



GT Gold

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01

Summary



01. Summary

Understanding the historical role of gold helps to contextualize its importance. Gold has carried a meaningful significance as the most important asset with real value throughout history to this day. Dating back to the advent of ancient human civilization, it played a major role in commerce, and gold still exists as an important asset to us nowadays. As the technological capabilities for the production of commodities became more sophisticated, metals became useful for developing monetary systems. Gold, in particular, is durable, malleable, has an attractive color, does not corrode or rot, and above all is rare. As the technological capabilities for the production of commodities became more sophisticated, metals became useful for developing monetary systems.

However, compared to the value of gold, the actual secondary market has various problems such as not being able to trust the quality in the process of mining, processing, and selling gold, transparency in the transaction process, and dataless transactions, and double taxation. In addition, as gold is a real asset, it is not easy for anyone to trade easily because it is not freely transported and distributed around the world.

Due to gold's large spread between the bid and ask prices, the gold price needs to rise usually by at least 20% to be able to sell the gold without a loss. This is the reason gold depreciates by 1.5% due to labor costs, VAT, fees, and losses when melting gold. The market price of gold is determined by a complex calculation method that is influenced by the real-time international gold price and exchange rate. Therefore, in consideration of the international market price and supply and demand situation, companies set their own standards and use them, but it isn't consistent, and in most cases, profits are made through single-shot trading. It should be noted that there is a difference between the price of imported gold and the price of gold purchased for the general public. If individuals buy gold 20% cheaper than the international market price and then sell it abroad, they can earn a profit, but this can also lead to negative transactions and outflow of national wealth.

The GT GOLD project provides a platform for trading in the gold market through blockchain, artificial intelligence and cloud computing technologies. It also makes the distribution process stable, contributes to the nurturing of gold-related businesses, and allows individuals to trade gold easily. Through these innovative technology applications, we provide a functional and profitable business model, and the GT GOLD token holders can minimize the associated costs.

02

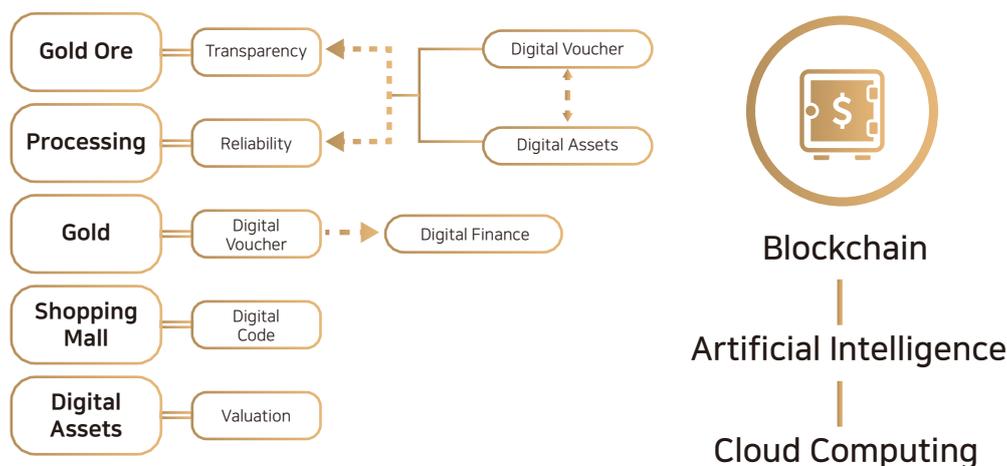
**Project
Introduction**



02. Project Introduction

02.1 Our Mission

Our goal is to provide a “transparent gold distribution ecosystem with digital financial services by combining innovative technologies such as gold vouchers and digital codes based on blockchain, artificial intelligence, and cloud computing” through this project. A new gold distribution ecosystem is needed to solve the problems of the existing gold distribution ecosystem. The GT GOLD project aims to create a GT GOLD Jewelry ecosystem that provides reliability and transparency by using innovative technologies such as blockchain, artificial intelligence and digital code. It transparently manages the stages from raw gold to processing, distribution, and sales with blockchain technology, and enables safe transactions after digitizing real assets based on the GT-Digital Asset Platform. Based on this process, it provides convenient and differentiated services to users, such as physical gold-based digital gold voucher issuance and transaction service, digital assets, and a convergence shopping mall that combines metaverse and artificial intelligence technology. In addition, GT GOLD Foundation issues GT GOLD tokens which are used by participants in the GT GOLD Jewelry ecosystem and operated for value sharing and win-win of the project.



02.2 Key Point

The key points of the GT GOLD project are as follows:

- **Transparency in Gold Distribution**

It uses blockchain technology to solve the problem of trust in quality that occurs in the process of importing, processing, and distributing gold ore. Information from the point of import to the process of processing and distribution is recorded on the blockchain, and when, where, and by which process the gold product was provided to consumers is transparently disclosed.

● Platform Integration of innovative technology

The GT GOLD platform applies state-of-the-art technologies and provides a blockchain-based digital financial platform for gold trading by combining artificial intelligence, blockchain, and cloud computing technologies.

- GT GOLD gold voucher trading platform applies blockchain technology to ensure transparent and convenient transactions.
- GT GOLD jewelry products can be by inserting a digital code and the user.
- The convergence shopping mall applies XR(VR+AR) technology, the core technology of metaverse, to provide an easy and enjoyable shopping experience for anyone, and uses artificial intelligence technology to analyze user patterns and recommend customized products.
- All services are built on a cloud to ensure availability and global scalability.

