originated from the blockchain's main idea, 'decentralization'. Comparing to the structure of a conventional corporate form, the governance of DAO is no hierarchies and treat every single participants equal. This type of decentralized governance system is able to realize the ideology of 'innovatively equalized organization' when it meets a project with substance.

Empowering and expanding the LOZODO network is essential to expand LOGOS eco system and LOGOS ZONE's capabilities. For the first step, the fund operation of the LOGOS Finance shall run under DAO governance. By adopting the operating system to the eco system, it will run and expand the LOGOS ZONE itself, transparently and highly motivated.

- **LOZODO Council**

To become a member of LOZODO council, one should hold LOG token. Depending on the number of tokens, residing area, and affected departments, the members will be given additional benefits. The total number of the members will be limited to one hundred. The LOZODO council shall have the following rights :

- A. In purpose of proper growth and evolution of LOGOS ZONE, one can raise a proposal of policies or investments.
- B. 10% of the profit of the LOGOS ZONE DAO FUND shall be given to the council members proportionally to the LOZODO token held by each member.

- **LOZODO Token**

LOZODO Token is the governance token of the LOZODO. By holding the token, the users can participate to any proposals and making decisions. LOZODO Token is available to anyone who participate in the LOGOS ZONE, and by staking LOGOS token.



Metaverse & GAME Service Zone

Background of the Metaverse & Game Service Zone with Blockchain

Accelerated by the pandemic era, huge numbers of people are opt to join the digital online market in various industries, especially in the gaming industry. Service providers consequently are trying to generate new services such as the Metaverse, NFT to fulfill the users' needs, and now these industries are showing the highest growth rate recently.

The LOGOS's Metaverse & Game Service Zone project aims to form an evolved platform which is a metaverse LOGOS ZONE, containing various digital assets and games in it.

The key services in LOGOS Metaverse & Game Service Zone is the digital experience of LOGOS ZONE, which is a fast payment-settlement system, user rewards, profit-sharing system, and an easy interface consisting of the mentioned features.

Every single data on the LOGOS Metaverse & Game Service Zone is uploaded on the blockchain. Any activities, game records, user data, game assets and data flow are recorded in a transaction and broadcasted in a chain. By this chained-data makes everyone equal and let this virtual eco system of life and games decentralized.

Of course the blockchain is not an almighty technology. The word 'blockchain' is sometimes used as a key to success in all service area but the blockchain technology has exactly the opposite stance to the conventional service operation which a company has all the authority in operating services. LOGOS uses blockchain technology to share data of whom, where, when, how the service affected to everyone concerned. It can prevent unreliable parties and money in P2E games to keep players healthy.

The merit of adopting blockchain in LOGOS Metaverse & Game Service Zone is the following :

1. Privacy & Transparency

The code and results implemented by the Smart Contract are open to anyone, and the code for automatic distribution is executed, providing transparency that cannot manipulate the logic algorithm in the game. This is because the moment the game details are registered on the blockchain, tampering and manual manipulation are impossible. Therefore, it builds trust in assets in the virtual world and has value in the real world.

2. Global Market Accessibility

LOGOS Token-based Metaverse & Game Zone services are easy to access conveniently, legally and reliably from anywhere in the world. This will further increase the satisfaction and fun of global customers, which is why the introduction of blockchain technology is necessary when using the service.

3. Providing Accurate Information

Based on transaction information, it is possible to accurately provide information about customers' individual propensity information, information, and the results of various actions. Based on this data, customers have a basis for making more useful use of their assets. In addition, the real ZONE implementation further increases the accuracy of the information.

4. Data Stability

Data registered in the block chain is basically propagated to numerous nodes, and even if the core node is maintained despite economic or political interference, it has the advantage of maintaining the network of the system itself.

Metaverse & GAME Service Zone

LOGOS Game Extension Plan

In the blockchain industry, the game industry is spotlighted as the field with the highest potential for future development and In the post-corona era, the online game market has increased and accelerated with the number of users and development. Logos will continuously develop the system based on stability in connection with numerous game companies and game developers in the future. We will be at the forefront of building an extensive global gaming infrastructure.



Figure 5-8. Various Logos game services zone

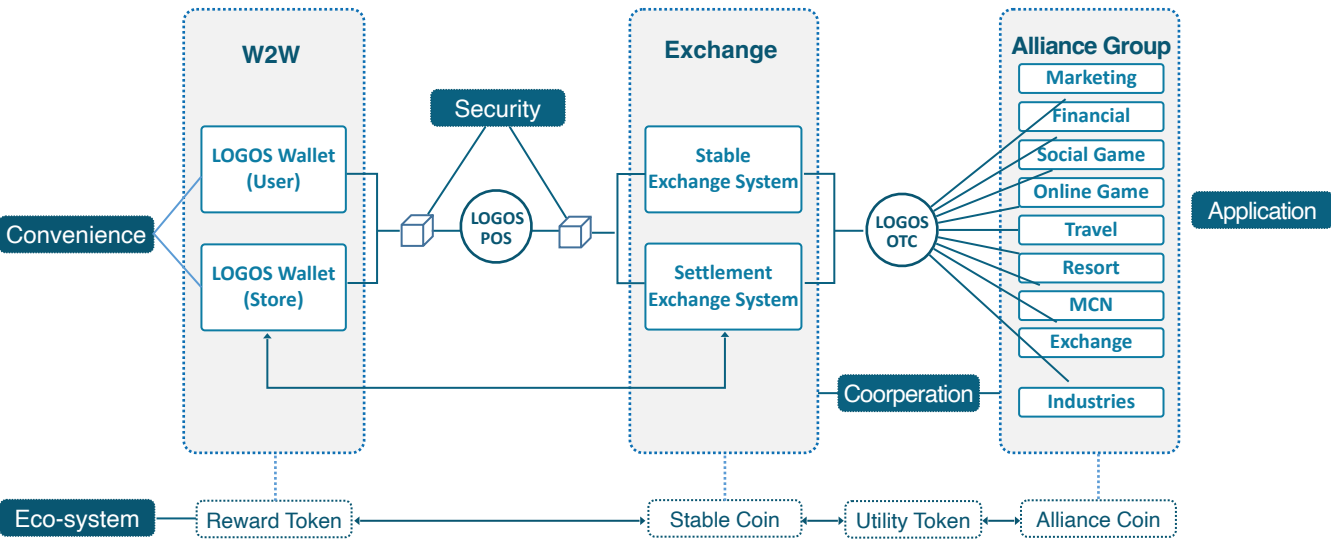


Figure 2-1. Multifunctional Solutions of Logos Platform

Logos understands and applies the concerns of the first generation blockchain payment platforms to step further. LOG Pay platform, the next generation payment platform is ready to provide.

LOG pay platform is designed to be focused on specific industry rather than the solution of entire payment market. Logos also has a vision for long term growth as Logos continues to increase targeting industry.

