



DIGITAL GOLD EXCHANGE

## **The Standard of Gold Exchange:**

**- The Start of an Exchange Market for Cryptocurrencies and Tangible Assets**

### **WHITE PAPER**

Mobile App / Web Monetization Platform

Draft Ver.9.8

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## Legal Notice

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We inform all participants of the following.

Information presented in this document do not indicate contractual obligations.

The purpose of the **TMTG Project** is to provide a convenient and beneficial platform information to potential customers in the virtual currency market and existing customers who own TMTG coins. Information offered by DGE henceforward shall allow customers to conduct sound trades with TMTG in its early stages to advanced technical development stages.

This document is not designed to apply any administrative regulations or to protect customers from overinvestment. However, we will do our utmost effort to abide by regulations of each region and country. In regards to currently unregulated or controversial decisions, we shall put the participants' profits first. Information, calculations, and technical matters specified in this white paper are to be protected as advance information.

Also, information on plans and results that have been disclosed to public are subject to modification. Therefore, the results of the project are provided to participants, directly and indirectly, to minimize their risk, but the actual result may be different from the projected results described in the project plan.

The presales of TMTG coins is made possible through your voluntary participation. Please review the project plan as prepared by DGE, and examine the possible requirements, risks, and uncertainties.

In order to participate properly, you must agree to the Terms of Service Use. Agreement to the Terms of Service Use and Provision and Guarantee of Personal Information are required to participate in the presale. DGE does not take any responsibility for any incident resulting from failure to agree to such conditions.

This is the end of the legal notice from DGE Co., Ltd. the developer of TMTG Project.

## Abstract

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Thanks to decentralization and distributed ledgers, forgery and falsification of virtual currencies based on blockchain technology have been verified to be impossible. This offers an opportunity to numerous people to realize a new world and a new ecosystem of asset trading. However, two questions must be answered first.

**Q. Are there any ecosystems or a services at present moment that enable full utilization of virtual currency?**

**Q. If so, are such services abundantly available?**

Currently, a core issue for participants in cryptocurrencies is that there is a lack of practical uses or ecosystems that fully utilize virtual currency. Numerous blockchain projects now only focus on decentralizing technology, speed, and so on, rather than on constructing an ecosystem that actually creates significant values. This ultimately reveals the current limits that blockchain-based virtual currencies (cryptocurrencies) face.

TMTG Project aims to use blockchain technology to construct a satisfactory ecosystem that provides actual values now and in the future. We also aim to focus on constructing an ecosystem designed to exchange virtual currencies with fiat currencies and tangible goods, rather than only focusing on decentralizing technology.

We will continue our research on ways to eliminate as many uncertainties as possible by overcoming diverse technical limits to allow participants to enjoy the benefits of this ecosystem safely and easily.

We will now proceed with explanation on ecosystem being built by TMTG, as well as the visions, policies, and team members behind this project to realize of our goal.

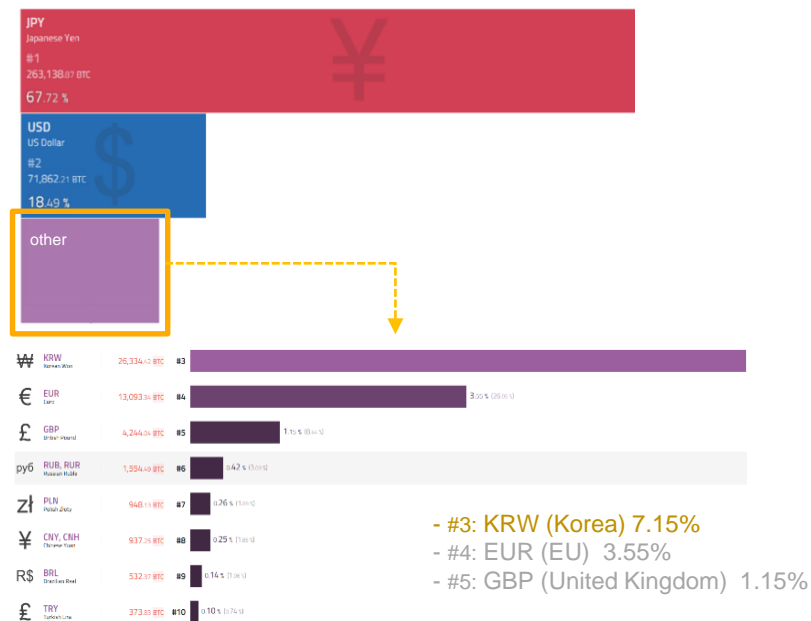
## Introduction: Our Vision

The emergence of blockchain technology with decentralized distributed ledger has led to the introduction of virtual currencies with various purposes, along with platforms called 'virtual currency exchanges', where such virtual currencies are purchased and traded.

Many are looking forward to a world built upon blockchain-based virtual currencies, and they are investing real money to purchase these virtual currencies through virtual currency exchanges.

Although there is no doubt that blockchain will open up a new world, there is still a lack of virtual currency that can offer real and tangible value.

### Exchange volume of Bitcoin in 2018 in each fiat currency



[F.1] The exchange volume of Bitcoin in 2018 in each fiat currency / Source: Coinhills

In essence, virtual currencies must be able to provide useful values to their participants. **TMTG Project aims for a hyperconnected society and to construct an ecosystem that achieves effective values of real things through decentralized block chain.**

As the first step, TMTG Project will establish an ecosystem on which virtual currencies can be directly traded with actual goods. This is **the vision of the TMTG Project.**

# Introduction: TMTG Project

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## Background

Recently, around 3,000 kinds of virtual currency have been developed and launched, but only a very small number of developers have managed to develop their currency's use with proper plans.

Each virtual currency has its own purposes, but the use is actually unclear.

We have contemplated how virtual currency could bring value to the everyday lives of many people. As a result and **solution to our deliberation, we focused on gold, a precious metal used in everyday lives, with its value recognized worldwide as a monetary and property asset.**

This was **the beginning of the TMTG Project.**

Our aim is to establish a digital trade ecosystem that allows real tangible assets, such as gold, to be easily traded with virtual currency in a digital environment. This ecosystem will be constructed with a blockchain network.

## Prospect of the Survival of Cryptocurrencies in the Future

**Coins Launched Worldwide:** Approx. 3,000 types of coins

**Chance of Coin Survival:** 5%

**→ Only about 150 types of coins will remain in the market**

[F.2] A prospect of cryptocurrencies in the future presented by experts



## Introduction: TMTG Project

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The core of TMTG Project is composed of three main elements.

### **A. TMTG Tokens**

### **B. MDG Tokens**

### **C. Digital Gold Exchange**

#### **A. TMTG Token**

The virtual currency TMTG stands for "The Midas Touch Gold" and its concept is based on the character of Midas from Greek Mythology.

TMTG coins will serve as the medium for maintaining and activating the DGE (Digital Gold Exchange) ecosystem, which is to be constructed as a part of TMTG Project. This token is not pegged to any tangible asset including gold, but only works as a means to purchase other cryptocurrencies on the DGE platform.

TMTG tokens are utility tokens, not linked to any asset price, and are used only as a means of purchasing virtual currency on the DGE platform.

#### **B. MDG Token**

MDG is a token only tradable on the DGE platform, with 1 MDG pegged to 1g of gold. MDG token is representative of real gold, so the price of the token is determined by the price of gold at the time of purchase. MDG Tokens can be purchased on the DGE Platform with TMTG Tokens.

#### **C. DGE: Digital Gold Exchange**

DGE stands for "Digital Gold Exchange" and it is an online exchange where TMTG tokens can be used to purchase MDG Tokens (digital gold), which can be reimbursed to actual gold.

DGE can be accessed anywhere with online network to conduct trades or convert digital gold to real gold.

