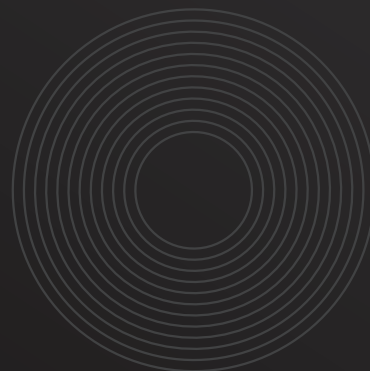




TriumphX

W H I T E P A P E R



Ver 2.0

LAST UPDATED: 19 JULY 2022



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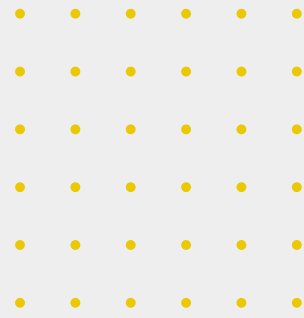


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Summary

According to the 2021 outlook report from virtual asset research firm Messari, this year, as interest in NFTs that can turn all data that exists online, such as art works and game items, into 'intellectual property', the 'NFT-friendly' block The chain project is expected to accompany the growth of related industries such as NFT trading platforms and expansion solutions.

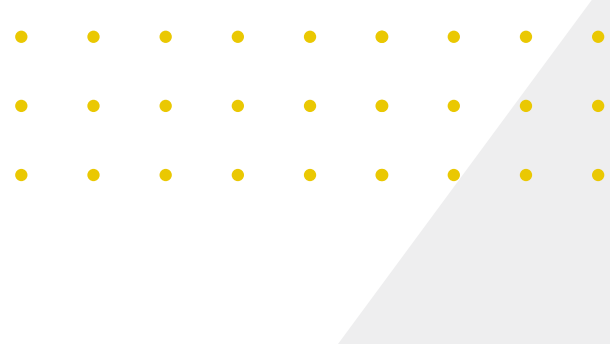
NFTs(non-fungible token) are non-fungible tokens, which are digital assets that contain unique identification information recorded in smart contracts. Unlike general virtual assets that have the same price per token, NFT refers to tokenization of scarce goods on the blockchain with different values per token.

TriumphX provides a one-stop service from discovery of creators, content development, and NFT publishing/marketing/consulting/sales so that all contents in the world can become digital assets. It contributes to expanding the diversity of NFTs, which are concentrated in the metaverse, art, and games.

In addition, in preparation for the rapidly growing NFT market on multiple blockchains at the same time, it provides a cross-chain decentralized NFT marketplace that can efficiently trade NFTs that exist in various chains and types to integrate the distributed market. TriumphX firstly integrates chains using Kakao's blockchain Klaytn's Orbit Chain bridge technology, and secondly, builds a more complete cross-chain marketplace through Polkadot's cross-chain technology.

By staking TRIX, TriumphX's utility token, In the cross-chain marketplace, TRIX, a utility token of TriumphX, is staked to reward staking participants with a portion of the platform's fees, and NFTs are staked to build a system that rewards additional NFTs.

TriumphX projects are designed and created to digitalize all content as NFTs and freely trade them.



NFT Market

The NFT market is currently experiencing exponential growth. Digital assetization of numerous contents is rapidly becoming common, and what we are witnessing is a historic moment of digital asset movement. NFTs can be digital assets for anything from artwork to memes. These are essentially unique items that cannot be replaced by anything else. An NFT is a unique digital asset that can be bought and sold but has no alternative form.

