

# Smart Business Network - NGO

## SMART WALLET Platform Using Smart Contract

[www.ngorb.com](http://www.ngorb.com)

NGO Token WhitePaper V1.0

June 28, 2021

Before the introduction, I would like to thank Satoshi Nakamoto and Vitalik Buterin for bringing the opportunities for innovation in the financial industry. We are currently in the process of a new financial market change. Countries around the world are also enacting laws and institutions and pushing for newer and more diverse models in line with these times. We hope that this paradigm shift in the financial industry will create a fair opportunity for anyone to develop and refine various quality service models.

## 1. Introduction

Today we live in a world full of different investment products (stock, bond, fund, ETF) and fintech models. In early 2021, the KOSPI index exceeded 3,000 (NASDAQ: 30,000, Dow: 12,000), hitting an all-time high, but many existing manufacturing industries are in trouble due to Covid-19. Many industries are currently in trouble. The airline industry is in a crisis caused by a sharp drop in the number of passengers. The auto industry is also experiencing decline in productivity due to a lack of semiconductors.

However, due to the rapid changes in living and industrial environment caused by Covid-19, the global financial industry is facing a new era of 'fintech'.

Due to the changes in the Untact era, various types of platforms fused with IT technologies and innovative business models are expanding, and following this trend, diverse blockchain-based platforms are also being supplied.

The simplest example is that more than 386,113 cryptocurrencies are officially registered and traded on the world exchange.

However, as the market grows, many investors find it difficult to find the right place to invest. According to market analysis, many investors are suffering from valuable personal asset losses due to lack of information and lack of understanding of the digital asset management system, and many are still struggling to invest because they believe the initial entry barrier to stock investment is too high.

Our NGO team operates its own R&D center to help those who are struggling with investment, and we would like to introduce NGO Market, a PEER TO PEER (P2P) smart market platform developed by our R&D center. The NGO team intends to provide users with quality services through the NGO Market Network, using various cultural facilities, new ways of purchasing contents, boosting consumption, and linking with various affiliated market platforms.

For example, we want to create an environment where users can more easily access music streaming, e-book purchase, and various digital customized coupons through the NGO smart market platform. NGO Token is a currency used in smart market platforms and will be the most basic service that connects the NGO blockchain networks.

## 2. Background

### 2-1. Introduction of Digital Currency to Major Institutions around the World Expanding

Citing sources familiar with the issue, U.S. economic news agency CNBC reported, "Morgan Stanley is the first of its kind to launch a fund that allows asset management customers to invest in bitcoin funds." This is the first time that a major financial institution has accepted requests from customers who want to invest in cryptocurrency, and it's a real recognition of the value of digital assets.

As the shape of the financial industry changes across our society, many investors are also calling for a change in investment targets. The U.S., China, Japan, Germany and France of the EU, have long been preparing institutions to lead new financial markets, and the Fed's chairman recently urged a digital dollar research plan, hoping to cooperate with banks and cryptocurrency companies. The Federal Reserve has also announced plans to allow authorized financial institutions access to digital asset accounts, and the National Credit Union Administration (NCUA) says it is seeking new positions to handle digital assets. In particular, the Options Clearing Corporation (OCC) is one of the most active institutions in combining the banking industry and the digital asset industry, issuing guidance on how banks can interact with digital assets and granting cryptographic companies multiple federal trust loans.

In line with this trend, the NGO team started the project to find a business model optimized for the value of digital currency, and will expand our NGO's market by providing various services through partnerships with media to protect and ensure the value of digital assets held by customers.

### 2-2. Increased ERC20-based Derivative Services

In 2017, when Bitcoin was booming, it was hard to find ERC20-based services. However, various platforms are being launched through the Ethereum network. It is Covid-19 that has enabled this ecosystem to evolve rapidly, which has catalyzed the expansion of ERC20-based services.

As digital currency has emerged as an alternative due to the Covid-19 pandemic, mobile payment systems using digital currency have been expanded and introduced in many countries, including companies and local governments around the world, resulting in a surge in online sales.

With the development of the Covid-19 vaccine, many countries around the world are talking about ending the pandemic with collective immunity, but the reality is not that easy.

According to experts, we will have to live side by side with the virus, which means that it will not be easy to return to our normal daily lives of the pre-Covid-19 time.