● Digital Assetization

It provides an environment for issuing and trading digital vouchers for physical gold using GT-Digital Asset Platform. Digital Vouchers are guaranteed based on blockchain, can be exchanged in kind, and furthermore provide digital asset-based financial services such as deposits.

● Differentiation of Service

- It provides a service for purchasing, trading, exchanging, and withdrawing a digitized voucher for real assets.
- It provides a convenient payment environment through which provides a variety .
- It provides an auction service that allows users to trade in P2P after appraising the amount of money they have.

03

**GT-Digital Aeest
Platform**



03. GT-Digital Asset Platform

03.1 GT-Digital Asset Platform?

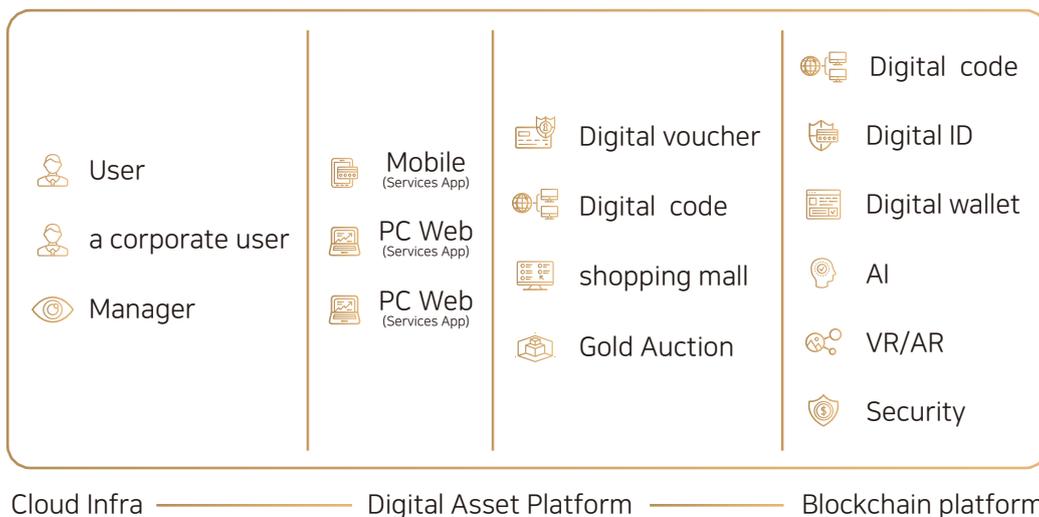
The GT-Digital Asset Platform offers efficient digital asset management, fast and secure transactions, and easy trading of digital products.

GTG FRAMEWORK



The GT-Digital Asset Platform is a service platform that supports seamlessly use of various assets and points in heterogeneous multimedia based on GT GOLD token (utility token).

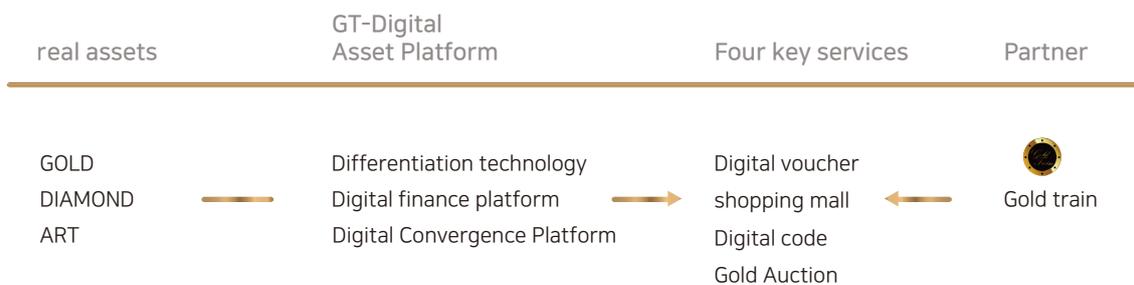
GT-Digital Asset Ecosystem



03.2 Digital Asset Ecosystem

GT-Digital Asset Platform builds an ecosystem of valuable digital assets through 4 differentiated services that don't exist in the current gold market.

Digital Asset Ecosystem



03.3 Why GT-Digital Asset Ecosystem?

GT-Digital Asset Platform provides main features as below:

- **Authorized cloud-based infrastructure**

- 1) Fast resilience and public use of resources
It is built based on elastic usability according to the business situation by allocating resources of the authorized cloud.
- 2) Aim for global business
It is built on cloud-based services to support services for global customers in minutes.

•Blockchain-based digital asset management

3) Digital asset issuance and management

GT-Digital Asset Ecosystem plans to support sequential issuance, exchange, and trading of assets in the digital asset ecosystem (Figure 5) according to the different types and uses of NFT, FT, Hybrid tokens.