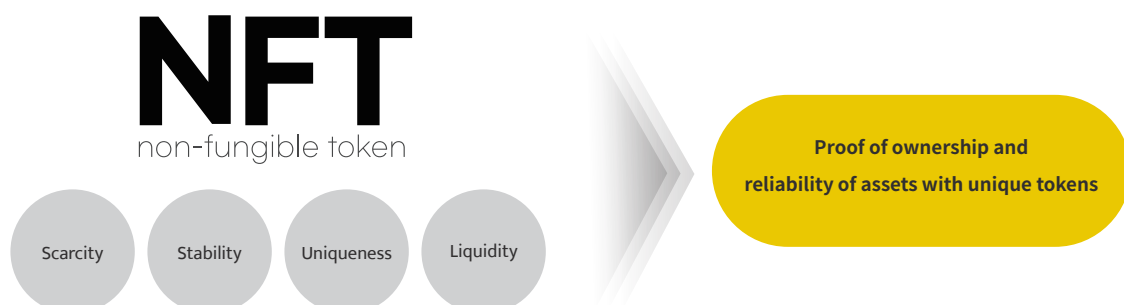
Why is NFT attracting attention?

Basically, all content can be digitized and digital ownership can be guaranteed by blockchain technology. It is possible to apply scarcity to digital works, and it is highly reliable and stable as it discloses the source of the NFT, the issue time, the ownership movement path and market value volatility through transaction data in real time. In particular, in the field of art, there are no restrictions on transportation or customs clearance like general works, so it is easy to distribute.

In other words, NFT is easy to understand and intuitive as a digital collectible, and it is characterized by low price volatility compared to general “coins”. In addition, within the rapidly growing metaverse platform, NFT is in the spotlight as a medium that can provide reliable rules and a consistent and common sense of reality.

Non-Fungible Token:

- Tokens created in a special cryptographic way using blockchain technology for linkage with unique assets
- Unlike replaceable tokens such as BTC and ERC20, NFT tokens, each token has its own unique characteristics and value.
- Due to these characteristics, it is being used for proof of digital ownership of unique assets.





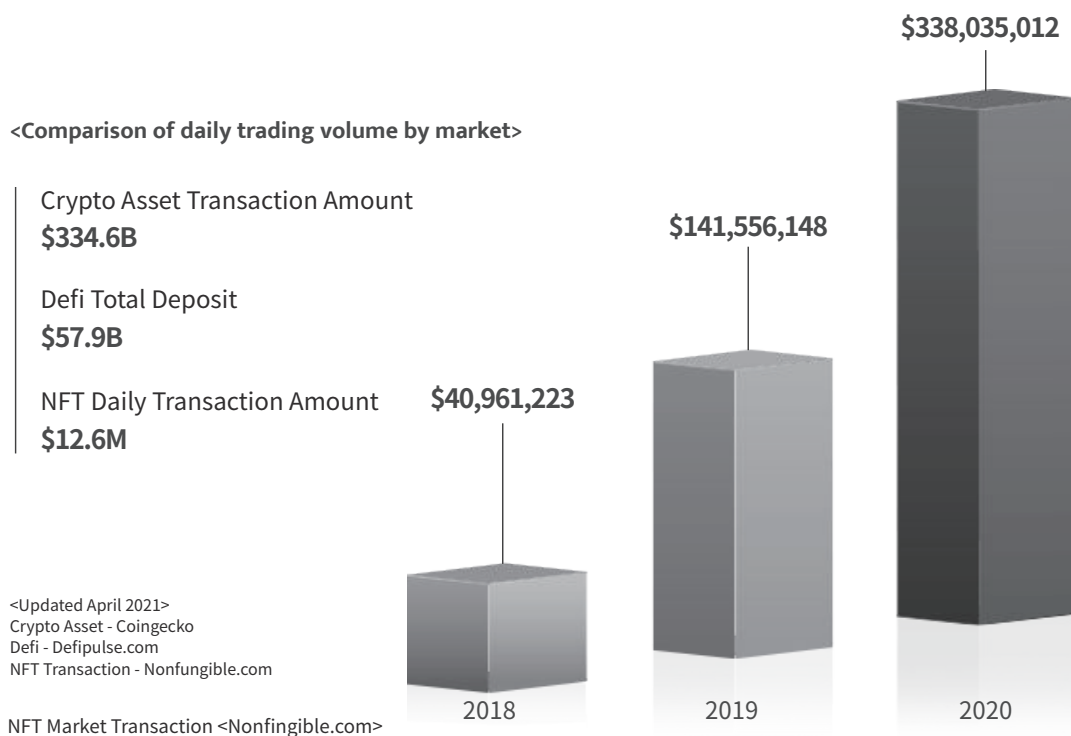
The NFT market doubles every year and grows rapidly

According to a report published by Nonfungible.com, an NFT market data analysis site, the NFT transaction volume increased more than eightfold from \$40.96 million in 2018 to \$338.03 million last year. The number of market traders has also been growing rapidly since August 2020.