Then we should note that the biggest change in this environment is the financial market. With the development of the digital industry, the financial industry will develop rapidly over the years, which will bring various changes to our lives. The NGO team will not stop trying to protect and develop the assets of all users of the NGO smart network by analyzing and preparing various ecosystems in the marketplace as these trends change.

Percentage change for online and off-line distributors' sales in 2019 and 2020

Classification	2019		2020	
	Sales percentage	Percentage change	Sales percentage	Percentage change
Large Mart	19.5	-8.8	17.9	-3.0
Department store	17.8	0.9	11.2	-9.8
Convenient store	17.1	4.0	16.6	2.4
SSM	4.2	0.1	3.8	-4.8
All	100	4.3	100	5.5
Offline total	58.6	-1.8	53.5	-3.6
Online total	41.4	14.2	46.5	18.4

Source: Ministry of Trade, Industry and Energy, Office of Distribution and Logistics.

### 2-3. Expanding Digital Currency Platforms

The representative payment systems currently used in the world online and offline markets include Apple Pay in the United States, Alibaba's Alipay in China, Samsung Pay in Korea, and local digital gift certificate sales apps.

Also, various e-money platforms are being distributed in the primary financial sector and local governments. This can concentrate customer consumption on their products and services, but it also violates the basic principles of a free economic market while regulating consumer choice autonomy.

Due to the capitalism and monopoly of large companies, the value market is shrinking due to the misinterpretation of many digital assets, and even the possibility is now being removed from the market. In the end, these large companies' actions can be seen as a preparation to monopolize the market in the same form while maintaining the existing centralized form of the payment system.

The digital local currency currently being used is a similar concept of service. As we face a new financial paradigm, respecting the diversity of digital currencies and allowing them to be recognized is the only option to break away from the financial system of the past. In the future, digital currencies and platforms specialized in various types of services will be developed and operated, and this will be the future and reality of the new financial markets we face.

According to [coinatmradar.com](http://coinatmradar.com), there are already over 7,000 Bitcoin ATMs worldwide. This is why Bitcoin is recognized as a payment currency and investment value. The market will gradually expand and the number of users will increase. In other words, the new financial market has already begun, and now it is time to follow the trend of the times and prepare thoroughly, not whether to choose.

## **2-4. Changes in Payment System**

Different types of payment system models are released and widely used by many people as times change. However, we need to look carefully at the forms of payment systems commonly used around us.

The so-called PAY, which we use as a simple payment method, registers a credit card with a smartphone and pays through self-authentication. Many pointed out that this method is a system that users feel very convenient because it is simple to pay, and it has become a starting point for a big change in the closed financial environment so far, but it is not very innovative, paying higher fees than credit cards. However, various fintech models are now being released and transformed into a platform that connects bank customers. Therefore, banks will feel the need to introduce new ways to retain existing customers, and will have to consider how much information they open to attract new customers. In other words, it is safe to say that the future existence of banks is determined in this regard.

Now, the fintech model business, which can be changed not only by account number but also by bank with a single click, has become more important. However, many companies are still competing for the most important payment system model. Korean banks are preparing for the competition through the open API construction in a hurry. Originally, making money was a unique area of central government in each country, and moving and storing it was the area of financial institutions. Even now, many payment system models are still causing a lot of confusion due to connections with old systems, but this will gradually stabilize.

As the government moves into the fintech era, it is quickly preparing to revise laws that protected banks and existing financial institutions and enter new financial markets. However, the most important part of the financial platform is the payment system, which is still lacking, and all existing services are focused on services that deal with existing currencies digitally, and even these are large developer-oriented services. For this reason, the NGO team plans to devise a new model and plan and supply digital currency-specific services that can be conveniently used by both affiliated merchants and users in the future to address market inequality.

## **2-5. Expanding Digital Asset Investment Awareness**

As the price of digital currency has soared since 2021, U.S. investment banks, including Morgan Stanley, are speeding up the launch of related investment products, suggesting that financial companies around the world should also consider launching related products in preparation for market expansion.

According to a report titled "Expanding Digital Asset Investment by Large U.S. Investment Banks," global investment banks Morgan Stanley and Goldman Sachs are each preparing to launch and prepare digital asset investment products, and JP Morgan Chase is also preparing Bitcoin funds.