In the meantime, Logos has focused on developing empirical technologies that can be implemented immediately and can be integrated with various industries rather than focusing on abstract technology development. In addition, it has already been verified in the online game market, where payment is important and technology is difficult., By increasing this specialized target industry, we are looking forward to long-term growth. By expanding various crypto stores and users, we will create a unique ecosystem cycle of the LOG PAY platform, which is superior to other payment platforms.



Figure 2-2.. How Logos Solution works

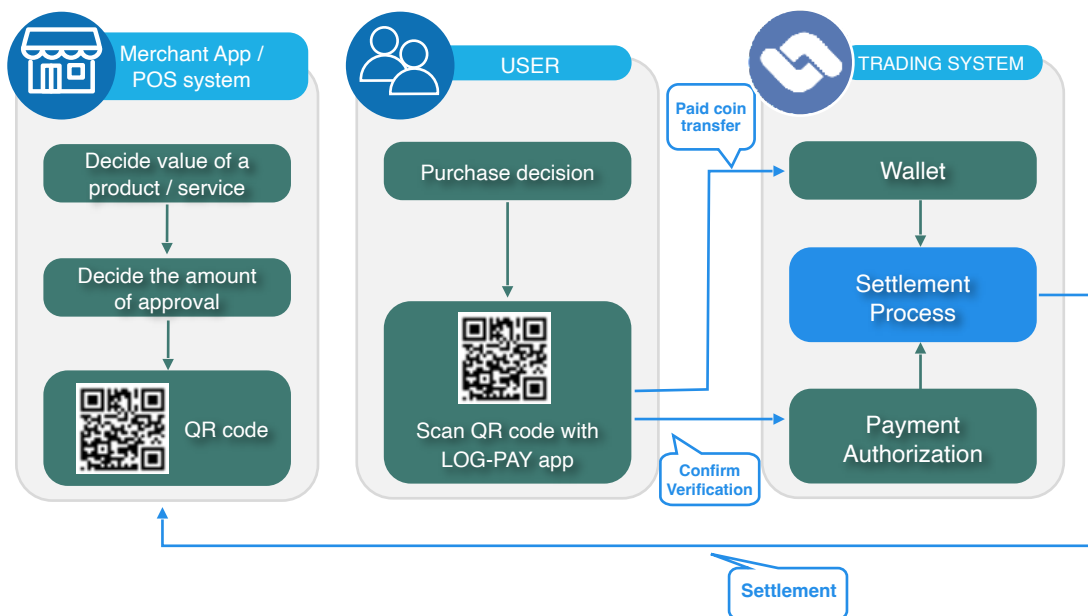


Figure 2-3. LOG PAY Platform payment process

LOG PAY Platform has been simplified for users and merchants. LOG PAY platform has been designed to be similar with traditional payment gateway minimizing the barriers to entry and maximize user experience. User scans the QR code presented by merchant via the payment function in LOG PAYment Wallet. The amount paid by user is transferred to Logos trading system instead of waiting for the transaction processing time of cryptocurrencies, LOG PAY will use its own authorized verification procedure to process the payment. This enables fast cryptocurrency transaction and process which is carried out in Logos trading system.

Through the approval confirmation process, merchants can receive payment completion information quickly and merchants can quickly deliver goods or service to users. The payment process is subdivided by stores' environment. Payment process is firstly divided by depending on chosen cryptocurrencies and fiats and if stores accept receiving by fiat, then second division will be processing by depending on regions, countries and what kind of financial programs have been operating.

Payment by cryptocurrencies are sent to selected stores' wallet immediately. Without any specialties, Logos platform simplifies the payment process to make quick transaction including conversion to desired cryptocurrencies. If they want to receive payment by fiat, they are required to have cash-in process with additional procedures. A local exchange that can trade fiats in the region or country where the store is located is affiliated with Logos, stores can cash out via a regular conversion transition once a day.

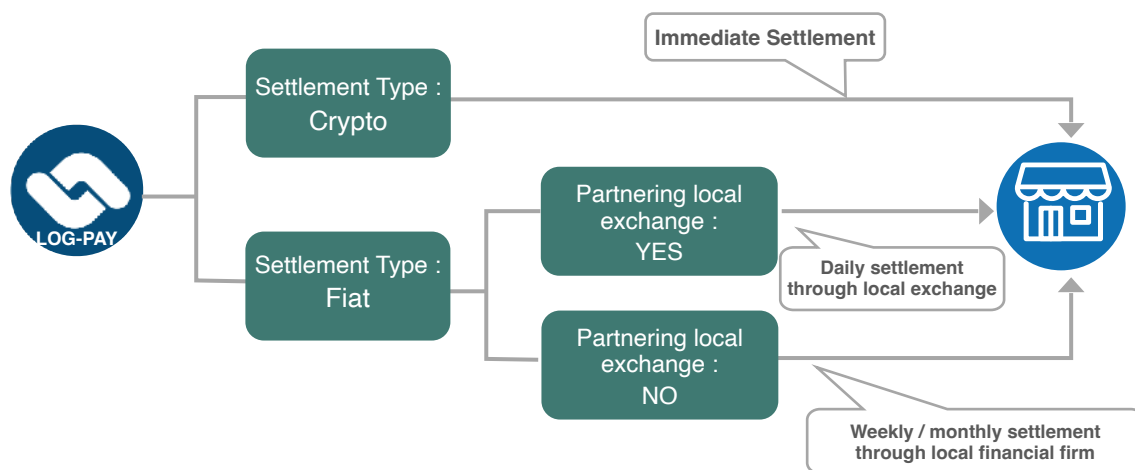


Figure 2-4. LOG Pay Platform settlement process

If the local exchange is not affiliated with LOGOS, LOGOS will issue the payment guarantee policy to the stores of the settled payments. Even if there is no way to personally exchange LOGOS, LOGOS provides a guarantee of local fiat via financial institutions in order to make LOGOS platform more secure and easier to use.

Generally, the QR code method in the simple payment system is divided into two modes; One is the MPM (Merchant Presented Mode) in which the franchisee presents the QR code and the customer scans it with his/her mobile device while the other one is CMP mode in which the customer presents QR code and the franchisee scan it by using its reader machine. Here, CPM mode has the limitation as it is inconvenient in that the buyer shall directly scan the RQ code and enter the amount and the wrong input of the purchasing amount may lead to the dispute.

LOG Pay adopts MPM method instead of CPM method which is the wire transfer system often used in the conventional payment of crypto. It can provide the users who are accustomed to conventional payment system focusing on MPM with the convenience and reduce the possible error in input and the resulting repayment, thus making the payment faster and more safe.



Stable Value Solution for Alliance

The fluctuation of crypto's value has been an obstacle in using it as the payment means. Actually, most of the investors in crypto consider that the fluctuation of the crypto is the biggest obstacle to the development of crypto and blockchain. So, many crypto payment projects have made a lot of efforts such as conversion to the legal currency at the stage of payment or introduction of stable coin. But the fruition has not been acquired due to many reasons. In addition, these methods keep the sellers from participating in the ecology of blockchain and crypto.