It is expected to continue to grow in the future with the expansion of the virtual asset market and various NFT projects.

However, if you compare the cryptocurrency market cap, DeFi deposit amount, and NFT transaction amount, the NFT market can be seen as an extremely early market.

It is judged to have great potential due to the nature of NFTs that can be linked to various assets, including real assets.





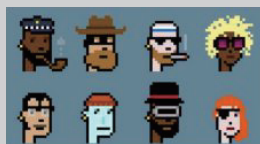
Nonfungible.com, an NFT-related data provider, provides data that can track the transaction volume of more than 125 NFT issuance services based on Ethereum. According to data from nonfungible.com, NFTs have shown a modest transaction size since the second half of 2017, when they were explosively popular, but from 3Q 2020 to the present, the transaction size and average transaction price have risen significantly. In the past six months, attention has been focused on NFTs, and main players have quickly settled in the market and are showing explosive growth.

Another thing to note is that the trading volume is rising slightly compared to the average trading price, which has risen significantly, which is the opposite of 2017, when the average trading price was low and the trading volume was high. Unlike the situation at the time when popular items were traded among many users, the current NFT market data may prove that a small number of asset owners are jumping into the NFT market with high investment value. This is because, in the case of a specific NFT, it exceeds the unit of billions and exceeds the transaction price that ordinary people can trade.

In fact, before the first half of 2021, nonfungible.com commemorated the breaking of \$1B in NFT transaction size, and the transaction size of the main players is as follows.

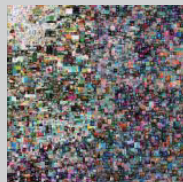


\$7.5M
CRYPTOPUNK



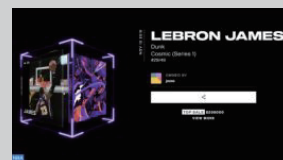
[Cryptopunk]

\$69M
BEEPLE
The First 5000 Days

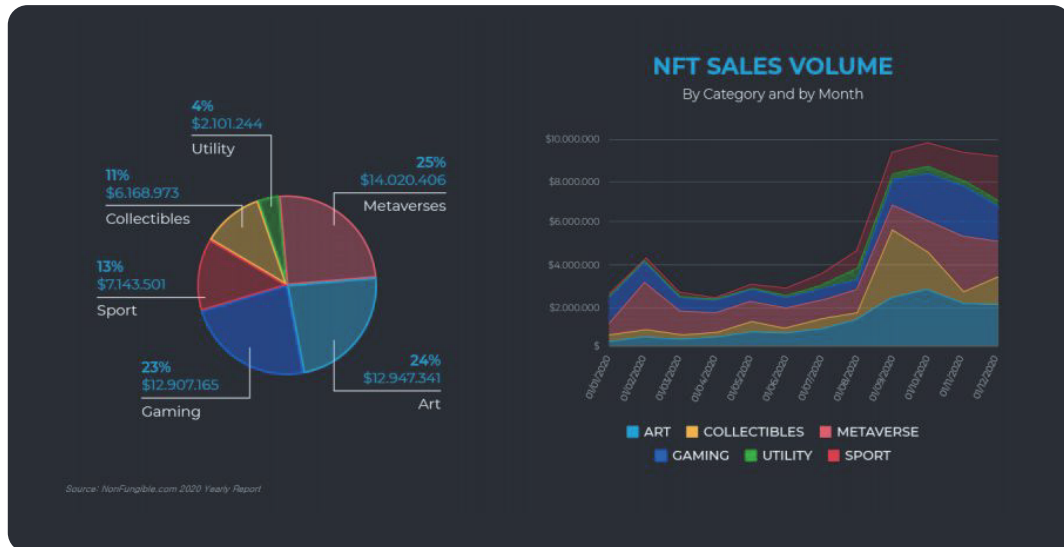


[Beeple]

\$208K
NBA TopShot
Lebron James



[NBA Topshot]



In the metaverse and art fields, NFT transactions with a high single selling price are active, resulting in a high market share, and in the game/collectible field, small-value transactions occur frequently and thus the number of sales is high.