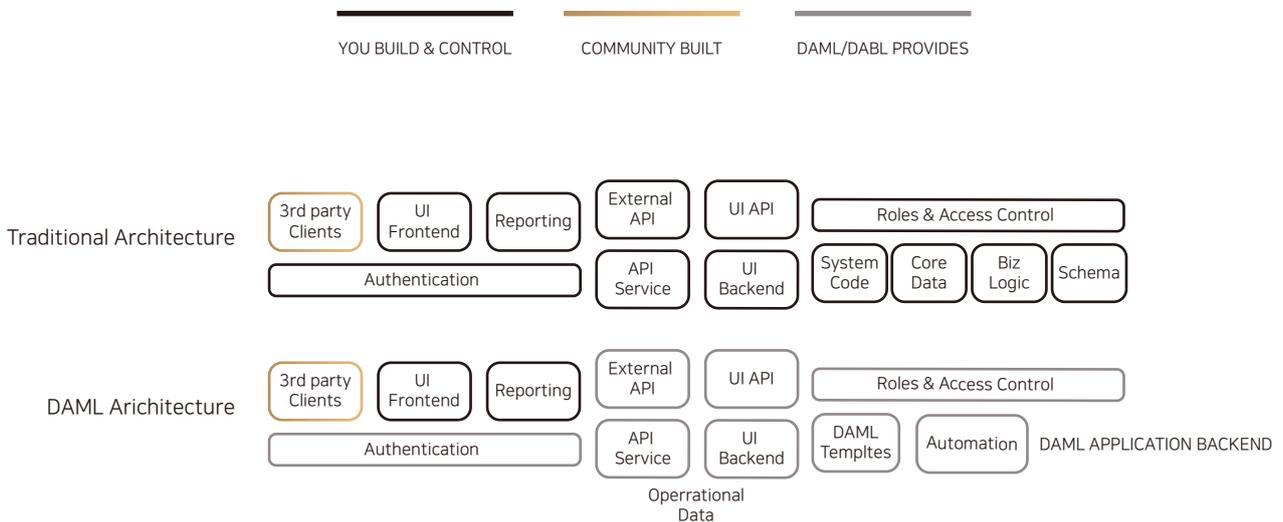
4) Compliance with domestic & foreign digital asset guidelines

Digital assets issued on GT-Digital Asset Ecosystem reduces digital conversion and compliance costs by complying with domestic and foreign financial supervisory agency regulatory and digital asset guidelines, enabling smart contract-based transactions.

5) DAML & contract modeling

GT-Digital Asset Ecosystem designs digital assets based on DAML(Digital Asset Modeling Language) and provides contract modeling MPA(Multiple Party Agreement).

DAML architecture



04

**Project Service
Model**

04. Project Service Model

04. 1 Digital Gold Voucher

Digital gold vouchers based on physical gold can be provided to allow users to make transactions, purchases, and exchanges between individuals and businesses.

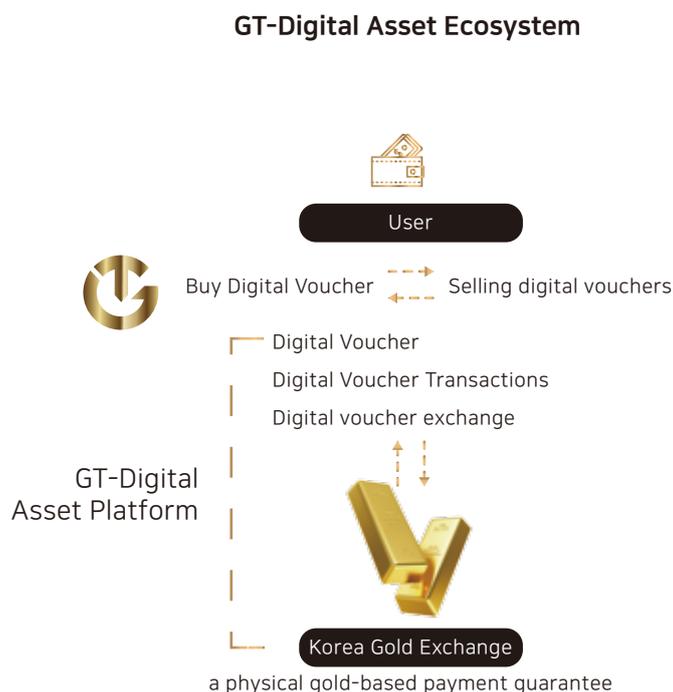
A. Purchase gold vouchers based on physical gold

Users can purchase and trade digital gold vouchers issued through GT-Digital Asset Ecosystem using cash, spot or GTGOLD tokens.

- When users bring physical gold to GTGOLD Gold Exchange, we will exchange for digital gold vouchers after depositing appraisal gold (purity and weight verification) after
- GTGOLD holders can purchase digital gold vouchers on the digital voucher platform

B. Digital gold voucher transaction process

- Transaction : Transactions of digital vouchers are divided into 1) individuals and individuals, 2) individuals and businesses, and 3) transactions between operators, and GT-Digital Asset Ecosystem supports all three types of transactions.
- Exchange : We also provide a service to exchange mileage owned by partner companies or their own mileage for digital vouchers.
- Withdrawal : Digital gold vouchers can be withdrawn in physical gold. Withdrawals are provided through the GTGOLD Jewelry Exchange



04.2 Digital Code

By applying digital codes to various objects and sounds, it provides authenticity certification and various digital contents.

- A. Issue, guarantee and print a trustworthy warranty
- B. Guarantee gold, diamond value and quality
- C. Guarantee of authenticity and provide appraisal
- D. Provide life contents

Digital Code Overview



Coding technologies such as dot and color pattern, latent image, digital pattern are applied to images.