Bloomberg also announced that JP Morgan, the largest bank in the U.S., is preparing to sell bitcoin funds to customers with private assets, and that NYDIG, a company specializing in cryptocurrency, will manage the assets as early as this summer. JPMorgan Chairman Jamie Dimon has continued to remain skeptical of Bitcoin, but it can be interpreted that he has changed his stance as the demand for digital assets has increased with the changing perception of digital currency by investors.

Experts predict that digital assets will now enter the mainstream following the release of bitcoin-related products by large U.S. investment banks. So far, large U.S. banks have hesitated to enter cryptocurrency transactions due to regulatory issues, but the aforementioned moves of Morgan Stanley, Goldman Sachs, and JP Morgan Chase show that famous companies and investment institutions are now preparing for bitcoin transactions. Major U.S. media outlets are also evaluating

that digital assets are gradually entering major investments such as stocks and bonds.

Therefore, it is time for financial firms around the world to prepare preemptive response strategies for the digital asset business. Despite the successive launch of digital asset products by large U.S. banks, many countries still do not recognize cryptocurrency as an asset and do not even discuss related bills, causing confusion among investors and becoming only a money laundering channel in the world. Above all, it's time for institutional improvement, greater digital asset awareness and asset management services to be delivered. As a result, NGO teams plan services optimized for digital markets that enable easy access to digital asset protection, digital asset market information and easy transfer and management of various digital currencies. Above all, we are expanding our business to make easy payments and customized coupons for various affiliated companies, as well as optimized market services for affiliated merchants through NGO Token.

### 3. Market Analysis

As the value of digital currency expands, the number of consumers who want to take advantage of it is increasing. You may think it's just the current of the times, but it's already deeply in our lives. However, the market dominance of large companies has flooded business models that violate decentralization pursued by digital currencies, and the form of digital currencies eventually implements the existing centralized capital market rules. It is self-evident that they are making the digital currency market recognized and settled in the public.

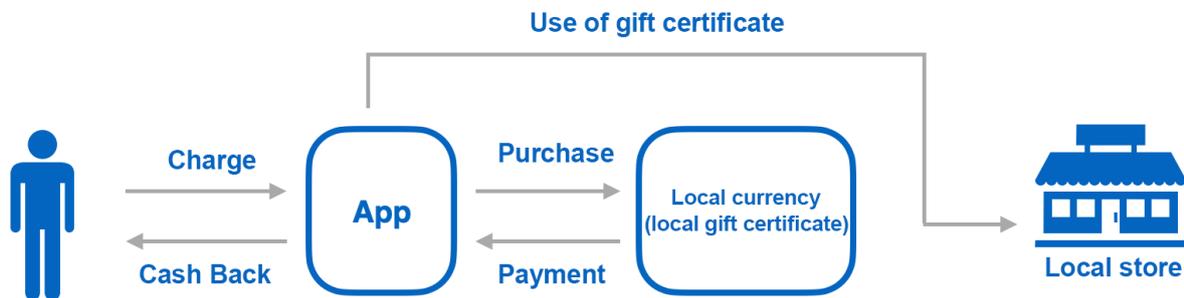
However, the digital currency market is one that needs to be prepared for big changes in the future. As sales in the offline market continue to decline every year after the Corona crisis, our NGO team believes it's time to have a new market platform to balance the market amid this chaos and plans a platform optimized for new digital assets. So far, the services of dinosaur companies have only been divided into banks, and many people may perceive them as dealing with existing banking rather than digital asset management.

In fact, the true value of digital currency issuance starts with concept diversity. This is also the diversity and originality of digital assets. It's time to be ready to invest in the value of digital currency and create new value for assets so that they can be used in more diverse areas through expansion of the marketplace. In other words, we need a new market platform that has the same offline value and is easy for anyone to use. Already, the world is turning into an era of preferring non-face-to-face payments, and its forms are already diversifying. Therefore, future generations desperately need new platform models to recognize, respect, and create new paradigms for different digital currencies.