LOGOS is made in a way that regardless of whether the buyer pays the crypto through the LOG token and LOG Pay value stability solution, the seller can get paid of the value of legal currency for the product sold through LOG Pay payment procedure at its own choice. LOG Pay value stability solution helps the crypto payment system to be more activated as it makes even the seller participate in the crypto ecology and minimize the damages from the fluctuation of crypto.

Crypto Revolving Service for Users

The fluctuation of the value of crypto makes effect on the user's using the crypto payment system. If the value of crypto goes up highly or is on the rise, the user may hesitate to use their crypto as a means of payment. For the users, once LOGOS judges that the value of crypto goes up a lot, it will convert the crypto to LOG Cash by using one of the conversion functions of LOGOS Wallet and use this as the means of payment through LOG PAY.

The LOG PAY crypto revolving service is as follows: if the time when the crypto is to be used as the payment means is different from the time when a member wants to sell the crypto or if the value of crypto makes a rapid downturn, LOGOS does not deduct the member's crypto at the time when the member makes payment by using the crypto but LOGOS delays the payment. If the user keeps the crypto for a while and thinks that the crypto goes up sufficiently enough, the user sells it and pay the deferred amount before receiving the profit as the revenue of the crypto

The revolving service is the credit card's payment deferment service which most of advanced countries in Europe and North America use. If it is introduced to the crypto payment system, it would minimize the opportunity cost which may occur through the crypto payment and helps the crypto to be used as a payment means.



LOG PAY Platform Functionalities & Features

- **Low Fee**

Users have been using convenient payment service with fees ranging from 2.7% to 5% on original traditional payment gateway platform. Logos platform is to make stores and users to feel more attractive by reducing fees charged due to various factors such as exchange rates, credit card companies, payment companies and network usage fees

- **Fast Account Settlement System**

Cryptocurrency transaction using blockchain network is structurally slower than fiat transactions, but it is transparently managed via the process of being written to a distributed ledger. Logos platform takes advantages of blockchain network features but slower transactions can be handled quickly with a separate payment verification algorithm.

- **LOG PAY INDEX SERVICES**

Logos Index Service provides big data for industry usage on Logos platform allowing users and stores to refer and help new comers to identify industry situation easily.

Especially in case of industries that are frequently used, users can identify more places to use. In terms of new stores when entering into active industries, Logos will provide analyzation and business cases for partnering companies.

On the other hand, Logos will analyze causes, provide solutions for industries that are tradable with less transaction volume and also support benefits for entering the market.

- **LOGOS ALLIANCE PROGRAM**

Logos platform works with various of business partners. Business owners who receive payment will join the Logos Affiliate program and share information and benefits among affiliates. Useful information will be shared to affiliates to use Logos platform better and created an environment for improving and expanding the affiliate program via the community.

- **LOGOS ZONE PROGRAM**

Logos operates the Logos Zone program for offline and online affiliates targeting a specific region or group of specific topics. Among affiliates in Logos Zone, various promotions and information will be shared and offered and help each other to activate more users and marketing.

Likewise, online affiliate promotes benefits for users and partnering companies by receiving the Logos Zone activity information via the Logos payment module during the payment process



LOG PAY Open Platform Architecture

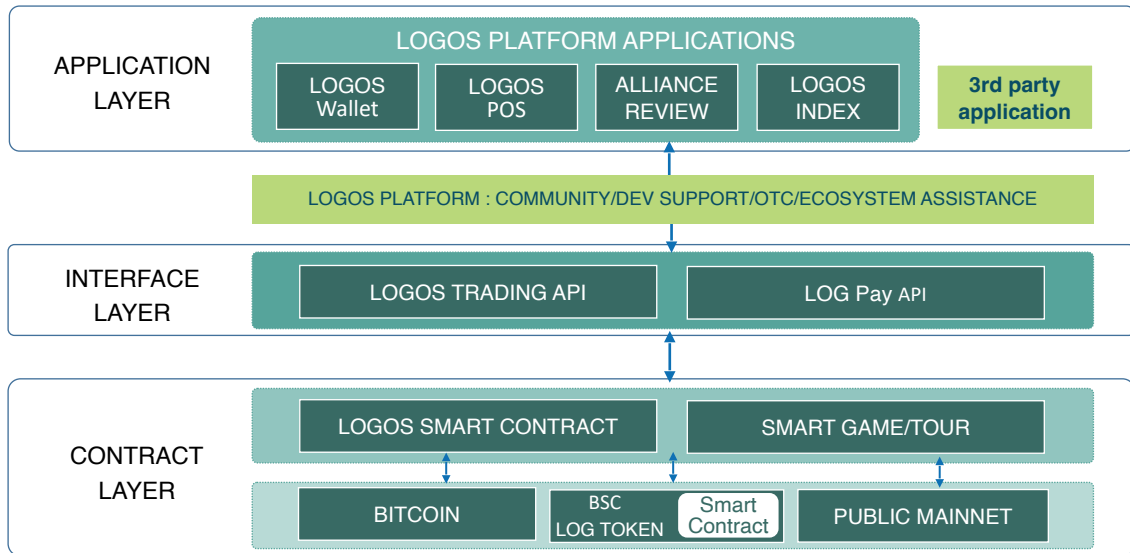


Figure 2-5. LOG Pay Platform structure

LOG PAY platform architecture is divided into three levels:

- **Contract(blockchain) Layer**

The lowest level which interact with various blockchain network. Basically supports Bitcoin, and Binance smart chain and will be gradually connected with other public chains. Contract layer supports transaction of tokens through Interface layer

- **Interface Layer**

Interface layer is a basis of Logos platform, liaise between Application and and Contract layer. Supports all the payment application including Wallet/POS/Payment module and Alliance program. Utilizes the blockchain network for the 3rd party apps, handles transmission and encryption of payment data. This layer shows actual services for payment operated by Logos network system which is separated from blockchain and also perform a role for various application. Currently, API development is on the process.

- **Application Layer**

Application layer shows 3rd party programs which appear to end-user. Application layer programs are applicable to users of Logos platform. Various 3rd party applications will show their original features and also accept basic function of Logos application.



Decentralized Security Wallet Service

Logos encrypts and stores user information for safekeeping of assets. The parser responsible for key distribution receives a randomly generated 256bit key from the Dynamic Key Management System (DKMS) and encrypts it with the seed encryption algorithm. Afterwards, the key is divided according to the number of storage nodes and the linked list is implemented and stored in each storage node. If stored, distribute keys to be stored jointly with their distributed keys on the left and right brother storage nodes to form a recoverable environment by bypassing the storage node even if the storage node is not connected due to an accident. In addition, it plans to store various areas to prepare for non-permanent situations such as natural disasters.