Digital code application technology

Dot Pattern

Technology of implementing patterns of dots, which cannot be recognized by naked eyes, on objects by turning them into data

Color Pattern

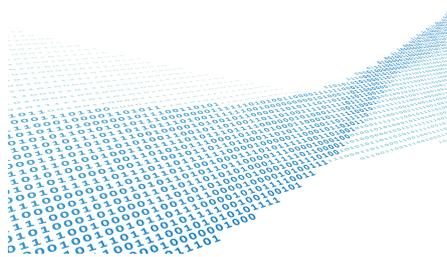
Technology of turning the difference in colors, which cannot be recognized by naked eyes, into patterns and implementing such patterns on objects after converting them into data

Latent image

Technology of printing out and verifying latent images through mobile by inserting invisible patterns and phrases into existing images

Digital image

Technology grafting patterns of dots, which cannot be recognized by naked eyes, on digital images by converting them into data



04.3 Shopping Mall

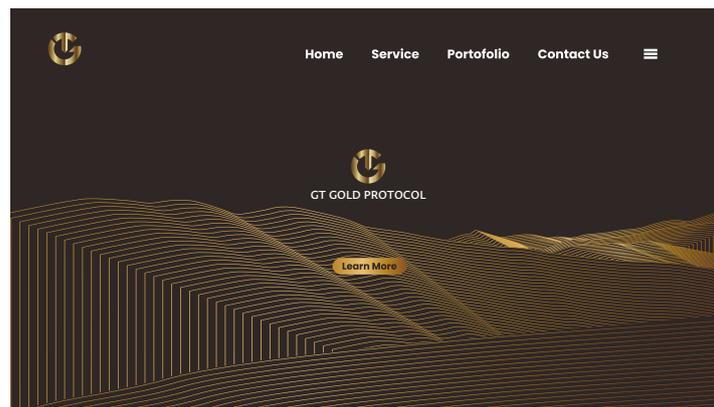
GT GOLD convergence shopping mall is a new type of social communication platform using new IT technologies such as artificial intelligence. There are also plans to expand by applying VR and XR technologies, which are core technologies of metaverse.

Convergence Shopping Mall

Reproduce Jongno Gold Street with VR technology
Customers visiting VR online store
Special fun experience that we can offer to our customers
Items other than jewelry in VR online stores

**METVERSE
Convergence
Shopping Mall**

Make a whole new street of our own by using IT technology
Target the MZ generation leading the new consumer markets
Offer special contents accommodation the consumer patters of MZ generation
Sell Every item that can be sold through VR



04.4 Gold Auction

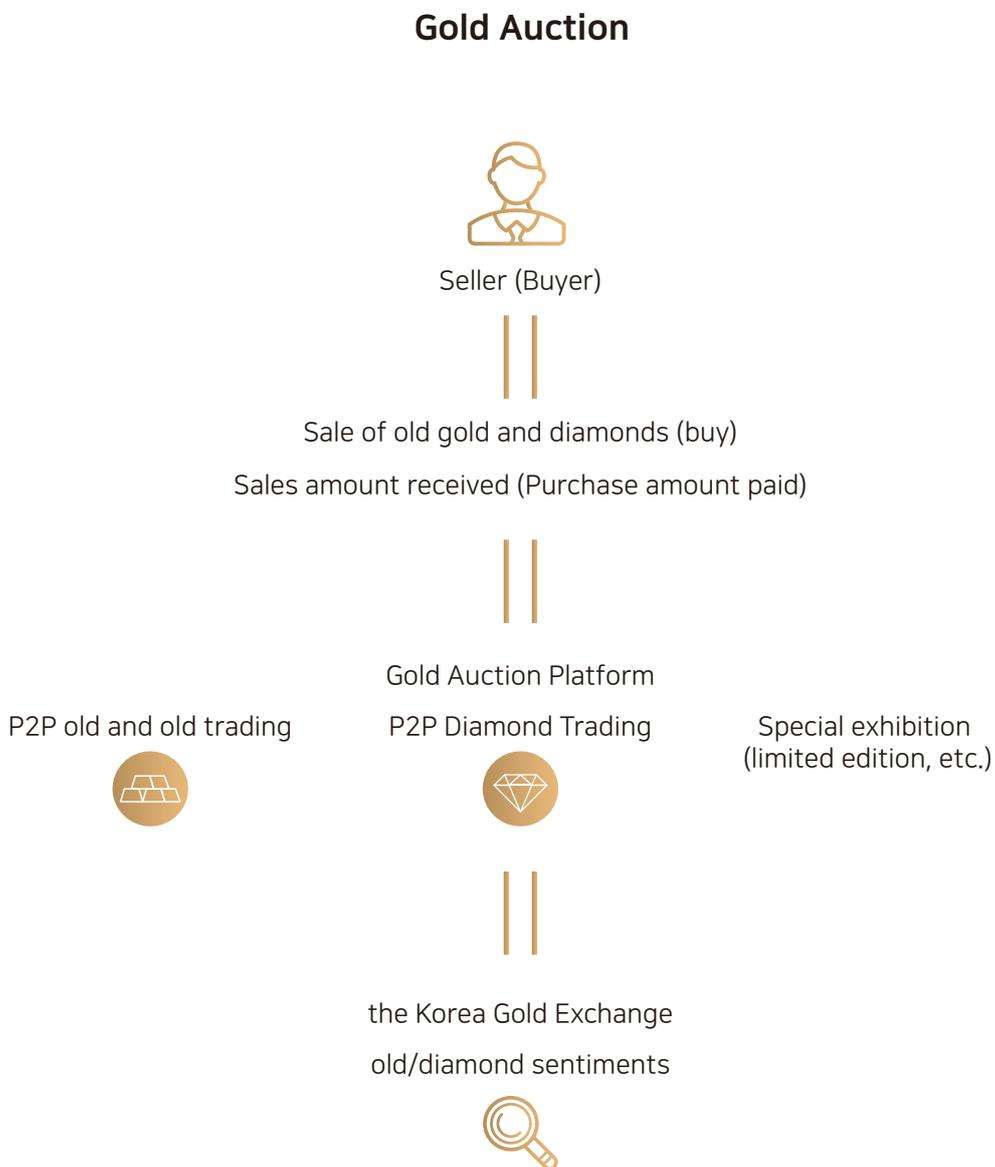
Gold Auction provides services after appraising the gold and diamonds owned by users and trading them in the form of an auction.