DGE plays a pivotal role in the ecosystem to be built as a part of TMTG Project. It will be designed to enable TMTG Tokens and other safe virtual currencies to be exchanged with real goods as well. To achieve this, we will need technical expertise, and we must establish fairness, transparency, and stability as our core values.

## Platform Structure

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**TMTG is NOT a security**



**TMTG**

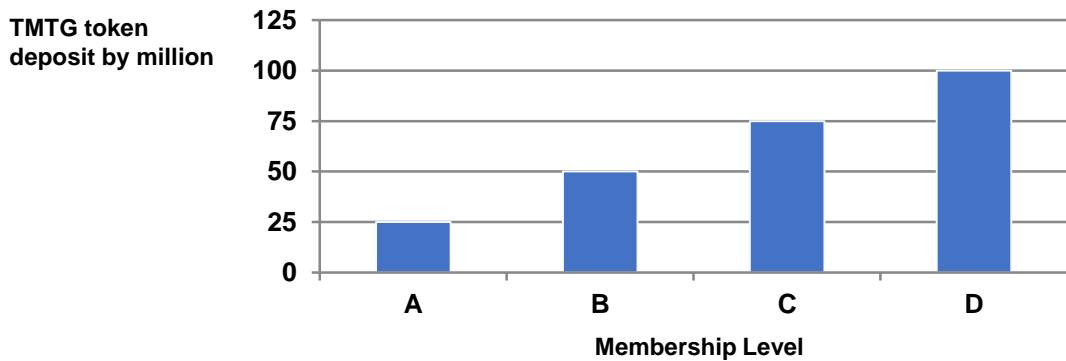
**MDG**

- TMTG is an utility token used for currency circulation on the DGE DEX platform.
- MDG is pegged to actual gold, storing the value of gold as a token.
- The DGE platform will start with gold, and eventually expand to handle other precious metals such as diamonds, white gold, and platinum.
- Any user with proper KYC verification can buy MDG using TMTG up to the amount specified by rules and regulations.



## Platform Structure

### DGE is a Platform with Club Membership Service



DGE has entered an exclusive partnership with Korea Gold Exchange 3M, an offline gold supplier to officially back the digital gold.

DGE Platform will be open to other suppliers of gold as well. For suppliers to join the DGE Platform and obtain membership, they must deposit a certain amount of TMTG Tokens in the DGE Vault (i.e. 10M TMTG). Membership levels shall be based on the deposit, and the services and benefits will vary accordingly.

Membership Level	Deposit	Service fee	Digital Asset
A	25M	4%	2
B	50M	3%	3
C	75M	2%	4
D	100M	1%	5

※ This figure is subject to change.

## Platform Structure

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### DGE is a platform for CC / FC exchange

To increase flexibility and heighten responsiveness, DGE implements CC (Crypto-Crypto) Exchange. The CC Exchange is built on the DEX platform for better security and transparency. While conventional FC Exchanges (Fiat-Crypto) are generally built with the traditional DB model, the DGE platform is based on DEX to construct its own FC Exchange.

### New Frontier - PC exchange

DGE takes a step ahead of the cryptocurrency competition by establishing the first PC (Product-Crypto) Exchange. While there are several factors and calculations that must be considered in these exchanges, the complex math will be handled by DGE behind the curtains, and the users only need to access the service to obtain their goods. Starting with gold, the DGE PC exchange will continue to expand.

# Platform Structure

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## About the Digital Gold Exchange Platform

The DGE Platform allows users to store and transfer their assets securely. Mutual trust and reliability of the trade without an intermediary is made possible through its simultaneity. The platform is designed to allow transfer of assets stored in a DB within the service to an external DB and blockchain, allowing transfer between users and mediums.

This expansion of functionality is made possible through **the Digital Gold Exchange which is a dispersive platform for data exchange** and creates conditions for fair trades in the gold trade market.

The DGE platform uses TMTG tokens as an intermediary currency to standardize users' asset values. Anyone can trade gold fairly and safely with TMTG.

## ❖ The Core Concept

### ▪ Dispersed Asset Values

: By establishing an independent global asset ecosystem that enables trading of actual gold with tokens, users are able to securely store and build their assets in a convenient trading environment.

### ▪ P2P Trade

: Elimination of intermediary intervention enables users to trade directly with one another quickly, safely, and at their desired values.

### ▪ Convenient Use All Over the World

: Although there will be a small fixed charge for transactions, you can safely exchange your currency into real gold on DGE platform from any part of the world, including Korea and other affiliated countries and regions.

## Platform Structure

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- **Transactions at Official Market Price**

: Gold and Token conversions and transactions can be made very quickly. Conversion rates are based on official market prices of gold exchanges all over the world as well as the virtual currency exchanges, not on statistical market prices. Trades are completed immediately with accurate values for both parties. Authentication is required once in order to make trades to real goods (gold).

- **Conversions / Trade with Other Value Entities**

: TMTG can also be transferred to and traded for mobile gift vouchers and gift cards affiliated with the token.

- **Smart Contract**

: The DGE platform supports smart contracts, enabling users to access various forms of transaction. A trade system with affiliated entities may be established or they may be used for authentication or confirmation processes offline.

- **Easy and Simple System**

: The DGE platform does not use a difficult, complex trade system. You can see your own assets being saved and calculated through intuitive, clear UI/UX design and can transfer and trade them in a way similar to common internet payment systems. Focus was put on improving access and usability for people in various age groups.

- **Ubiquitous Service**

: You can access DGE anywhere that has internet or Wi-Fi access and join the system regardless of the user's terminal model.

## Platform Structure: TMTG Token

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### A. TMTG Token Specifications

Users can purchase TMTG tokens from virtual currency exchange. The purchased TMTG tokens can then be used on the DGE Platform to purchase actual gold bars or digital gold, or to trade with other users. The tokens can also be transferred to another user's wallet.

#### Issuance term

<b>Total issuance</b>	10,000,000,000
<b>ICO issuance</b>	2,000,000,000
<b>The number of tokens sold</b>	2,000,000,000
<b>Hard cap</b>	ETH 40,000
<b>Soft cap</b>	ETH 10,000
<b>Project protocol</b>	ERC 20
<b>Currency Accepted</b>	ETH

[F.3] TMTG itemized account

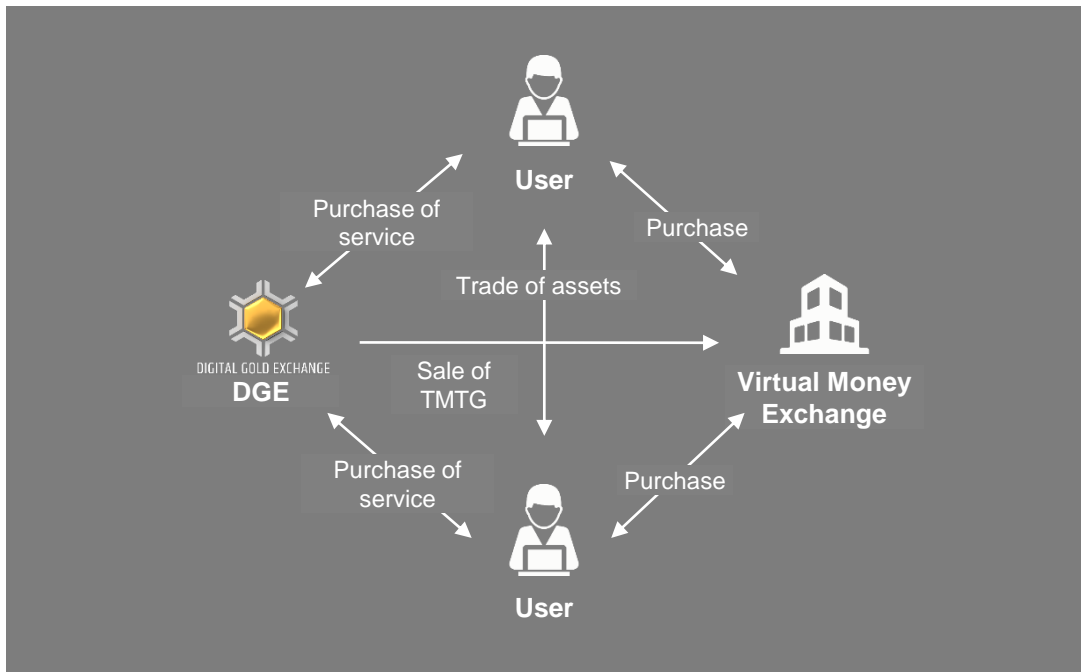
TMTG tokens are the medium for maintaining and activating the ecosystem constructed by DGE. The tokens can also be regarded as the power source for all systems connected to DGE.