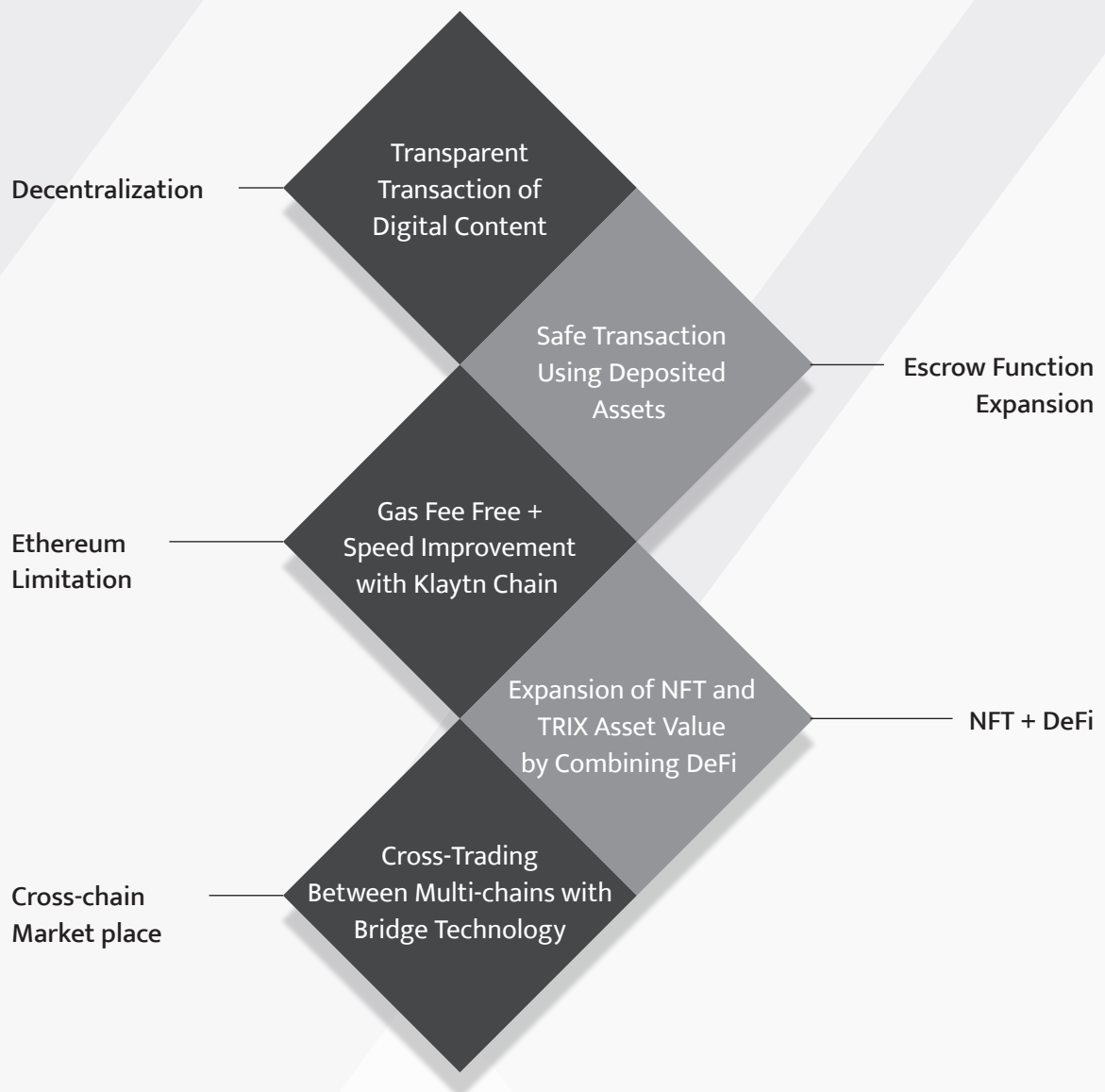
In other words, along with the metaverse, the game area has the largest user pool, and sports and other collectible areas are expected to continue to grow.