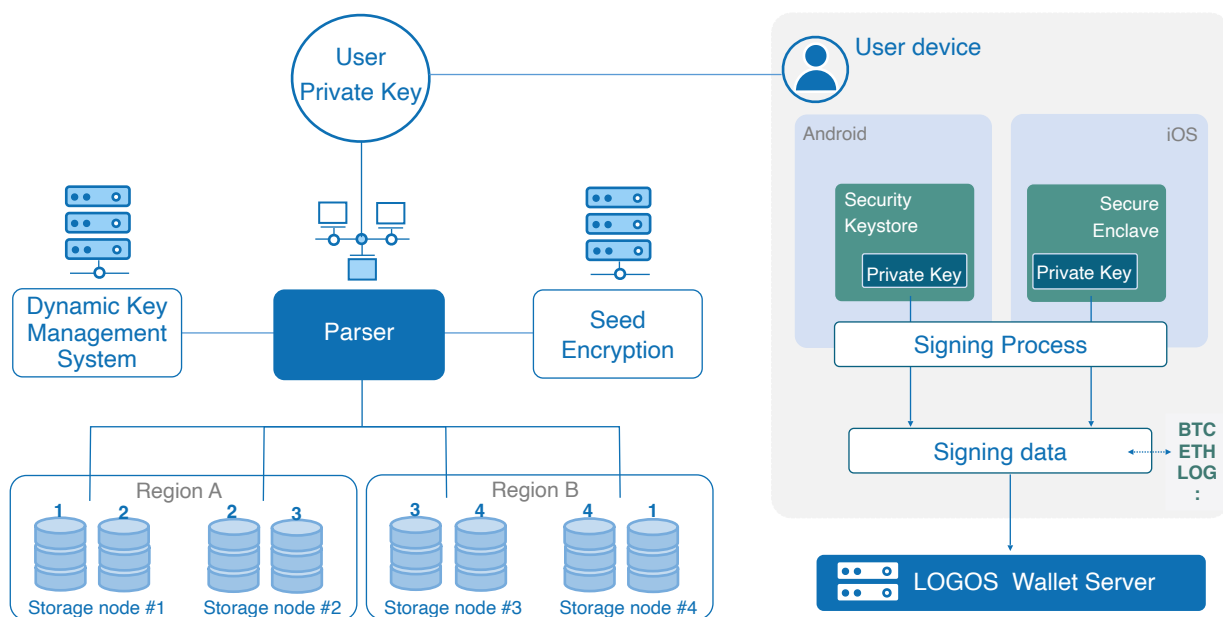


Figure 3-1. logos wallet key distributed storage Framework

Exploitation for Logos' purpose of taking assets must disable all $N-1$ storage nodes when the total number of storage nodes is N . Logos will increase complexity by increasing the number of storage nodes to curb hackers from stealing assets. Other than technology, a completely secure structure was constructed for asset management. Logos will store private key using secure enclave and security keystore provided by platforms from iOS and Android. It will generate signing data when transmission is required and will be applied through blockchain network. Server distribution method will be used when Logos is accessed on browser to support most platforms.



Basic Function

- Custody Wallet Service : Asset Managements, Transaction Service

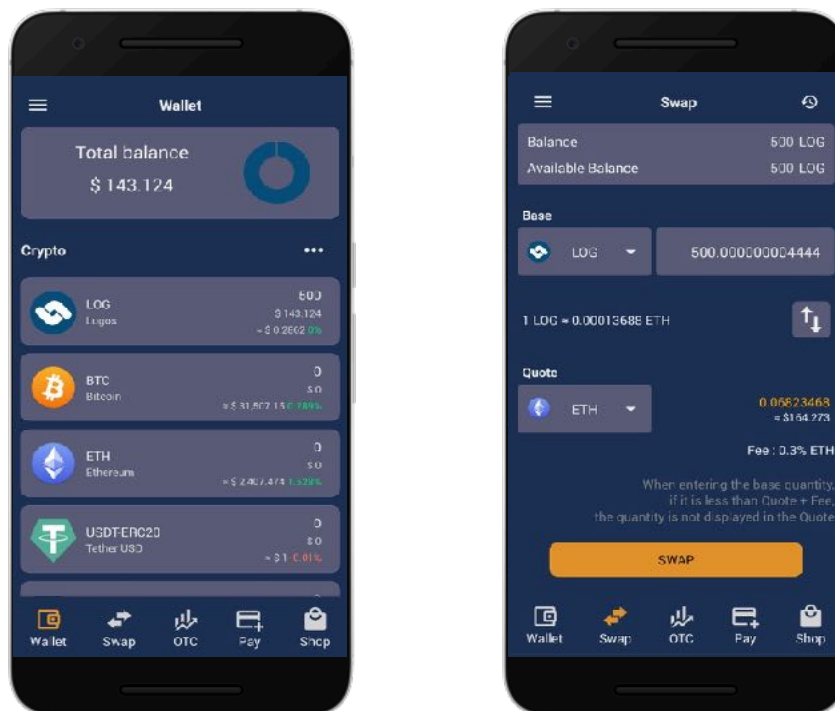


Figure 3-2. Logos wallet application & exchange service

The basic function of User application is crypto wallet function. It provides wallet for cryptocurrencies which is supported by Log PAY platform. Users can transfer the crypto and also can receive the price fluctuations info. Anyone can use Log PAY wallet without KYC, but it is necessary to earn benefit and use all the functions. Through the process, Logos can safely keep the asset and transfer of users.

User application support conversion of cryptocurrency in the wallet. Generally, users have to move to exchange and sell it to convert into other tokens. This procedure cost several transaction fee which appears in the traditional payment market. Logos application can solve this problem.

Users can simply select the crypto and click the transaction button to convert the crypto on the application and earn benefit to keep stable tokens such as Tether(USDT).