In this regard, let's look at the cases that are currently implemented in Korea. The most representative example is the Korean local currency gift certificate. There are many local governments in Korea that are developing local currency, but even the method of issuance is not unified. As a representative business model, we are conducting a card-type business through charging and payment apps based on good Pay. Early mobile gift certificates were carried out in the form of card-type businesses and have recently been distributed in the form of improved digital local gift certificates.

If you look at the distribution structure of local gift certificates that are packaged and used in local currency in Korea, it is as follows.

## Local currency (local gift certificate) distribution process



### Problems :

Users charge cash through the app, purchase discount coupons for each district at a 10% discount, and use coupons within the designated administrative district. There is a coupon gift function in the app for convenience between regions, but its effectiveness is very low. Coupons used by designated local franchises are all different and are experiencing inconvenience when using other franchises. In addition, due to the limited number of local gift certificates issued, controversy over the fairness of purchase has been raised, and each local government will incur an issuance fee when issuing local gift certificates. Gift certificate payment fees are paid by the seller, and issuance fees (operating agency fees) are paid by each local government.

The problem here is that operating fees are not unified by local governments and are paid up to 3 percent. In other words, as the demand for gift certificates increases, the amount borne by each local government continues to increase.

Various attempts are good, but without new improvements in the future, the national budget is expected to focus on local currency operators and only cause losses as the operating period increases. In the end, only the operators make money, and it's not available to those who really need it, and a large amount of budget is being wasted contrary to the intentions of the government and local governments.

## 4. Introduction to NGO Services

NGO is the representative digital asset used in smart stores. Also, we collectively call the service that manages assets an NGO Smart Wallet. NGO is basically a smart digital asset developed through Ethereum-based smart contract coding, which is designed to provide a stable smart store platform through Ethereum blockchain, which is extensible and unlike Bitcoin's limited commands.

NGO has consumed various cultural contents such as books, movies, and online shopping using a smart market platform specialized in payment and asset management. We plan to expand the scope of the market through mutual partnership with offline markets, especially by strengthening security using NGO-specific blockchain networks, we are securing stability from the risks of hacking that many people are concerned about. Beyond the basics of digital currency, we are expanding many businesses using new blockchain and continuously developing various models through in-house R&D centers.

Recently, Tesla has made headlines by investing \$1.5 billion in bitcoin and adding bitcoin payments to the vehicle payment method. However, we canceled it because the huge amount of electricity generated during Bitcoin mining affects the environment. In other words, Tesla's introduction of Bitcoin payments has negatively affected the newly introduced Environmental Social Governance (ESG) index. We welcome this new standard of assessment of corporate investment choices, and NGO coins are eco-friendly with a PoS-based proof approach. Also, we are planning to participate in various forms of social participation through global NGO organizations. In other words, the introduction of NGO coins has a positive impact on the ESG evaluation index, which will be a new standard for corporate valuation, and is optimized for companies' payment and business platform application.

NGO is a basic model of currency value in offline markets, but aims to expand NGO value and NGO network infrastructure through network transactions with customers and customers or store owners through mutual cooperation. In other words, the difference between an existing market platform and an NGO market platform is that ``operators and users create and grow together."

NGO network users will become a new blockchain-based smart market business model that can meet the value of their asset investment as well as the basic value of their currency. In addition, the main functions of NGO Smart Wallet include creating wallets capable of trading representative digital currencies such as Bitcoin/Ethereum, organizing my own digital asset portfolio through various market information, and searching for news from digital asset advisors with different depths.

The most distinctive feature from existing wallets is that users can issue their own digital customized coupons and purchase and sell them through NGO smart wallets. In the case of digital gift certificates distributed in the existing region, the cost of issuing coupons and operator fees played the biggest role in the overall operating cost of the service, and each local government is still looking for ways to improve the operating fee problem. However, when issuing your own customized coupon through NGO Smart Wallet, there are no maintenance costs and related fees, and the issuing agent can set the discount rate and the amount of issuance.

Like this, NGO Wallet has the advantage of being able to produce and distribute optimized personalized coupons. This is because certain digital coupons issued through NGO calls can be purchased and used immediately by merchants affiliated with NGO networks like cash. There are no restrictions between the region and the country where you use it, and you can manage your assets smartly through free trade. The gradual expansion of the NGO market network will have the effect of increasing the value of NGO currency and eventually enabling merchants and users to enjoy the benefits of digital asset investment. Eventually, the expansion of the NGO network was based on a model design that allows both users and investors to gain digital asset investment and protect and increase their assets with networks optimized for these intersystems. In addition, we will expand our partnership with large online markets to make it available at a lower price regardless of the type of payment, such as cash, cards, and paper vouchers.