A. Gold and diamonds appraisal/auction

- If you request an appraisal of gold and diamonds, a blockchain-based digital appraisal will be issued after appraisal by a professional appraiser.
- If the auction is registered based on the assessed amount, the sale is made to the final successful bidder, and the amount is settled with GTGOLD token.

B. Special exhibition

- Limited edition products will be produced in collaboration with celebrities and famous authors, etc.
- Limited edition products will have a secure digital code applied to them to provide authenticity certification and customized contents.
- There are plans to expand gradually to support the production of NFT limited edition products through collaboration with artists.



05

GT Gold Token

05. GT GOLD Token

05.1 GT GOLD Token Use Case

- Membership : For membership registration when using GT GOLD tokens in convergence shopping mall
- Purchase and sell digital gold vouchers : Buy and sell digital vouchers with GT GOLD tokens
- Shopping mall purchase and reward : Purchase of jewelry and digital gold vouchers at the shopping mall
- Shopping mall fee : Fee for using the platform of merchants entering shopping malls

GT GOLD Token Revenue Model



06

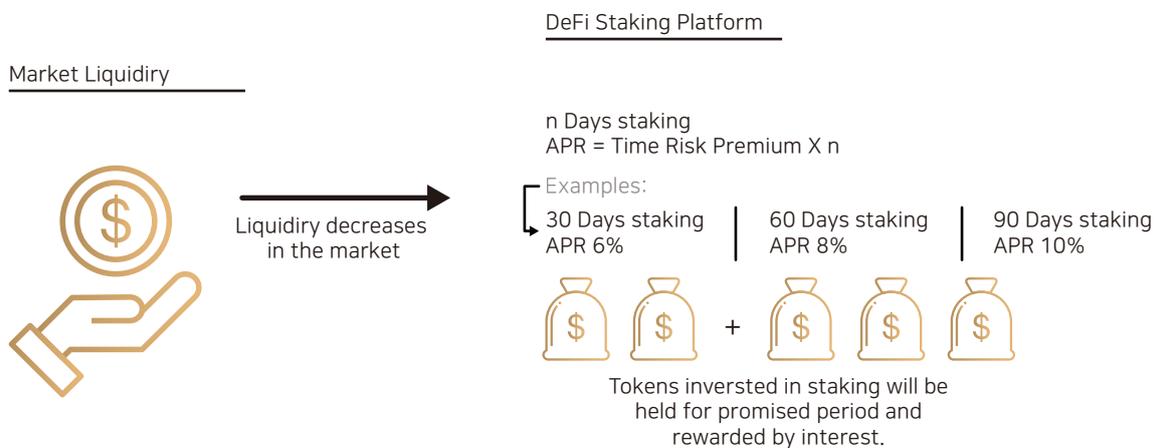
**GT Gold NFT
& DeFi**

06. GT GOLD NFT

It aims to create a virtuous cycle of an ecosystem that can create new values for digital assets through a blockchain-based decentralized NFT market where the digital value of physical assets can be freely evaluated, purchased, and exchanged. By creating a shared environment that enables direct exchange between digital value producers and consumers to prevent asset monopoly and provide convenience, anonymity, and extension to users. In addition, we develop NFT products that can appeal to users in connection with various contents such as culture, sports, and entertainment, and activate the distribution of GT GOLD tokens by expanding and reproducing them in the ecosystem.

06.1 GT GOLD DeFi Staking Service

GT GOLD project contributes to expanding the circulation of GT GOLD tokens by building various DeFi (Decentralized Finance) staking services. Our service can be built together and interoperable with GT GOLD platform ecosystem partners. In the future, we will support digital asset transactions and business services related to GT GOLD tokens, and use GT GOLD tokens for various purposes in the DeFi service platform.



The DeFi staking service provides investment opportunities for GT GOLD token holders to compensate for the time risk of staking and the effect of controlling market liquidity. Thus, long-term staking will be rewarded with a higher annual interest rate. Market liquidity will be permanently reduced by burning part of the token revenue generated from platform operation. The DeFi staking service is a decentralized platform where the investment activities of GT GOLD token holders are not subject to central authority interference. However, the platform is developed with a verified smart contract secured by the smart contract authentication of an accredited institution.