## Platform Structure: Structure of DGE platform

### B. Structure of the Circulation of DGE Platform

TMTG tokens are an absolute necessity for the smooth use of the platform.

We can restrict or control the amount of tokens being issued by adjusting the block time.



[F.4] Structure of the circulation of DGE platform

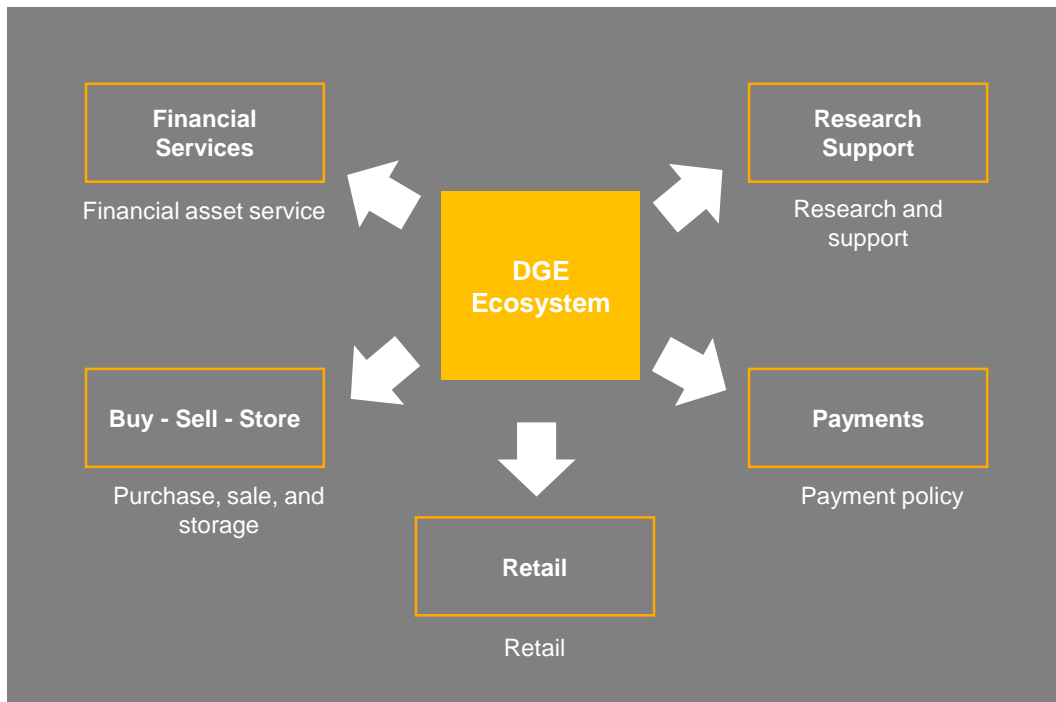
Users of TMTG can conduct safe transactions according to their needs, roles, and functions. Whenever a transaction is completed, the company collects a certain amount of cash or TMTG as service fee in accordance with its policies and regulations.

# DGE Ecosystem

## Construction of DGE Ecosystem

DGE is a blockchain-based dispersive ecosystem on which various individuals and companies can freely participate regardless of nationality.

We aim to provide equal information, access, and trade opportunities to all customers in our market. We will also allow customers to control and manage their own information.



[F.5] DGE Ecosystem

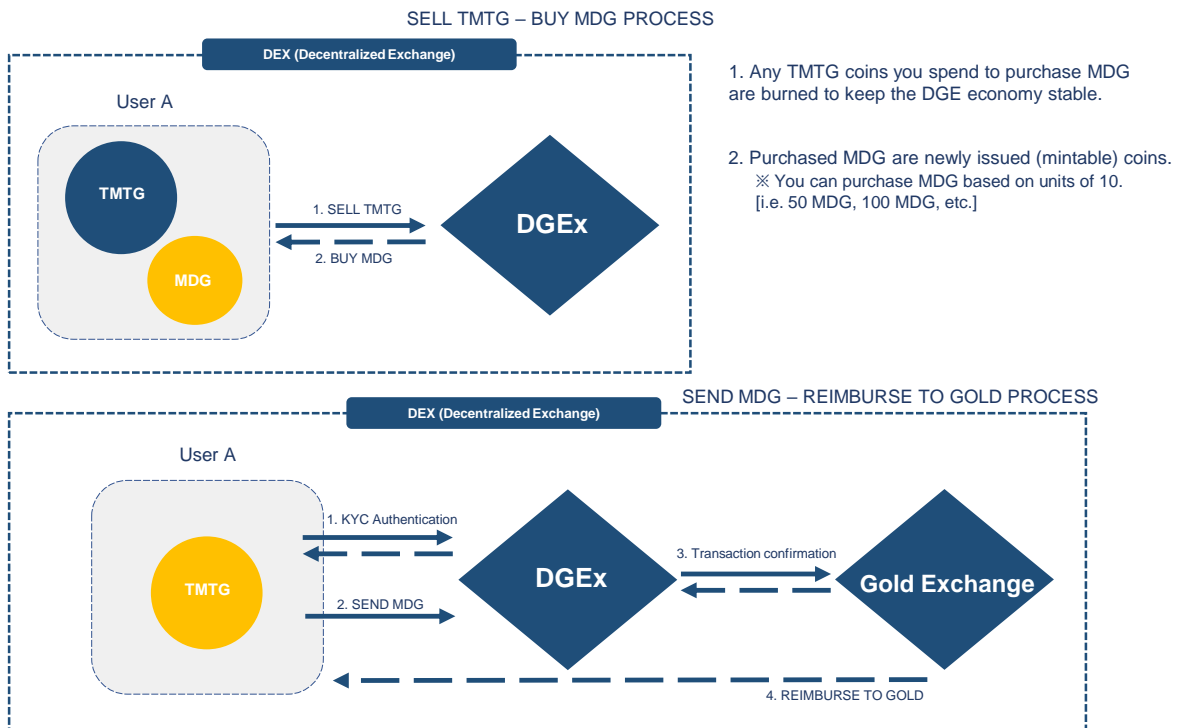
# Technology Stack

## DEX (Decentralized Exchange)

DGE Platform utilizes DEX (Decentralized Exchange), making a third party authentication unnecessary. This allows more secure and faster virtual currency transactions.

1<sup>st</sup> Step: Sell TMTG to buy MDG

2<sup>nd</sup> Step: Send MDG to DGEEx to reimburse to actual gold.