## 5. NGO SMART WALLET

### 5-1. Features Introduction

We would like to introduce the basic features of SMART WALLET prepared by NGO. Various coin trends can be checked for digital asset management, and transparent and safe investments can be made through data analyzed by professional advisors. SMART WALLET consists of services optimized for digital asset operations. In the future, based on the bank fintech open API, we plan to expand the features so that users can check their bank balance with NGO Smart Wallet and convert and manage their digital assets in the most convenient ways.

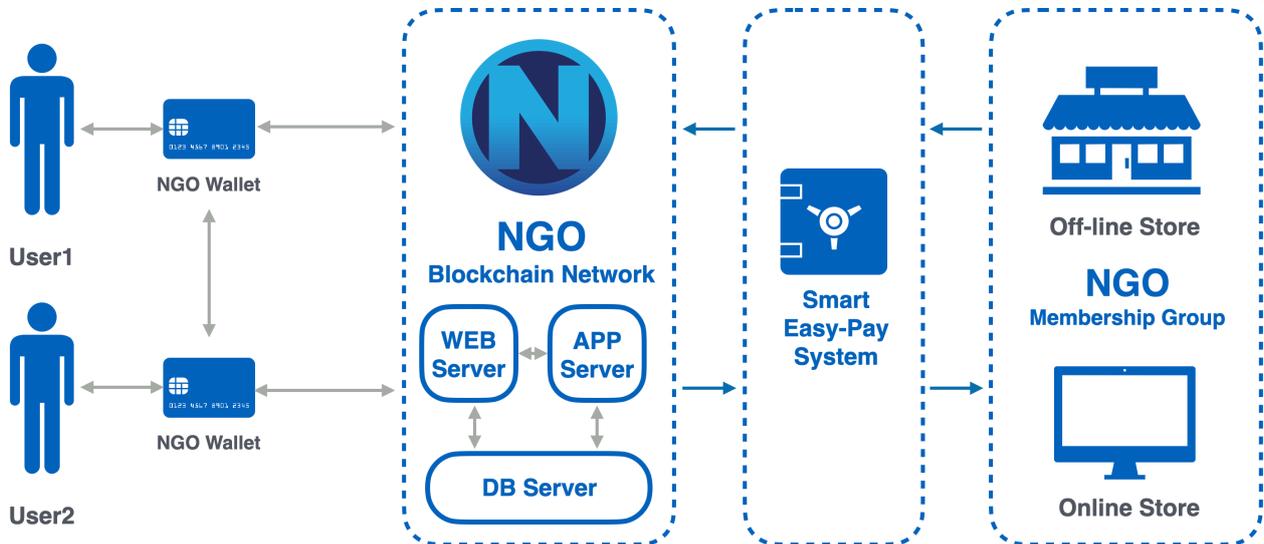
#### NGO SMART WALLET Features

Wallet function	Manage current coin deposits and withdrawals for NGO tokens, Bitcoin, Ethereum, etc. (We are planning to allow users to cash in directly from NGO Smart Wallet in the future without going through global and local exchanges.)
Mortgage reservation loan	Service that allows users to lend NGO Td ("en loan service) as much as they need Service that pre-lends the desired amount and pays back on the booking date, even if you do not purchase NGO currency. Fees (0.5%) on loan repayments.
Recommended portfolio	Space where digital asset advisors can access recommended information from specialists so that users can organize optimized portfolios based on various information from the industry.
Digital asset investment consultation	Space for digital asset advisors to access investment views and market information through industry experts and receive in-depth investment consultations.
Global token recommendation	Service that can reduce the gap between the global coin market and the local coin market, provide diverse information analysis data on new coins, and identify trends in the global market.
Investment strategy analysis	Analyze user's digital investment patterns to recommend an optimal portfolio. Provide basic investment information and my investment pattern information.
Trend analysis	Community news service providing various news related to the digital currency market.
My fund management	Service that allows users to check their assets at a glance and smartly organize them.
My coupon management	Custom coupon service that issues and manages customized coupons.