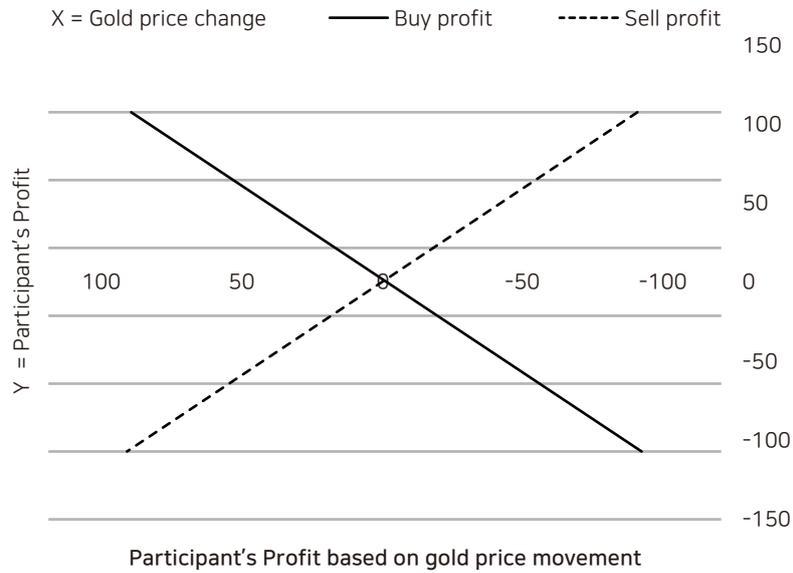
06.2 GT GOLD DeFi Gold Index

GTGOLD DeFi Gold Index is a DeFi service to provide GTGOLD token holders with a unique investment opportunity to invest in the physical gold price. Platform participants will provide liquidity in a P2P (peer-to-peer) way. It becomes possible to invest when each participant connects their wallet to the platform and transfers GTGOLD tokens from wallet to the platform.

Example :

	Participant1	GOLD PRICE	Participant2
Starting position	BUY = 100 GTG	\$ 25/g	SELL = 100 GTG
+1 Day closing price up	YIELD + 20% Profit = 20 GTG	\$ 30/g	YIELD - 20% Profit = -20 GTG
+1 Day closing price down	YIELD - 20% Profit = -20 GTG	\$ 20/g	YIELD + 20% Profit = 20 GTG

DeFi service of this platform predicts the gold price between participants and represents a zero-sum structure as an investment. As shown in the figure below, the yield curve of participants who took takeover and sell positions according to the price fluctuation of gold draws an X-shape, and profit and loss occur fairly without any interference.



When 10% of the platform usage fee is accumulated and the accumulated amount reaches 10,000 GTG, payment is made by drawing randomly from users seated on the platform on that day.

06.3 Further Expansion of DeFi

The GTGOLD project finds partners in diversity to build a DeFi ecosystem and collaborate for interoperability. We will expand the DeFi ecosystem by supporting decentralized financial services related to digital asset distributed transactions and GTGOLD tokens, developing and operating various types of DeFi services.

07

Roadmap

07. Roadmap

2022

- GTG token issuance
- Digital gold voucher release
- Digital trading function

2023

- Digital gold voucher purchasing function development
- Digital code launch
- Gold auction launch
- Crypto asset withdrawal function
- AI-based platform interworking
- Interworking with global digital gold trading platforms

2024~2025

- DeFi Staking (ETH)
- GTG APP
- GTG PFP
- GTG NFT
- Crypto wallet

08

**GT GOLD
Tokenomics**

08. GT GOLD Tokenomics

A. Introduction

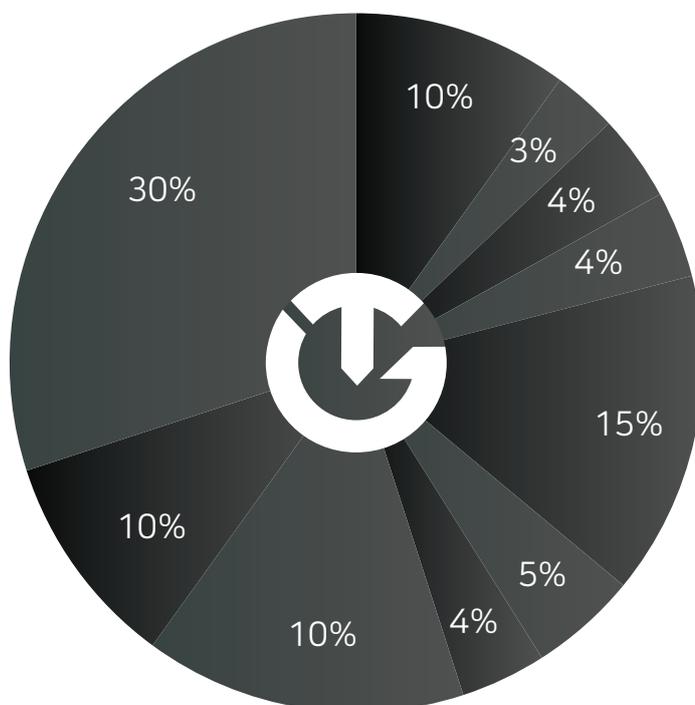
GT GOLD tokens can be used as a unit of currency to join a platform service membership, use services, purchase, and receive rewards. GT GOLD tokens also support the distribution of partner ecosystem.

- Token Name : GT GOLD TOKEN (GTG)
- Network : ERC-20
- Total issuance : 1,000,000,000 GTG
- Price : 1 GTG = US \$ 0.07

We operate the GTGOLD token transparently by dividing the existing Foundation volume into reserve and team foundation and reducing the partner volume. We also produce a new ecosystem supply to create and expand the ecosystem, and increase R&D to develop and operate new services.

B. Vesting Schedule

10%	Private Inverstor
3%	Martketing
4%	Foundation
4%	Partner
15%	Eco System
5%	Core Team
4%	Advisor
15%	R&D
10%	Reserves
30%	Staking Rewards



The vesting period is from 2 to 5 years, and the details are as follows:

Private Inverstor (10%)

Private investors are 10% of the total amount and are locked-up for 6 months after TGE. After that, 16.67% will be unlocked for 6 months at a rate of 10% every month.