[F.6] DEX

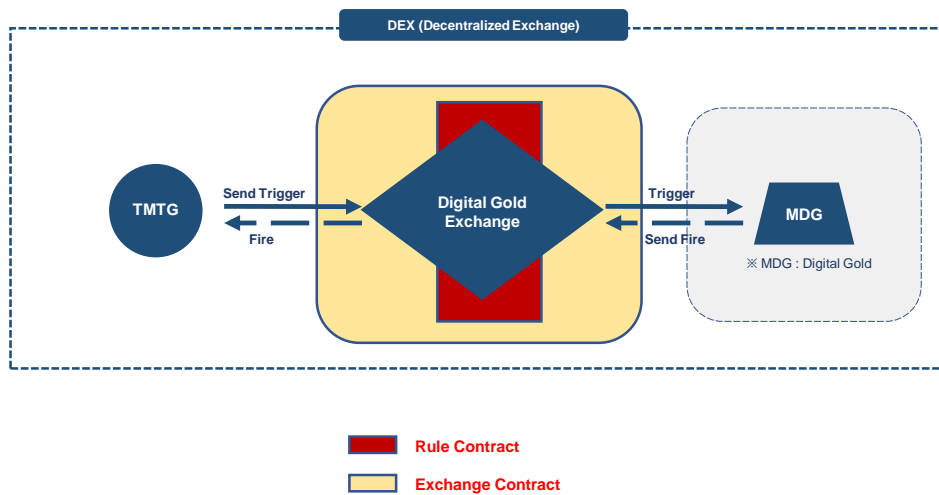


# Technology Stack

## Smart Contract

The smart contract structure of the Digital Gold Exchange is:

- **Token Info : TMTG Token (ERC 20) and MDG Token (ERC827)**
- **TMTG Rule CONTRACT – EMO, EMS, Circuit Breaker, Blacklist / Whitelist**



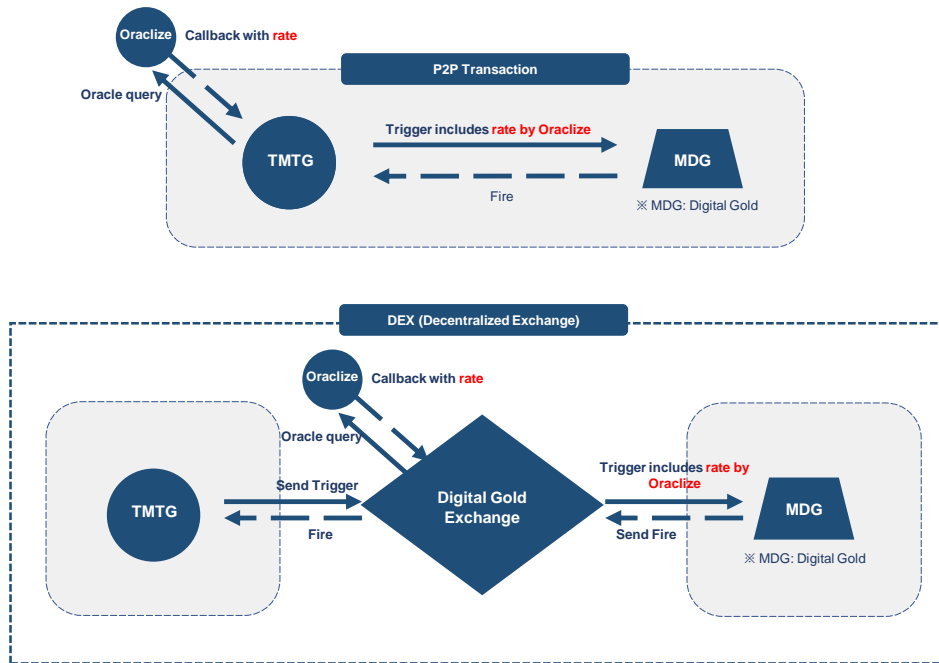
[F.7] DEX Smart Contract

# Technology Stack

## External Reference – Oracle (Oraclize)

As blockchain is a closed system, data movement within the system is safe and free. However, when referencing external data, it becomes a single point of failure (SPF) and causes a fatal dependency.

In the case of digital gold exchanges, exchange rate information can only be acquired from external parties. In such cases, the integrity of the trustless system is guaranteed through Oracle queries.



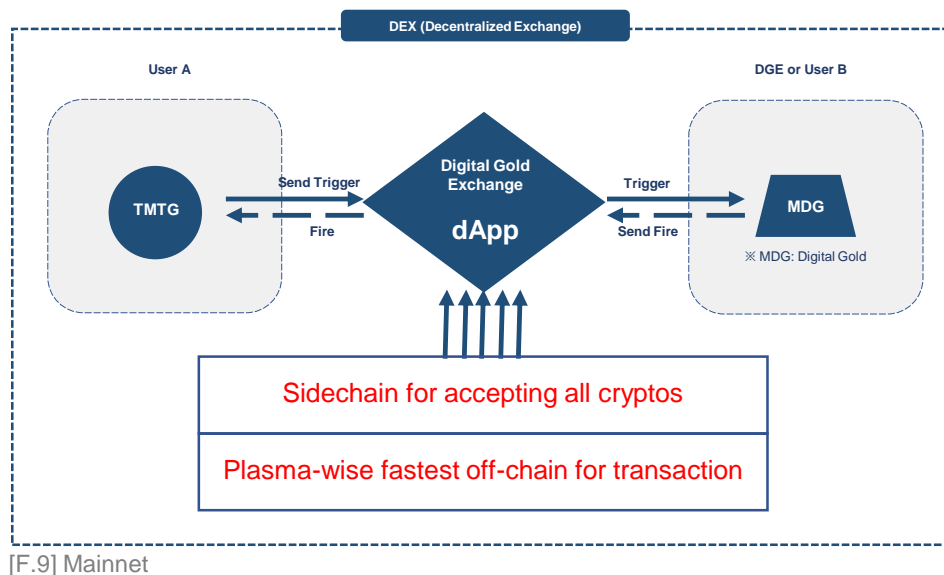
[F.8] DEX Oraclize

# Technology Stack

## Mainnet

Ethereum, also called Blockchain 2.0, is a smart contract with Turing Integrity added to bitcoin stack languages. This upgrade has expanded the world of blockchain usability exponentially. Currently, Ethereum has unrivaled market penetration and usability, with its only flaws being the PoW's waste of computing resources and scalability (a low TPS of about 20) issues. In order to solve these two problems, Ethereum is studying various active solutions such as PoS, sharding, and plasma off-chain. To this end, DGE is doing its best to reduce time to market (TTM) and providing value to users by riding on the shoulder of the giant named Ethereum.

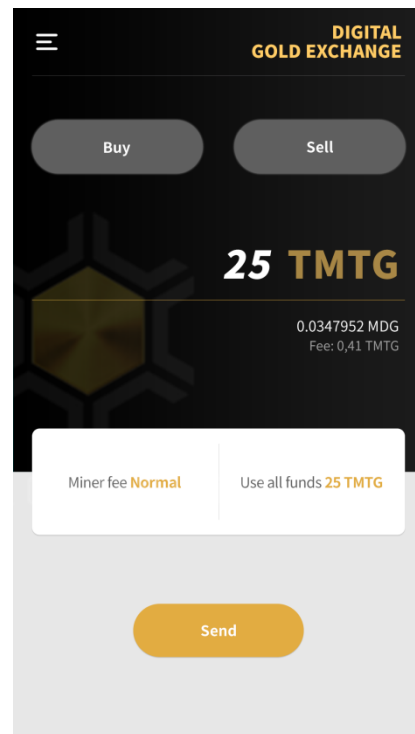
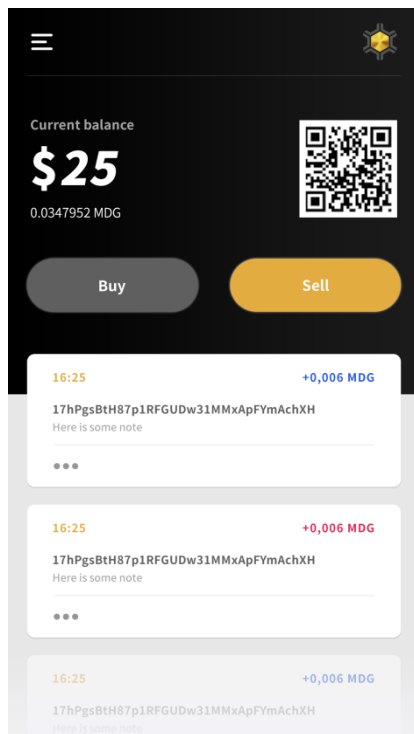
However, once dApp and smart contracts have been developed and stabilized on the Ethereum mainnet, beta testing for mainnet will take place for DGE which implements DGE's self-developed sidechain and distributed weighted voting capability. We will evaluate various possibilities to reduce reliance on Ethereum by examining the outcome of the results to realize transactions with high TPS value.