- The NGO Smart Wallet features introduced in this White Paper are subject to change without prior notice to improve service.

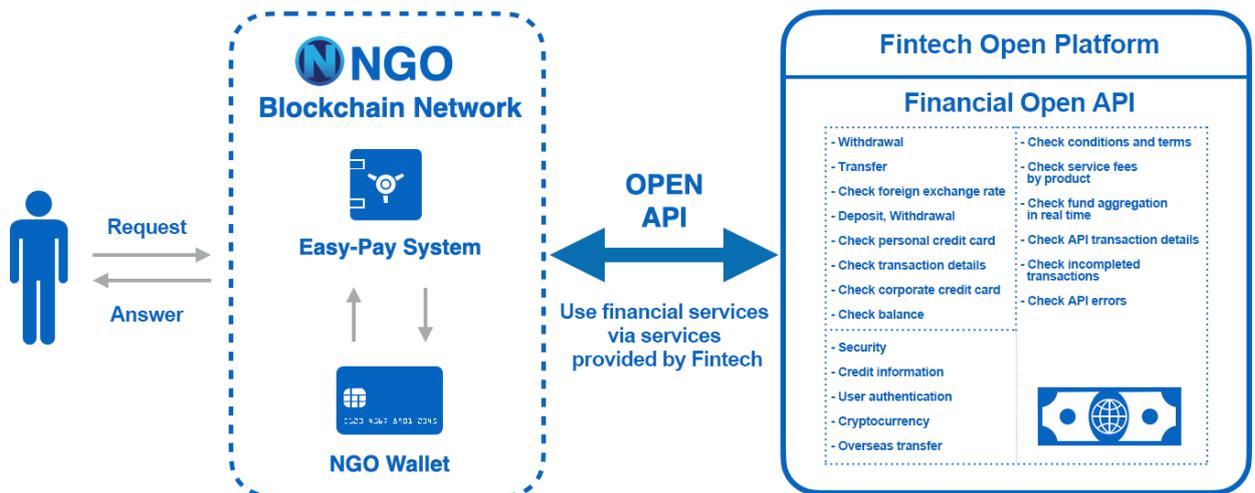
## 5-2.NGO Blockchain Network

NGO SMART WALLET Service Type Diagram



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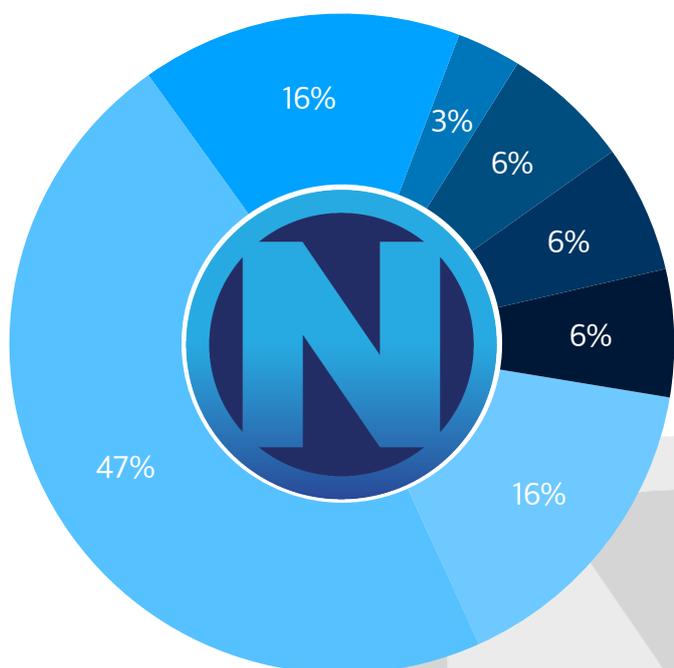
NGO Fintech Open Platform Structure



• This is a projection chart for the NGO Fintech Open Platform. The details are subject to change without prior notice depending on the service improvement and OPEN API delivery format.

## 6. NGO Token

### 6-1.Token Information



Marketing, R&D, and advisor lockup volumes will be used for community groups, company operations, technology development, business development, marketing, sales, and strategic partners.