Advanced Function

- Crypto Conversion & OTC Service

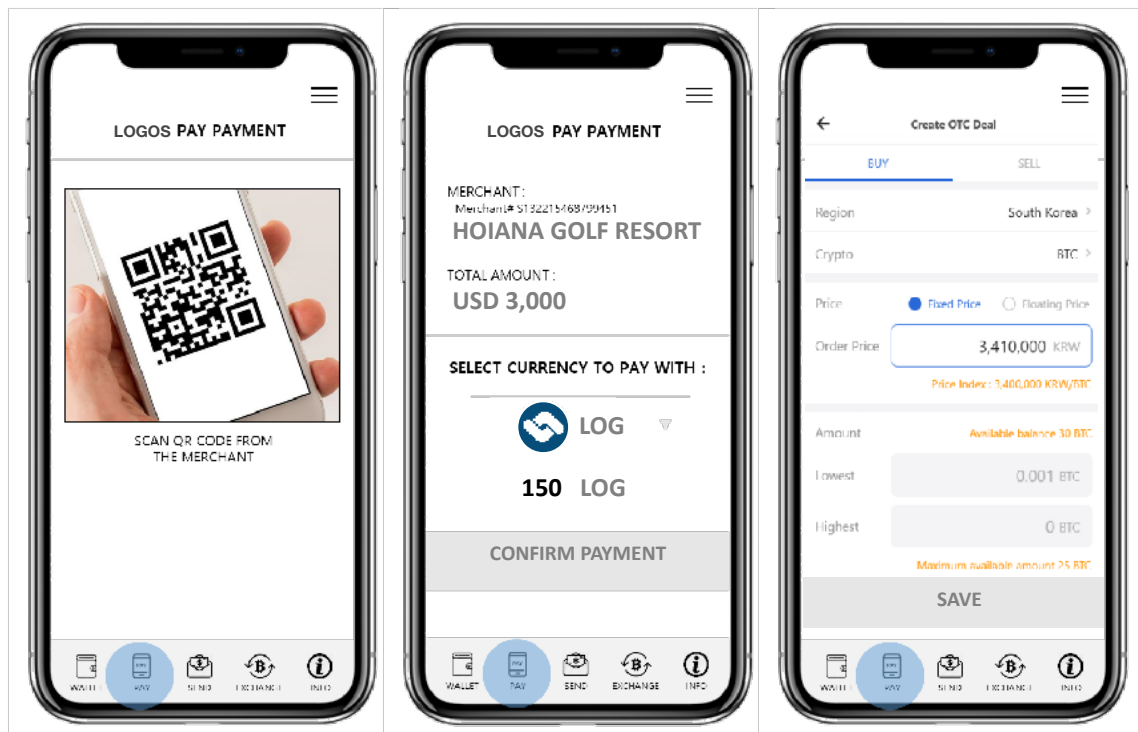


Figure 3-3. Logos wallet payment/OTC service

Users can make payment at the Logos Alliance store by scanning the QR code which is created via Merchant application. Merchant provide the products in legal tender but it will be automatically converted into crypto price on the application. The payment details will be safely kepted on the menu and will be used as a data. This function can satisfy both User and Merchant and accelerate the transactions.

By making Logos Wallet support the conversion between cryptocurrencies and between crypto and Log CASH depending on the change of price in main crypto exchanges, Logos will minimize the possible opportunity cost and risk of loss in the trading at different exchanges. For the conversion service, the buying/selling conversion rate which reflects the index of the price at the main crypto exchanges would be applied and the specified fee would be imposed on the risk of price change.

If great amount of cryptocurrencies is traded, that would make a big impact on the whole crypto market, thus leading up to the rapid fluctuation. OTC is the trading method which can accomplish the trading at the wanted price but does not give immediate impact on the market price. Through the precision designed OTC trading UX, the users can find their trades. After making the negotiation through the function of Logos security messenger, they can complete the trading. As OTC trade provides the users with the interactive ESCROW service, it enables the seller and buyer to safely complete the trading and also provides them with the OTC service at relatively low service fee.



Advanced Function

- LOGOS Alliance info– Off Line / On Line

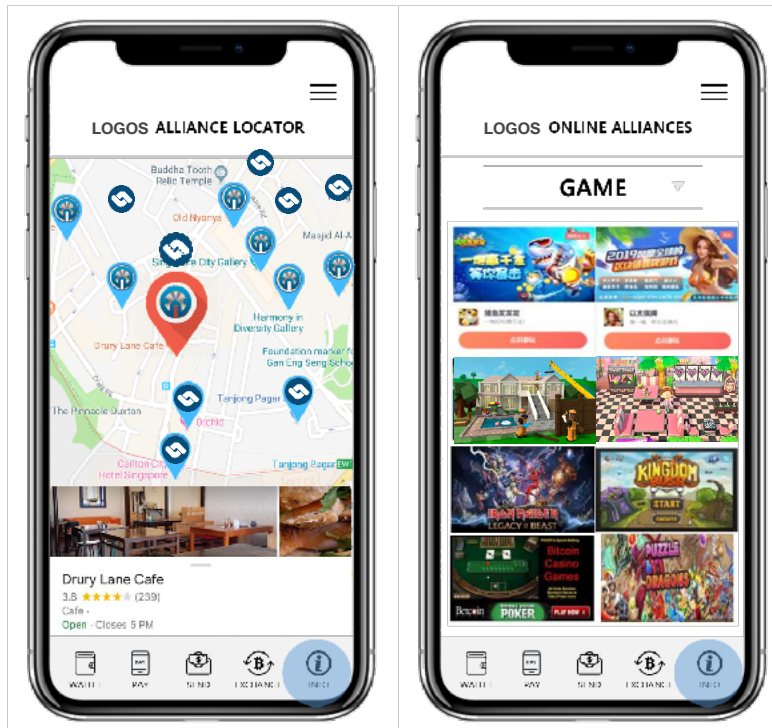


Figure 3-4. logos alliance locator

Logos user application provides service which users can easily access to merchant. Users can search online/offline Alliance on the app and also can share the opinion at community. When users search offline stores, they can find Logos Alliance list based on the area. Furthermore, they can check the benefit for using Logos PAY so that can use it efficiently.

Logos Alliance list provides efficient user interface which is categorized by industry. Users can easily check the review and search. Through the efficient interface, Alliances can post the info about benefit and discount, to use it as a tool of marketing.



POS Application

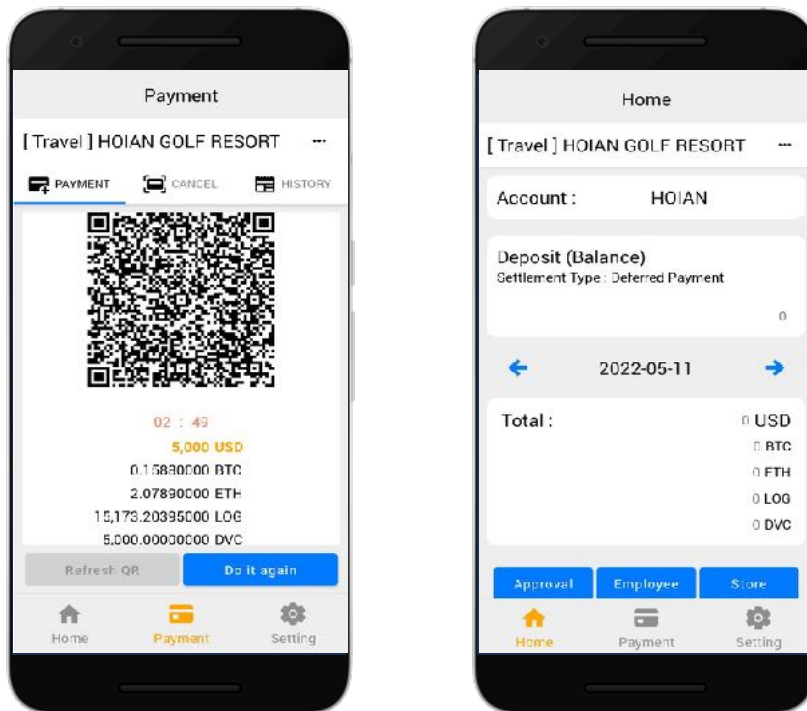


Figure 3-6. LOG PAY POS application for merchants

POS application for merchant will be released for web, mobile and POS reader. Logos Alliance merchants can easily create the QR code for payment and can manage the information for payment.

Merchant application includes creation of QR code, payment details, bill issue and customer management.

Each merchant doesn't recruit customer separately, but customers who use crypto service at Logos PAY platform should comply with KYC regulations. Merchants are unable to receive the personal information but can utilize the big data of consumption pattern.