# Technology Stack

## PoO (Proof of Ownership)

For a holder of digital gold tokens to exchange them to actual gold at an offline gold exchange, the holder must prove that he is the sole owner of the digital gold. DGE now allows you to implement a modified mnemonic signature in your app to facilitate proof of ownership on your smartphone.



[F.10] PoO for Digital Gold

# Value Realization

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## A. Realization of Practicality of Virtual Money

The TMTG Project will develop an ecosystem that allows trade between virtual currency and actual goods. In this system, all participants will be given the opportunity to make reliable and practical transactions.

Here is how the system works:

- ✓ **Working with reliable companies**
- ✓ **Real-time sharing of information of trade / market price all over the world**
- ✓ **Realization of global transactions by constructing a hyper-connected platform**
- ✓ **Assurance of fairness and transparency of all transactions and contracts**

## B. Values of TMTG tokens as an investment

Establishing a globally hyperconnected level of trade volume drastically reduces purchasing cost compared to that of conventional market. Furthermore, DGE has finalized an affiliation agreement to provide gold at wholesale price, instead of retail price.

Compared to offline transactions, digital transactions save time and effort. For these reasons, TMTG creates an investment opportunity, with its potential to gain its prowess in the virtual currency market as its value is expected to increase continuously.

## Utility and Expandability

### A. Primary Partnership Agreement Finalized

The TMTG Project has entered partnership agreements with established companies to begin its implementation of a versatile and reliable ecosystem.

#### I . Korea Gold Exchange Co., Ltd.



- ✓ DGE has signed an exclusive gold supply agreement with Korea Gold Exchange 3M on February 15, 2018.
- ✓ Korea Gold Exchange 3M has No.1 share in Korean gold trade market.
- ✓ Daily average trade volume of 600kg (150t ~ 160t annually, around 2 trillion KRW)
- ✓ EMS Delivery service available upon online request.

## Utility and Expandability

### II. Happy Money Co., Ltd.



- ✓ DGE has entered into agreement with Happy Money Co., Ltd, on March 14, 2018.
- ✓ TMTG can be exchanged to Happy Money gift certificates, which are accepted by over 500 brands in Korea.
- ✓ TMTG's convertibility with Happy Money Gift Certificates maximizes the token's usability in daily life (About 500 brands of book stores, restaurants, cinemas, games, online content, music records, coffee shops, etc. accept Happy Money as a form of payment.)

### B. Additional Expandability

TMTG Project already has acquired major participants, and the number will continue to increase. Anyone who share our vision are always welcome to participate as a partner. In addition, we will construct an environment where data can be exchanged and the standards of information exchange can be discussed. This will help us fulfill various purposes and needs so that all participants with benefit from the ecosystem.

## Utility and Expandability

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### C. Secondary Partnership Agreement Finalized

In addition to our primary partnerships, TMTG Project is already looking into the future, signing agreements with established companies to expand its scope of business.

#### III. S CARAT

Vaō



- ✓ DGE has signed diamond supply agreement with Vau Diamond.
- ✓ Supply of diamond will be introduced after the real gold transaction process has been stabilized. (scheduled for October 2018)



## Transparency (Reliability)

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### A. Internal Control

After TMTG coin is listed on exchanges, major stockholders and associated personnel are prohibited to make excessive sales to protect general investors' profit. This is made possible through a smart contract system that prevents sale of over 30% of the total coins for 1 year. (Safeguard on 70% of deposit)

### B. Mandatory Disclosure

#### I . Quarterly Disclosure of a Deposit-Reserve Ratio

When trading TMTG coins for gold, DGE first confirms that MDG coins are valid, then provides a code that allows the user to quickly receive gold through the Korean Gold Exchange. In order to facilitate the gold exchange, 10% of all distributed coins shall be secured and maintained as cash in the form of a reserve fund. The deposit-reserve ratio will be disclosed mandatorily on the DGE website through quarterly audits.

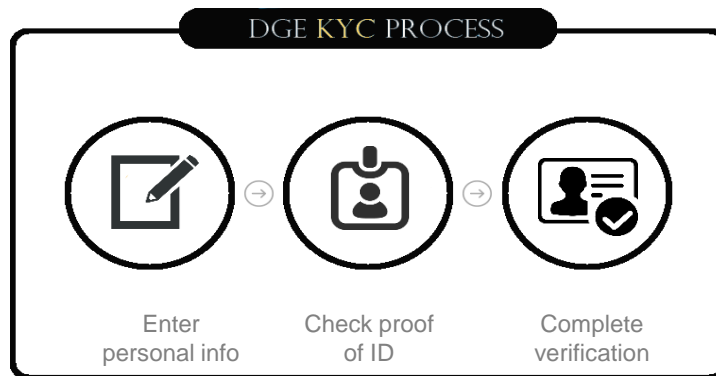
#### II. Disclosure of Audit Reports, Settlement Reports, and Annual Business Plan (By March 30 of Each Year)

## Transparency (Reliability)

### C. Compliance

#### I . KYC Authentication Procedure

We strictly adhere to the transparency of gold exchange and prevent money laundering through KYC authentication. Only individuals whose identity and residence are verified can trade digital and actual gold on the DGE gold exchange. Those who have been verified will be able to increase their trade volume by stages. The verified individuals can also buy and sell digital gold with one another through P2P trade.



[F.11] DGE KYC verification procedure

The following information may be requested to complete the procedure above.

1. First name and last name
2. Email address
3. ETH wallet address
4. The desired quantity of digital gold to purchase
5. A photo of your official identification issued by a government agency (i.e. passport, resident registration) and a photo of yourself holding the identification. Your face must be clearly recognizable in the photo.

### **II. Gray Flag: Verification Procedure for Exchange**

1. All TMTG coins owned by users whose identities have not been verified are marked with gray flag. Coins with gray flags can be freely traded, and are not subject to any disadvantages, but they cannot be used to purchase MDG or convert to actual gold on the DGE gold exchange.
2. For volume purchase of coins that exceed the reserve fund will be marked with gray flags. This does not mean that the coins are in any way restricted, but only indicates the flexibility of digital gold. DGE always maintains reserve funds at a fixed rate of the supply. In case of a sudden increase in demand, DGE restores the reserve immediately through block deals, OTC trades, and etc. Such restoring may cause delays in order to optimize Nash Equilibrium.