- 16% corporate or institutional investment lockup.
- 15% token sales according to sales plan (distribution volume).
- 6% marketing utilization lockup.
- 16% development team and advisor lockup.
- 47% Lockup held by NGO company.

● Lock Up    ● Investor    ● Sale  
● ICO    ● Marketing    ● Exchange market  
● R&D

### 6-2.Token Allocation

Ticker	NGO (Next Generation Orb)
Token Type	Ethereum (ERC20)
Total Supply	3,200,000,000
Sale Token	1,200,000,000
Standard Price	1NGO = 0.25USD

## 7. NGO Team

CEO / Founder, Shin Guk Hyeon

While working in the eco-friendly energy business, he fell in love with the potential of digital currency when he first encountered it in 2014. Since 2020, he has established eco-friendly and human-friendly digital currency NGO Project to strive for a better future for people.

CTO / Software engineer, Kevin Eom

He entered the world of computers after meeting Apple Macintosh Quadra. As an early member of the dot-com industry in the IT sector, he has experienced a wide range of fields and technologies, ranging from working in start-ups to large companies, computer programming development to new business planning over the past two decades. Currently, he is trying to create services that are beneficial to people through NGO Project.

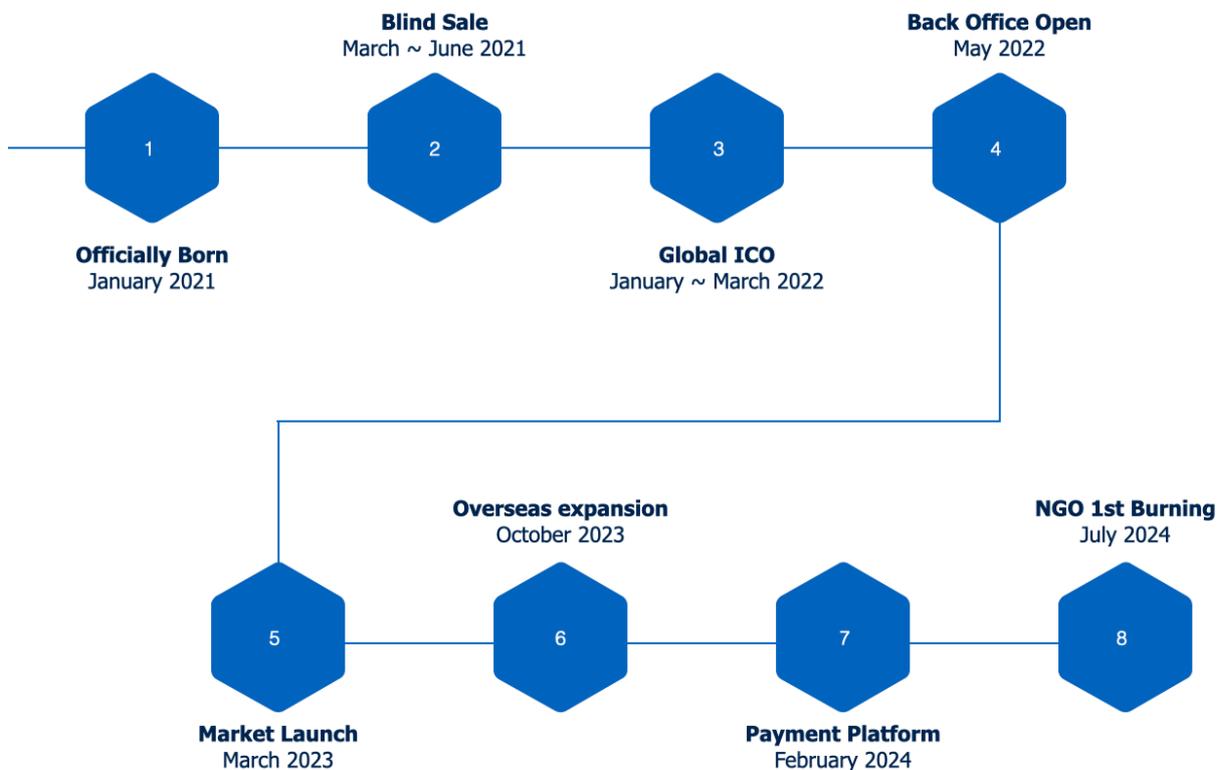
Advisor, Luke Do

As a traditional mechanical engineer, he was fascinated by the vision and development of bitcoin and digital currency while working for a large IT company, and has been participating in the eco-friendly and human-friendly NGO Project since 2020.