Crypto Conversion & OTC Service

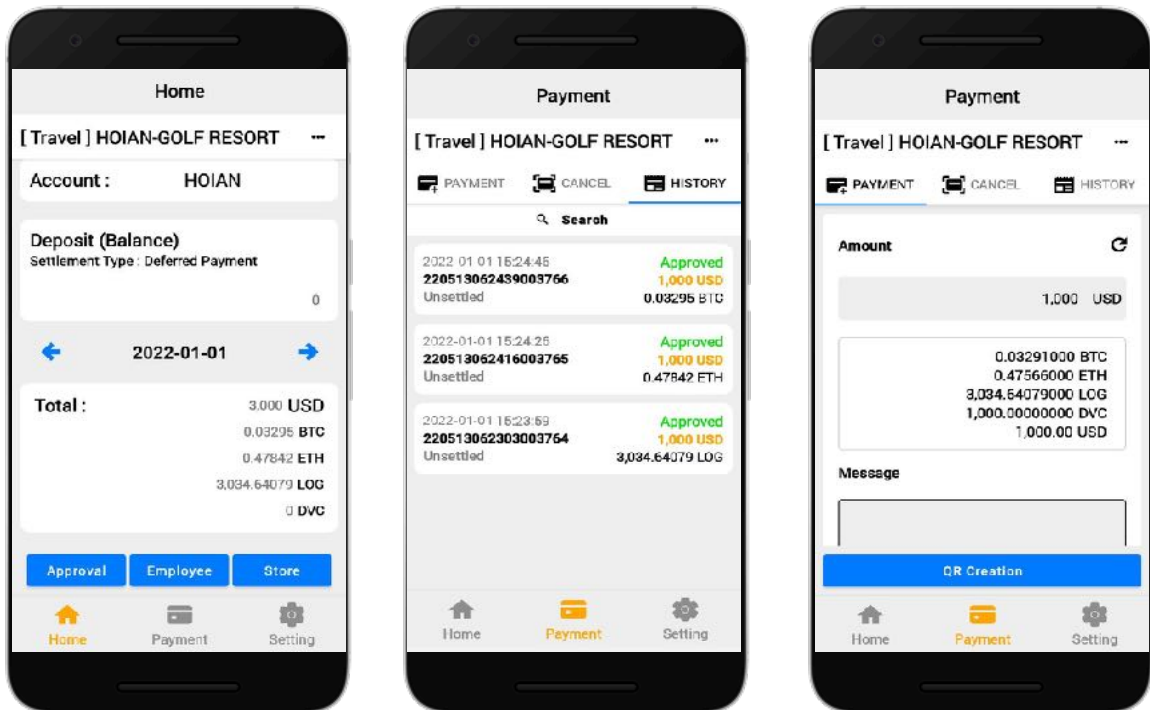


Figure 3-7. LOG PAY POS application : payment & settlement

On the Merchant application, user can input the amount of payment and select the type of cryptocurrency. The amount for payment is automatically calculated and create QR code which contains information of payment and merchant.

Merchant will provide this QR code so that user can apply on the user application and user can check the details for payment in advance.

Payment details can be managed and printed out. Bill output function is only available on the POS hardware but other functions are same. It shows the status of each payment, so that merchant can immediately check and provide the service to users.

Settlement period depends on the contract between Logos and Alliance and each merchant can check the details per period via settlement menu. Merchant can set the period and type of cryptocurrency via option menu and changes will be apply from next period.



LOGOS Token

LOG token in the Logos project is the utility token based on the Binance Smart Chain. It has been designed to provide the general users with various crypto services at Logos platform, which can directly be applied to their daily life. LOG is the main element in keeping the ecology which is constructed through Logos platform, where the values of legal currency and crypto can be exchanged. It is the token which not only supplies the liquidity, but also links the conventional consumption and financial system to Logos-creating value ecology. LOG is not related to the price of any asset. In addition to being a role of the bridge between legal currency and crypto, it is the right or means to help anyone to enjoy the benefits of Logos platform service. By inducing the users to keep and use, it keeps the total ecology and raise the values. It is tradable at the crypto exchange where LOG is listed.



Figure 4-1. Logos Symbols

LOG Cash

Logos enables the users to convert crypto to the log-cash which is the currency in the form of token and has the same value as the legal currency in preparation for the possible rapid fluctuation of the price of crypto. Log-cash supports the selective main legal currencies and is used in various financial services provided by Logos platform as well as being used as the payment means at log PAY.



Figure 4-2. Payment Option



Logos platform have key players which are User group, Alliance group(merchants) and Partners(companies). Users and Logos Alliances use payment gateway through Logos platform and make transactions and earn benefit for transaction data. Companies are able to distribute their tokens at Logos platform or utilize their payment service with Logos tokens. The tokens can be used only at their service or open to the public to use it at Logos platform as payment method.



Figure 5-1. Logos token economy

Logos platform is consisted from the keynote below;

- Design of the Application should be convenient and efficient to users. Remove unnecessary fee and give benefit to key players.
- Provide payment data and transparent environment to registered users.
- Provide reward plan based on payment amount.
- Provide authority for using Logos platform to the partners to expand and diversify the network.



- **User**

Users are the customers who makes payment at the store, using the index and crypto exchange service with Logos platform. To use Logos platform, users have to purchase cryptocurrency at Exchange and change it to payment token, and move it to payment application or wallet.

Logos platform focus on the user convenience to exchange the cryptocurrency easily and provide benefits to all users who use platform for their usage. Benefit for usage will be saved from payment fee for all the transaction and users will receive refund regularly.

- **Alliance**

Alliances or Merchants are the players who pay the fee for the payment. Alliances are free from duplicated fee or exchange fee but only applicable to Logos platform fee.

Apart from payment and settlement cycle, they can perform the promotion for the service. Alliance can stake the tokens and receive the reward from amount, also can expand the payment amount limit.

Furthermore, alliance can participate in the promotion and event hosted by Logos with Logos token(LOG).

- **Company**

The partner company of Logos can build the alliance with any player who use Logos platform as payment method. Once the alliance has been made, they can compose their own token and utilize Logos as independent payment platform. They can build their own network but also possible to target the whole Logos platform. This means that company can plan their own business freely with Logos Alliance.

Logos Token Economy

Logos Zone Protocol is a platform designed to horizontally expand decentralized applications, Partners can provide various online and offline services with Logos Token, and customers who participate in the ecosystem can apply for various services and participate in games through token and log cash. Rewards can be received according to participation and contribution, and tokens can be used in various services within the Logos ecosystem. All members can check the results of using the service and game rewards directly on the app. At the end of each session, all information is uploaded on the block chain by Smart Contract.