Marketing (4%)

This is the amount used to build an active ecosystem of GT GOLD, and it is equivalent to 3% of the total issuance. It is used to induce community participation, marketing, events, IEO, and DEX initial liquidity provision. 2.5% of 3% will be unlocked immediately after TGE, and the rest will be unlocked at a rate of 2.5% per month for 39 months.

Foundations (4%)

As a reward for the GT GOLD Foundation, it is equivalent to 4% of the total issuance. After TGE, it is locked-up for 12 months and unlocked at a rate of 4% per month for 25 months.

Partner (4%)

The amount for partnership compensation is 4% of the total issuance. Immediately after TGE, 20% of the 4% will be unlocked, the remaining 80% will be locked up for 12 months, and then 4% will be unlocked for 20 months at a rate of 4% every month thereafter.

Ecosystem (15%)

Ecosystem is 15% of the total issuance and is locked up for 12 months. After that, the lockup will be released at a rate of 4% per month for 25 months.

R&D (15%)

R&D volume is 15% of the total issuance and is used for long-term growth of the entire ecosystem, such as R&D, community, and platform maintenance. 20% of 15% will be unlocked immediately after TGE, and the remaining 80% will be unlocked over 20 months at a rate of 4% every month after 12 months of TGE.

Core Team (5%)

As a reward for the GT GOLD Foundation, it is equivalent to 5% of the total issuance. After TGE, core team quantity will be locked up for 12 months, and then the lockup will be released at a rate of 4% per month for 25 months.

Staking Rewards (30%)

This is the amount for the reward of GT GOLD's single staking pool, which is equivalent to 30% of the total issuance. For single token staking users of GT GOLD, liquidity compensation is provided at a rate of 4% per month for 25 months.

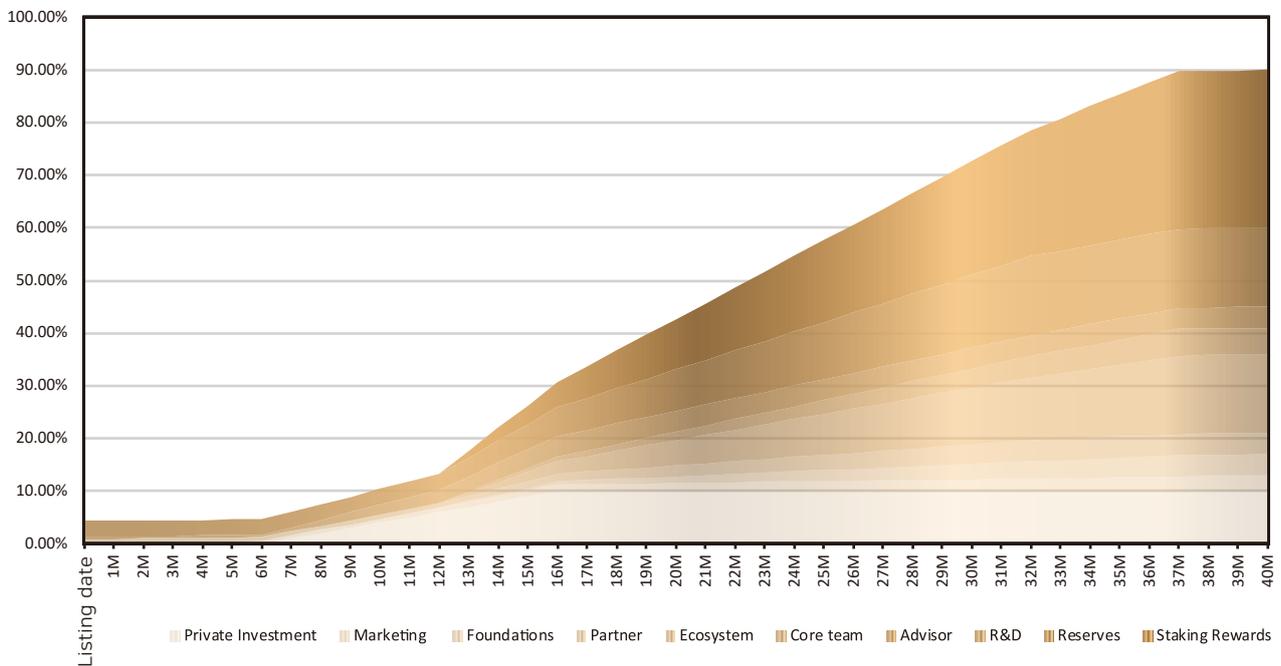
Reserves (10%)

The amount of Reserves is 10% of the total issuance and is used for the long-term growth of the entire ecosystem, such as GT GOLD's research and development, community, and platform maintenance.