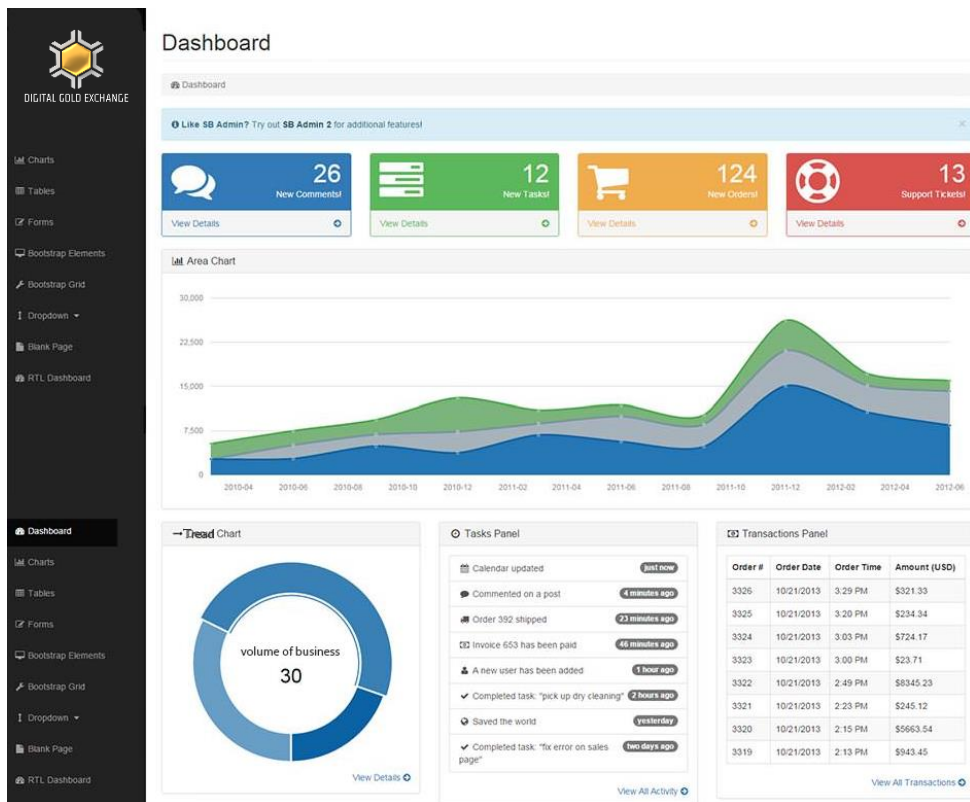
### **III. Red Flag: Monitoring of Illegal Transactions**

Red Flags are given to coins in accounts associated with hacking or theft through the monitoring of illegal transactions. In the event of hacking TMTG coins in the relevant accounts cannot be traded and the accounts will also be locked. Until the disputes are settled, TMTG coins and MDG tokens are prohibited from all trades, including P2P trade and conversion to actual gold. This process minimizes damage to good-willed users by preventing malicious ones from making unfair profits and also contributes to the value of the entire platform.

# Transparency (Reliability)

## IV. Monitoring the Flow of Coins for Risk Management

One of the advantages (or disadvantages) of blockchain is that every transaction is made public. Although anonymous, the transparency of transactions makes it easy to track the usage and hacking (theft or sociotechnological hacking). DGE implements a control tower that monitors the entire flow of coin transactions to offer insights on preventing malicious trades and provide statistical data on coin use. Disclosure of Information may be restricted.

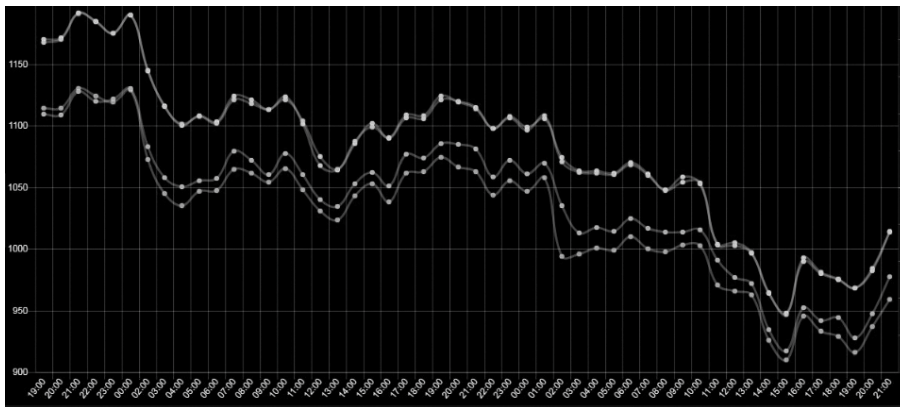


[F.12] DGE Tracking and surveillance screen

## V . DGE Circuit Breaker

The variability of virtual currency is as dynamic as the future of blockchain. Although DGE is prepared to absorb impact from the market caused by various factors, it may face unexpected heavy increases in trade volume due to the multiplier effect on demand as a result of its focus on safety and reliability.

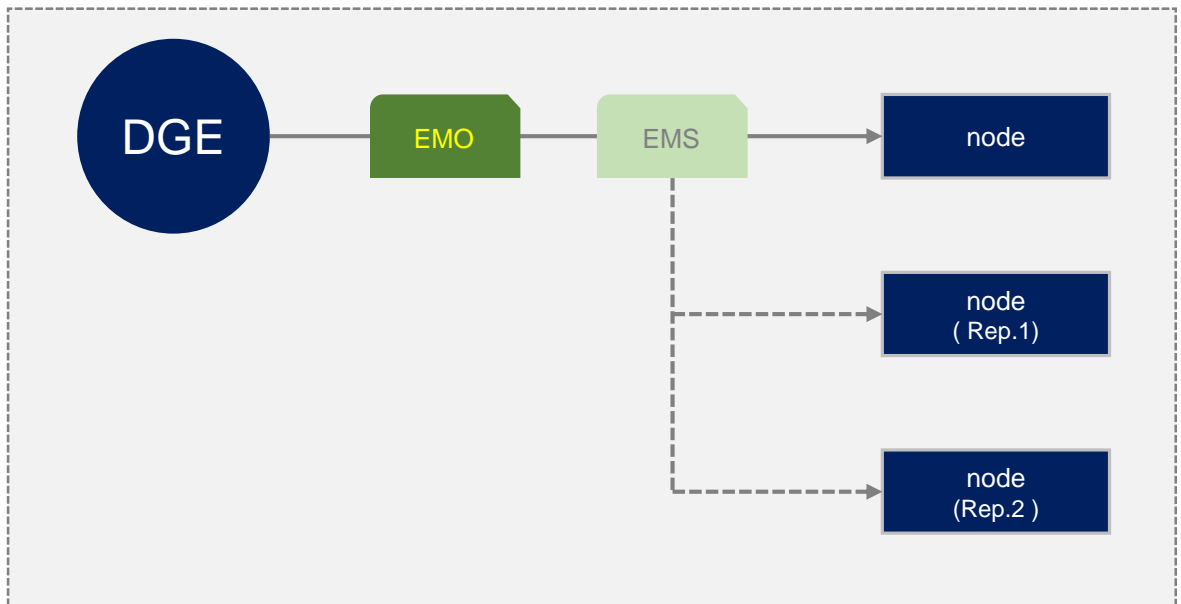
In such situations, DGE can trigger a circuit breaker as a safety device to protect the stability of the market and its coin owners. The conditions for triggering this circuit breaker are registered in a smart contract to prevent misuse.



[F.13] DGE Circuit Breaker monitoring screen

## VI. EMS & EMO

The flow of the market and transformation of technology always exceed the expectations of the initial designers. Accordingly, EMS (Emergency Stop) and EMO (Emergency Off) functions shall be implemented in a smart contract in order to be fully prepared for initial responses to emergency situations. Since these functions are operated manually, MultiSig is applied in order to prevent certain individuals from controlling it arbitrarily while also requiring approval by a lawyer or legal advisor for operation.