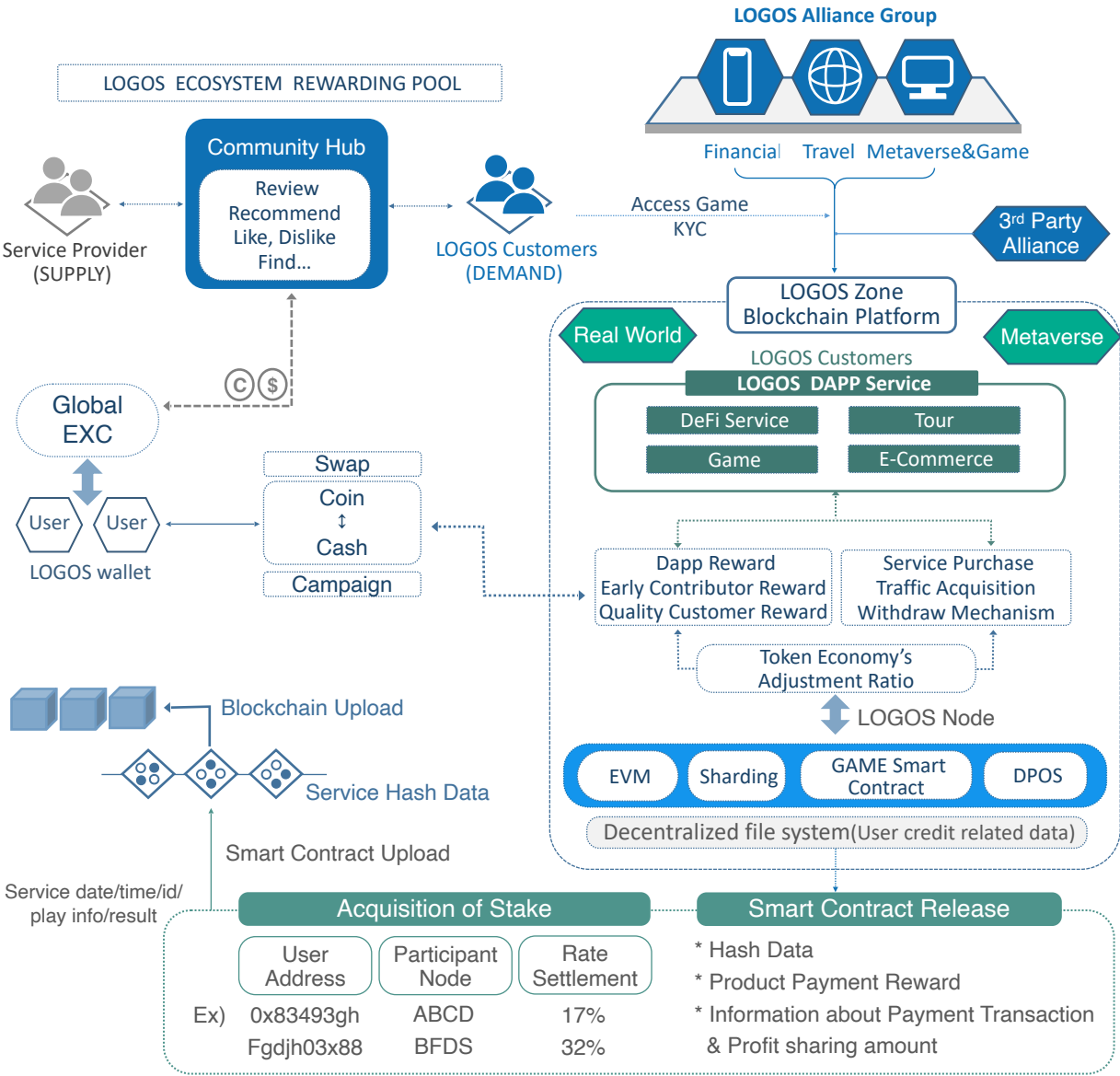


Figure 5-2. Logos Zone Platform Ecosystem Flow Diagram

Logos will issue 200,000,000 LOG tokens following the BEP-20 token standard. LOG tokens are considered a digital asset, fully utilizable in Logos ecosystem & partnering platforms.

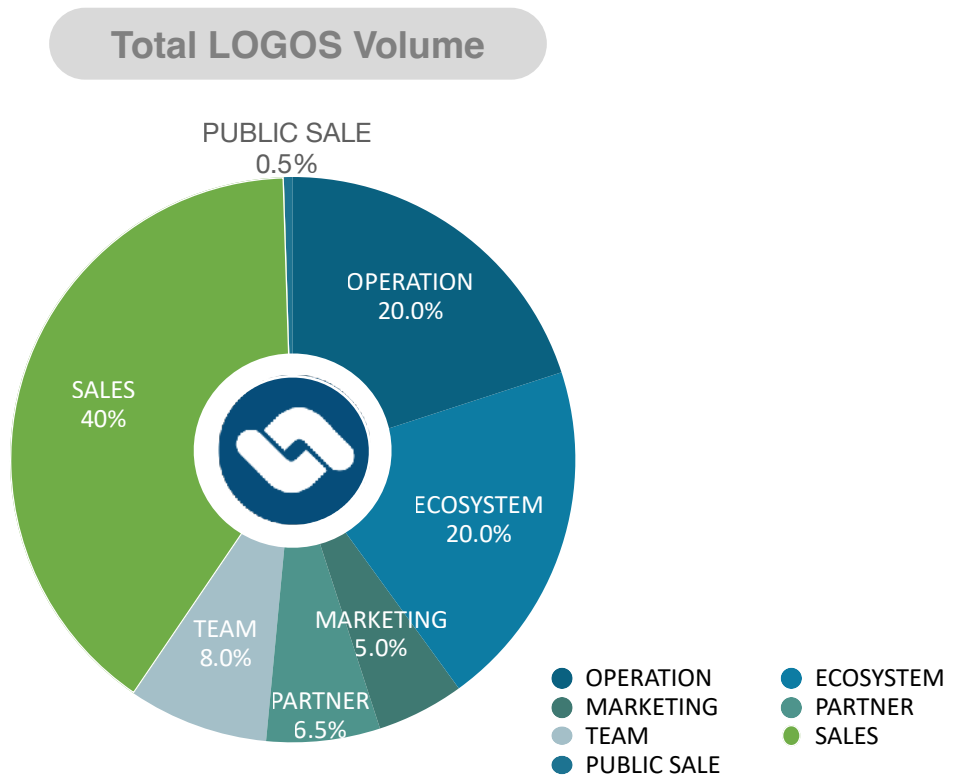


Figure 6. Token Issuance

Ratio	Amount(EA)	Purpose	Remarks
20%	40,000,000	Operation	Operating the payment system & ZONE setup
20%	40,000,000	Eco System	Preserved for the Eco system liquidity
5%	10,000,000	Marketing	Project Marketing & Advertising
6.5%	13,000,000	Partner	Partnering to extending the eco system
8%	16,000,000	Team	stock option / Vesting 1-5 years
40%	80,000,000	Sales & Alliance Setup	Preserved for the ZONE liquidity
0.5%	1,000,000	IDO & Public Sale	IDO & Initial Public Sale
100%	200,000,000		

Table 6. Token Allocation



For the prosperity of the LOGOS ecosystem, the LOGOS team is formed of experts in diverse business fields. Not only experts in the blockchain department that integrate the blockchain into the real economy, real economy analysts, travel business experts per country and region, and financial experts for investments are gathered together to support and build the LOGOS ecosystem fully.