Advisor (4%)

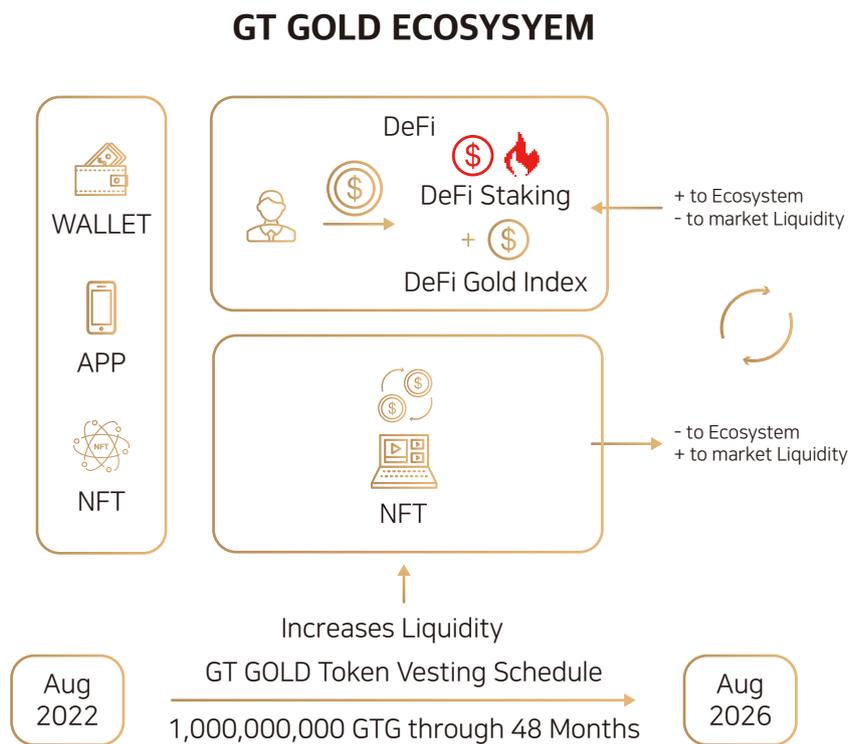
This amount is for the compensation of advisors who contributed to GT GOLD, and it is equivalent to 4% of the total issuance. 10% of the 4% will be unlocked immediately after TGE, and the remaining 90% will be unlocked sequentially for 10 months at 9% monthly after 6 months.

Distribution schedule (ratio)

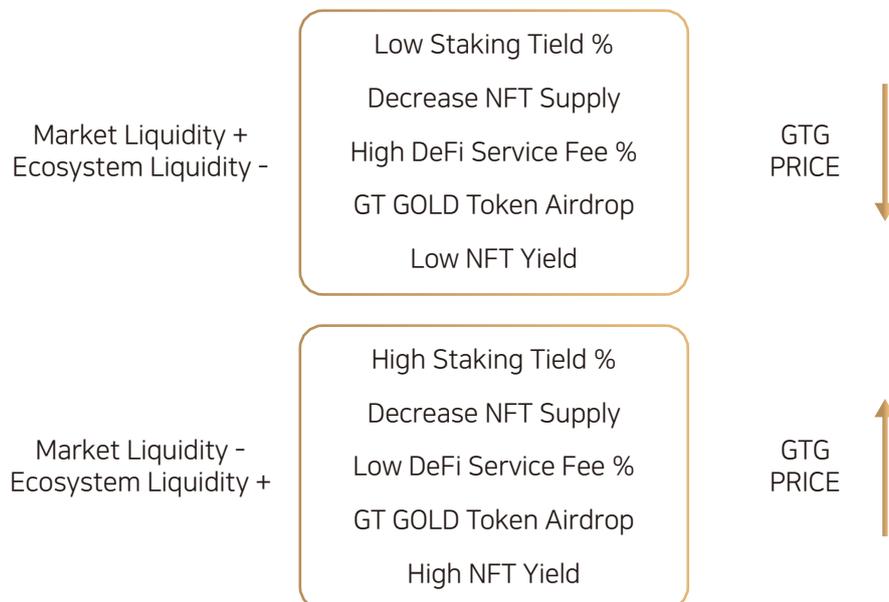


C. Tokenomice

GT GOLD ecosystem affects the GT GOLD tokenomics with major governance functions. Each platform of GT GOLD ecosystem operates its own economic mechanism, which affects market liquidity to be either increased or decreased. The vesting schedule shows how liquidity will be infused into the market, however, the ecosystem will govern the liquidity through activating cyclical mechanism.



There are major factors that affect the price of GT GOLD token in the market, such as staking yield, NFT supply, platform fee, burn and airdrop of the tokens. GT GOLD project team utilizes each factor to stabilize the market liquidity and price of GT GOLD token at necessary moment.



09

**GT GOLD
Ecosystem**

09. GT GOLD Ecosystem

The GT GOLD Foundation uses all investments to increase the value of GT GOLD tokens, but makes it a rule to ultimately return the values and profits to all of the token holders.

Investments by partners and investors participating in the GT GOLD platform ecosystem are used to vitalize the ecosystem by developing technologies of the GTGOLD project, operating assets, etc. Part of the profits from the GT GOLD tokens given to partners and investors are used for M&A or quota investment to expand the GT GOLD project and increase investment value.

A Vision for GT GOLD Platform Ecosystem

01. Token investment from related companies is used for technology development, operation and gold trading ecosystem

02. A significant portion of the profits from the business is returned to investors

03. Increasing token value through M&A and equity investment for GT GOLD project expansion

[GT GOLD Token Investment = Sharing value and co-prosperity]

10

Epilogue

10. Epilque

The GT GOLD team prepared this white paper for reference purposes only to provide people who are showing a lot of attention and affection to the GT GOLD tokens with detailed information on the services and teams that we are planning. This white paper is not intended to advise you to invest in the GT GOLD team or platform, and is absolutely irrelevant to it. In addition, the GT GOLD team provides this white paper for you after preparing it 'as of the time of preparation' so we do not guarantee that any content in this white paper is accurate even in the future. The GT GOLD team does not state and guarantee the accuracy of any matters regarding this white paper and does not assume legal responsibilities for it.

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