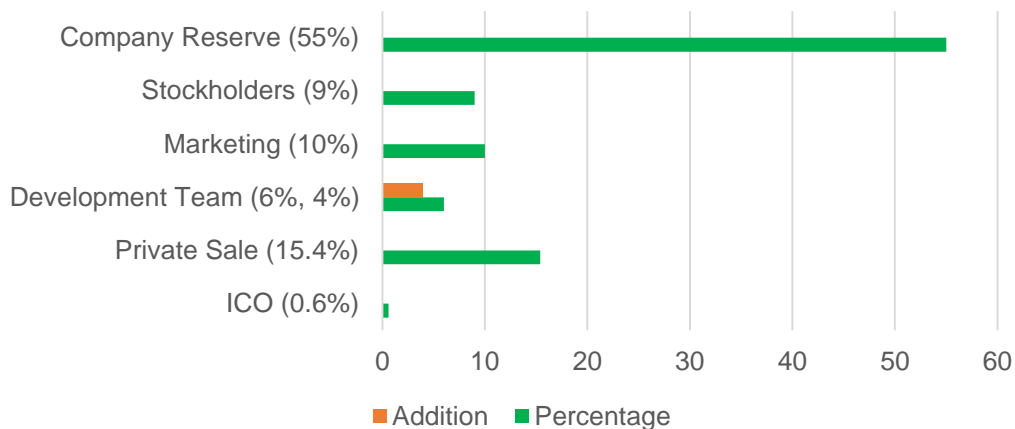
[F.14] DGE EMO / EMS image

# Issuance of Tokens

## Strategy for the Distribution of Tokens

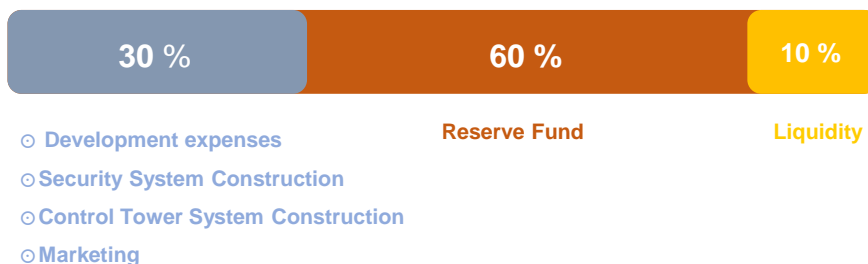
### I . Allotment of Tokens

Allotment of tokens will occur per the chart below.



[F.15] Breakdown on the allotment of TMTG tokens

### ● Plan for Fund Use



[F.16] Plan for the management of TMTG tokens

# Issuance of Tokens

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## II. Token Sale Schedule Breakdown

Our token sale has taken place in three stages, and each sale has been completed according to schedule.

Tokens Issued		10,000,000,000	
Stage	1st Presale	2nd Presale	3rd Presale
Date of sale	May 18, 2018	June 5, 2018	June 20, 2018
Means of participation	ETH / ADA	ETH / ADA	ETH / ADA
Participant	Investors	Strategic partners	Individuals verified by KYC
Locking period	–	–	-

[P.17] Presale may close earlier if target amounts are achieved

## III. Token Provision

TMTG tokens are not obtainable through mining. TMTG can be purchased through the virtual currency exchanges.



# Continuous Securement of Trade Stability

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## Stability of Transactions of Virtual Currency and Actual Goods

### **1. Development of an AI trading system**

: Implementation and improvement of the robo-advisor algorithm utilized by the financial industry

### **2. Recruitment of professional securities traders**

: Ensure the stability of transactions by hiring number of traders for block deals and other professional transactions

### **3. Agreement finalized for affiliation and collaboration with a domestic robo-advisor solution company**

### - Completed Legal Review / Attorney's Opinion Attached

## Legal Opinion

### **An Analysis of Legal Characteristics of “TMT” TOKEN or “The MIDAS Touch” TOKEN in Digital Gold Exchange (DGE)**

Law Firm CHARM hereby submits its analysis of a The MIDAS Touch (TMT) TOKEN, a utility token issued by and traded on Digital Gold Exchange (DGE), based on Korea's existing legal system. This report is subject to change, depending on the legal analysis and application by the Korean government or financial authorities, new regulatory policies, or precedents set by the Supreme Court.

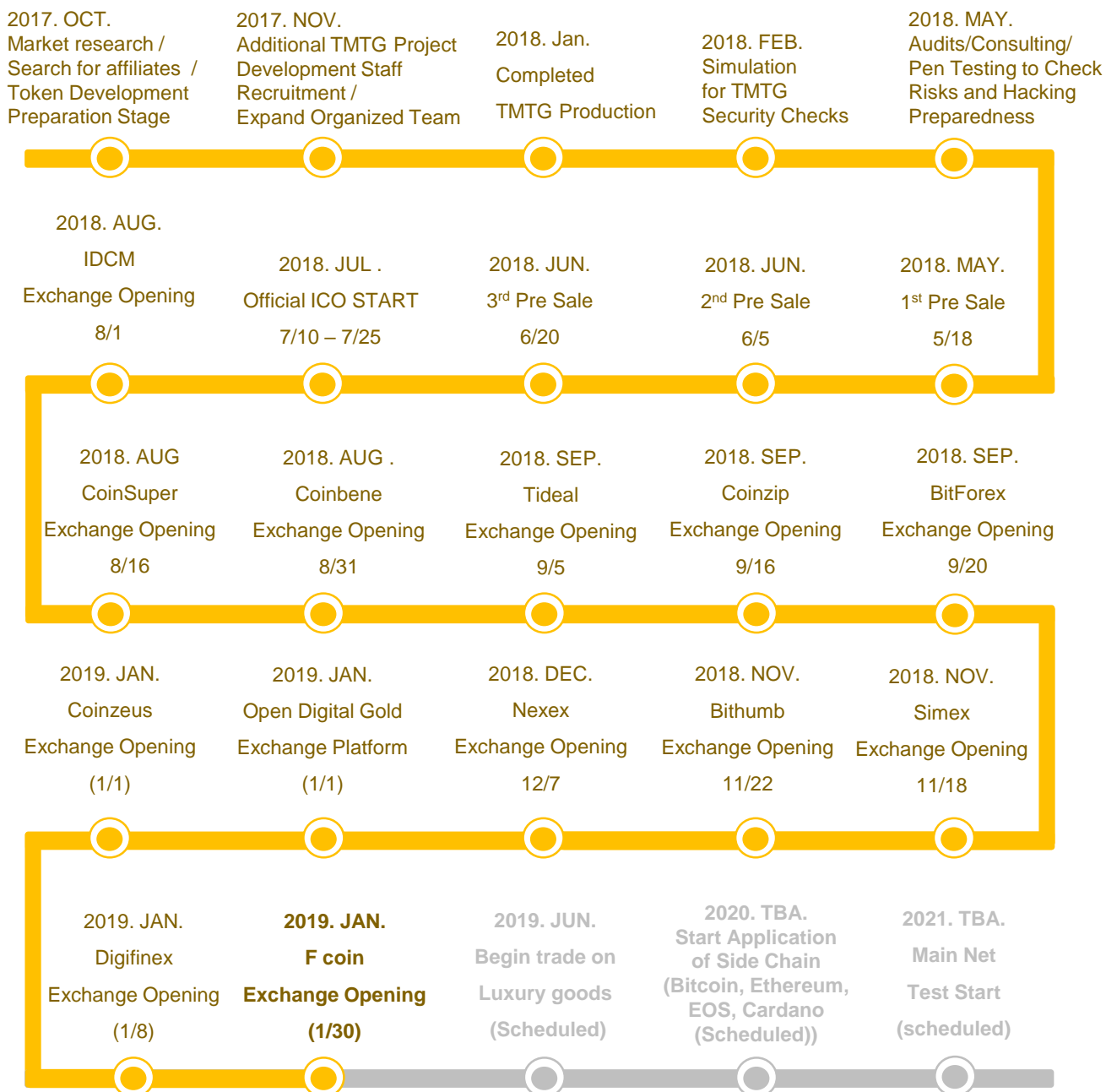
#### **1. Fundamental Concepts of Digital Gold Exchange (DGE)**

Digital Gold Exchange (DGE) is a new Blockchain ecosystem and TMT TOKEN is a cryptocurrency traded in DGE. The most visible characteristic of TMT TOKEN is its exchangeability for gold on Korea Gold Exchange. That is, acquisition of TMT TOKEN is identical to purchase of gold of the same value. So far, gold transactions have been available only in offline, person-to-person transactions. These transactions entail various risks, including gold quality, cast down on their sources. Purchase of gold through TMT TOKEN reduces these risks in a convenient and safe way.

[F.18] An excerpt from the Legal Opinion on the project

# Road-Map

## Product Road-Map



※ Further schedule to be announced.