Sean

Head Chief

- 15 years experienced in Travel industry
- Policy advisor

As the representative of the LOGOS project, he's designing local LOGOS zones and gathering LOGOS alliances based on his 15 years of experience in the travel business field. With his effort, travel agencies from multiple countries are joining the LOGOS project, and building fundamentals of the LOGOS zone starting from Southeast Asia.

Jason

COO

- Worked in Malaysia, Philippines, Republic of Korea
- 15 years in Software Project Managing

Jason has worked across many countries performing as a successful software project manager, in Malaysia, the Philippines, and South Korea. As an expert in each local country, he is strong at managing cross-border tasks. From the background of 15 years of experience in project managing, he's optimized at combining the real economy and the latest technologies in this project.

Adam

CTO, Data Architecture

- 20 years in network engineering & system design
- experiences in blockchain projects

Adam is leading the technologies in the LOGOS project based on his CTO experience in many projects in the past. Adam is the key member realizing all of the ideas and plans for this project with the technology integration. As the LOGOS zone expands and the user group grows, the efficiency in the technical design will stand out.

Chris

blockchain R&D

- 15 years in server engineering & data analysis
- experiences in blockchain projects & crypto exchanges

Chris is one of the key members who are in charge of the blockchain technology in this project. His blockchain experiences in other projects and crypto exchanges give firm stability to the project and accelerate enhancing the blockchain payment system, and investment system.



This is LOGOS's development, zone business launch and expansion plan year by year

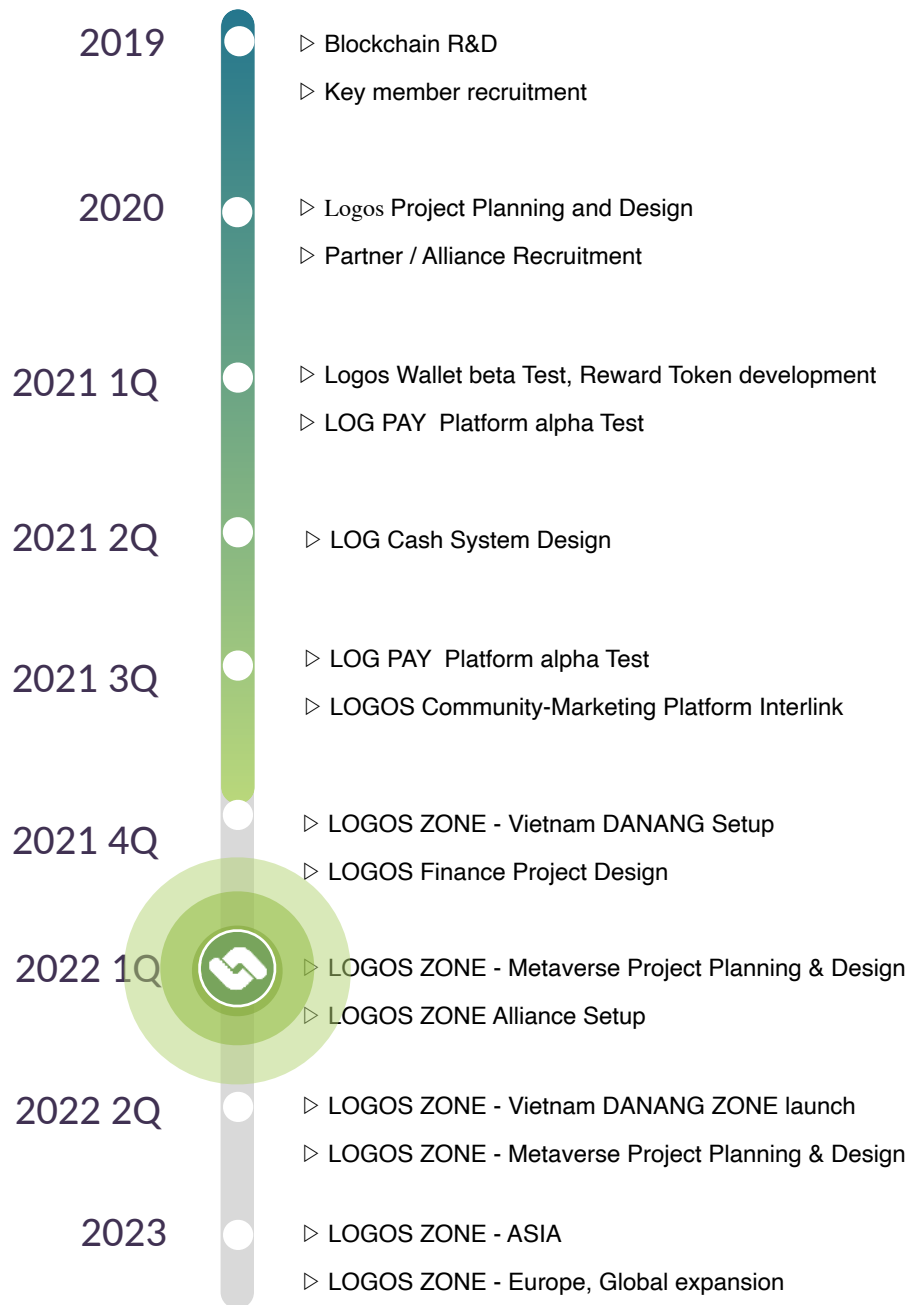


Table 7. Logos Short-term Road Map



Please read this legal notice carefully. If you are unsure about your future actions, we encourage you to seek professional advice from law and finance experts.

This white paper is for the purpose of providing information related to the project at the time of its creation and does not constitute a contractual obligation. The disclosed information may be amended freely to comply with regulatory obligations of the authority or due to inevitable reasons during operation of the project. However, if Logos changes the token's function, this white paper will be adjusted accordingly and will be posted on Logos website.

The information and data contained in this white paper are acquired from reliable sources, but we have not verified information or data from third-party sources, nor did we confirm the underlying assumptions. The information contained in this White paper is accurate, and the assumptions are reasonable. However, this does not imply a complete guarantee of this information's accuracy.

The purchase of Logos token occurs based on participants' voluntary action. Therefore, you should review the information contained in this white paper as well as other information provided by Logos. You must be prepared for unforeseen hazards or uncertainties that may cause you unpredictable harm. The duration of the financial risk can be applied without limit.

Although this white paper is not designed to protect any administrative contracts or customer overinvestments, we will make every effort to comply with regulations. In the case of decisions that are currently unregulated or controversial, we will prioritize the benefits of participants.

Some of the expressions in this white paper contain forward-looking statements about the future of the project. It may be different from predetermined result and should not be promised or claimed. All the contents are explained under the condition that Logos platform is fully operational but it should not be interpreted as a guarantee or commitment to the completeness of Logos, and we are not legally responsible for actions taken on this basis. Logos tokens do not grant the authority to participate in the operation of Logos; therefore, it does not mean Logos tokens grant an authority or any representation of it even when information or explanation of Logos is provided. This means that they do not include any elements of contractual relationship. We will provide intended functions of Logos tokens for Logos, and all proceeds from Logos will be freely available for service development and business acquisition.

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