Marketer, Steven Lee

While working for a large manufacturing company as a traditional electrical/electronic engineer, he was fascinated by the vision and potential of digital currency while studying bitcoin in 2016, and has been participating in eco-friendly and human-friendly NGO Project since 2020.

## 8. Road Map



• Our schedule is subject to change according to the local development schedule.

## 9. NGO Foundation

### 9-1. Overview of NGO Foundation

The NGO Foundation (hereinafter referred to as the "Foundation") focuses on the construction and spread of the overall NGO ecological environment and is subject to local laws and regulations in Singapore where the NGO Foundation was established.

The Foundation is also operated by authorized community members, and cooperates with related partners to build the Dapp ecosystem. (Related partners include service providers, market operators, enterprises, and client users.) The Foundation is a non-profit organization and manages the normal operation of the entire system. The community is the highest authority and is managed using its own voting system.

### 9-2. Purpose of NGO Foundation

The fundamental principles of the NGO Foundation are open sharing and the development of a sustainable digital currency market.

- (1) Transparent, public, and fair discharge of authorities given by the community.
- (2) The Foundation is a non-profit organization, and aims to promote market activities such as ecological construction and commercial distribution, and to promote ecological participants jointly.
- (3) Manage and supervise the NGO ecosystem more healthily with community monitoring and strict foundation management.

## 10. Disclaimer

This document is intended only for business introduction and does not include any investment views, suggestions, or solicitations. It also does not contain request for sale or any form of securities provision. In addition, we would like to inform you that we do not have any form of agreement or acceptance.

All investors involved in NGO project investments are considered to understand and accept business risks, and assume that the investor is responsible for all future consequences. It is clear that NGOs are not liable for the reliability of the information provided in this White Paper, the resulting misleading and inaccurate information, and any loss they may cause.

We inform you that NGO is not responsible for any direct or indirect loss of participation in this project.

The disclaimer for this business includes the following.  
(In addition to the following, we would like to remind you that there are other risks.)

- (1) The contents of this White Paper may be amended or changed without prior notice.
- (2) Token values cannot be guaranteed to rise, and may fall in some circumstances.
- (3) Tokens are neither ownership nor control. This project shall not confer authority on any single individual or to any organization with relevant business and application plans.
- (4) Tokens can be risky in many formats, such as lost or stolen.
- (5) The value of the token may decrease due to a competitive platform, coin, or other alternative services.
- (6) The number of team members introduced in this White Paper is subject to change.
- (7) Due to depletion of funds, technical barriers, changes in market trends, and other factors affecting development and operations, development may be delayed or development goals may not be reached.
- (8) We do not guarantee the performance of the NGO platform, its stability or fast disaster recovery.
- (9) The normal operation of the service may be disrupted by hacking, natural disasters, and other force majeure, resulting in damage.
- (10) Unlike accounts of banks and other financial institutions, blockchain Internet lockers through NGO Market App accounts or subsequent NGO model extension service accounts do not have insurance to cover losses of any form.
- (11) There is currently a risk of related judicial clampdowns in the overall token market. Digital currencies (Bitcoin, Ethereum, Altcoin...) are already subject to supervision by all countries around the world, so if regulators intervene or apply pressure, the business itself and its currency may be affected.
- (12) NGO platforms and tokens are technologies that have not been fully tested and verified, and may have unpredictable risks other than those presented in this paper. If you are not familiar with the direction of development of this project and possible risks associated with virtual currency, we do not recommend you to participate in the token pre-sales. Digital currency has a greater risk and investors should be cautious about participating in the investment. Participants' crowdfunding digital assets will not be refunded if they participate in the token pre-sales. This project has the potential for business development as well as development failures due to legality, market demand, technicality or uncontrollable causes.

## 11.Official Website and Community



[www.ngorb.com](http://www.ngorb.com)



<https://t.me/NGObgroom>



<https://twitter.com/HalsMurdock>