# Team

## Key Personnel



### Yong-moon Kim

CHAIRMAN

- 25 years of experience in global investment and stock market research
- Former CIO of Tandem Investors, a Hong Kong-based hedge fund
- Former Senior Director of Credit Suisse Asset Management
- Former CIO of Mirae Asset Global Investment Management



### Kyung-sun Ryu

CEO/CMO

- Current CEO of Loudly, a Korean content marketing company
- Former Chief Content Officer of Global Influencer Platform Team of NEXTMAKERS
- Served as Exhibition Reorganization Team PM of Presidential Residence of Korea
- Produced documentaries for a Korean public TV channel



### Dong-il Eom

CTO

- Currently oversees the technology development team at DGE
- Worked as a part of HR Development Team of Samsung SDS
- Developed MP3 Player Romi & Juli
- Developed Wibro information security and secure IP Phones
- Managed a number of projects related to national defense



### J.A.E

CPO

- Worked as a project planner at some overseas development companies in Korea, Mainland China and Malaysia, etc
- Currently plays a role in planning of the platform and game as a manager of planning team at Digital Gold Exchange

## Team

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### **Kwang-soo. Kim**

Lead Block chain Developer

- Developed an e-commerce platform in U.S.A.
- Developed a monitoring system in Korea
- Developed T-Pay, L-Point/L-Pay improvement projects in Korea
- Currently plays a role in monitoring system and transaction as a leader of technology development team at Digital Gold Exchange



### **Sunghee Noh**

Crypto Planning Team Manager

- Currently involved in planning various projects at DGE
- Managed advanced IT convergence game projects at KOCCA(The Korea Creative Content Agency)
- Managed convergence smart content projects at NIPA(National IT Industry Promotion Agency of Korea)



### **Kim Sung Hwan**

Development Team Manager

- Developed SI (System Integration) and middle ware at HYUN & YOUNG SYSTEMS
- Developed a plenty of application software and inspected the vulnerability using the major computer languages of C++ and JAVA at VPK, EVENSTAR
- Currently plays a role in developing RMD Server



### **Kim hyeong seok**

Managing Director

- Director of DGE Global Business Department
- Handled sales in the U.S. and China in a French liquor firm

## Team

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### **Young-jin Lee**

Design Team Manager

- Currently oversees all web design projects at DGE
- Expert in web design with experience in various fields such as finance, game, education, portal sites and e-commerce
- Handled various e-commerce projects with major companies in Korea



### **Yuntae Roh**

Frontend Developer

- Graduated from the school of business management in WASEDA University, JAPAN
- Worked as a planner & a PM at the SI (System Integration) team of AIYONET, SHANGHAI
- Developed a system of WORDPRESS theme & plugin



### **Eung-seok Wang (DGE)**

Security Manager

- In charge of system, network, cloud, virtualization, and security of DGE platform
- Experienced in security consulting and penetration testing
- Ph. D in Business Administration, MBA in Industrial Security, Seoul School of Integrated Sciences & Technologies



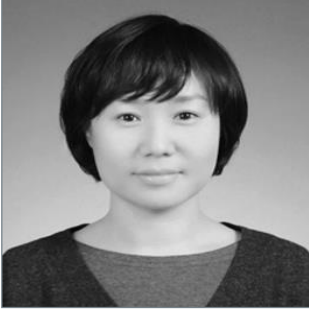
### **Sangyoon Lee (DGE)**

Platform Development Team Section Manager

- In charge of front and backend development for DGE platform in iOS, Android, and VUE
- Experience in front and backend development such as Node.js, PHP, and etc.

## Team

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### **Youngshim Cha (DGE)**

Frontend Developer

- In charge of web, mobile UI markup, responsive web development
- Experience in various web design agencies



### **Choi Seong Uk (ZEUS)**

Project Manager

- Manages overall development of COINZEUS
- Developed HFT-DMA algorithm trading system for stock companies.
- CEO of Cowincomfunny Co.



### **Ham Yong Gil (ZEUS)**

Development Team Manager

- In charge of backend development of COINZEUS
- Developed Healthcare Embedded Core and various stock company softwares.
- CTO of Cowincomfunny Co.



### **Kim Phil Jong (ZEUS)**

Frontend Developer

- In charge of frontend development of COINZEUS
- Developed solar photovoltaic power station system and various stock company softwares.
- CEO of ENFactory



## Team

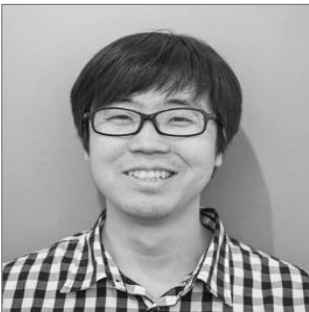
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### **Choi Nam Kyu (ZEUS)**

Engineer

- In charge of frontend development of COINZEUS
- Developed Healthcare Embedded Core and various stock company softwares



### **Park Jong Hee (ZEUS)**

Engineer

- In charge of system security of COINZEUS
  - CTO of Tokyo Branch Inc., CEO of DPLIO
- Expertise in system security and full stack development



### **Seo Woo Lee**

**Payment Managing Director**

- Oversees DGE payment business, acquisition of partnerships, and rights to use existing payment network
- CEO of ExtremeTechnology Co., Ltd.



### **Kim Kyoung min**

**Payment Managing Director**

- Oversees strategic planning for internal network of DGE payment system
- Experienced developer of ERP, POS, middleware, payment system, etc.



## Team

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### **Pyo Hyun Ki**

Game Planning Manager

- Participating in TMTG-based game planning
- Experienced game project planner various games launched in Korea



### **Sang-il. Han**

Engineer

- took in charge of the project of developing tools such as Unity/ Android/ Spring and a security technology of spring security web
- Currently plays a role as a block chain developer at Digital Gold Exchange



### **Kun-sik. Song**

Web Programmer

- took in charge of developing JAVA Web Program for the project of optimum guarantee model at HANWHA GENERAL INSURANCE
- took in charge of developing JAVA Web Program for the project of financial designing at CREDIT UNION
- Currently plays a role in developing at Digital Gold Exchange



### **Jae-geuk Hong**

Web & Character Designer

- Currently participating in DGE web and crypto game character design
- Handled web design and online marketing for accommodation app Yanolja

## Team

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### **Ban-seok Jung**

Crypto Planning Team  
Assistant Manager

- Currently planning various projects at DGE
- Took charge of forecasting, trend research, and in-depth analysis at Future Labs Korea



### **Ahreum Han**

Crypto Planning Team Assistant Manager

- Currently in charge of English translation at DGE
- Experience in publication and international business



### **ZHANG XIAOWEI**

Crypto Planning Team Assistant Manager

- Currently in charge of Chinese translation at DGE
- Experience in marketing, airline, and mechanics translation



### **Xian Li**

Crypto Planning Team Assistant Manager

- Currently in charge of Japanese translation at DGE
- Former member of Business Planning Team at Toyota-Boshoku Shanghai. BA in Business Administration, Tezukayama Univ. Japan

## Team

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### **Dae-young. Lee**

Client Programmer & App Developer

- took in charge of a multiple number of development projects on web board game
- Currently plays a role in developing client app program and TMTG PoO app



### **Nitesh Thakur**

Marketing advisor

## Team

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### **Hoon Baik**

Director of Hoon Creative

- Responsible for graphic design and marketing production of DGE
- Handled various design projects for global companies including Jim Beam Chicago HQ, Triumph Motorcycle UK, Publicis One, and Philip Morris
- Implemented branding for Genesis of Hyundai Motors



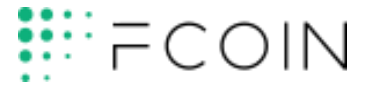
### **Youngsuk Hwang**

Former Vice-President at IBK

- Held the position of the head of the Loan Management Group (vice-president) at Industrial Bank of Korea

## Partners

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## Partners

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## Partners

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**Bitmax**



**OutBit**





# DIGITAL GOLD EXCHANGE

Mobile App / Web Monetization Platform

## Thank you

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