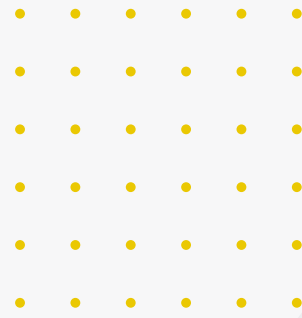
Limitations of Secondary Trading Market

	Market Concern	TriumphX Solution
Closed Transaction	<p>Current NFT market trading requires</p> <ul style="list-style-type: none"> - searching the NFT Marketplace that suits your needs - after searching for the desired NFT, use the relevant marketplace 	<p>Market integration through the development and provision of a single neutral network</p> <p>Implementation of cross-transaction services between all chains centered on secondary transactions</p>
	<p>The process of moving between marketplaces is complicated with a single purchase currency (ETH/Flow, etc.) per marketplace.</p> <p>Transactions between marketplaces and the complexity of the NFT transaction process according to need</p>	<p>Increase liquidity in the NFT trading market and induce easy user entry</p>
Low Liquidity	<p>In the case of Opensea, which currently has the highest Ether-based NFT transaction volume, there is a purchase burden due to the high gas fee of ETH.</p>	<p>After depositing Klaytn-based asset conversion through the bridge function, the transaction is used, and the buyer's transfer fee is free (based on Klaytn technology)</p>
	<p>Buyers pay an average of 10% of the marketplace fee</p> <p>Existence of liquidity and fee burden directly linked to buyer's profit</p>	<p>Low platform fees compared to competitors and a reward program through staking (De-fi)</p> <p>Profitability and user inflow through competitive commission and reward programs</p>
Trust Transaction	<p>Management service fee due to digital content NFT distribution and lack of trust between buyer and seller</p>	<p>Provides instant P2P transaction function that does not require trust between buyer and seller</p>
	<p>Management services and fees due to transaction reliability</p>	<p>The escrow function is provided within the auction method to immediately pay the proceeds when the auction is successful.</p> <p>Provides direct transaction between buyers and sellers and transparent transaction functions</p>



TriumphX, Solution for Secondary Trading Market Limitation





Integration of DeFi and NFT

According to the CEO of BLOCKCHANCE, one of the largest blockchain conferences in Europe, the market cap of the decentralized finance (DeFi) has grown from \$680+ million on January 1, 2020, to \$15.6 billion just one year later. Such heightened interest has led to investments from large institutions and accredited investors.

DeFi's unsecured lending was one of the functions that boosted the market by making loans more flexible. The original goal of the DeFi projects was to simplify the relations between credit institutions and borrowers. One of the prominent examples is the Aave platform, enabling peer-to-peer (P2P) lending without formal and complicated collateral requirements. Users who wish to lend out can deposit their funds into the pool so that they can lend out their funds and collect interest in return. On the other side, borrowers can easily draw funds from the pools without collaterals and make use of the loaned fund for investments and/or other uses. Furthermore, such no-collateral loans give power to the loaners on a P2P basis.

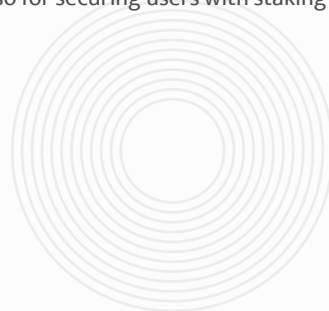
On the other hand, borrowers can easily borrow funds from the pool without collateral and use the borrowed funds for investment or other purposes. Also, these unsecured loans are P2P-based, giving borrowers great powers. Yield Farming is the largest growth driver for the DeFi sector, driving it from a \$500 million market cap to \$10 billion in 2020. In a nutshell, Yield Farming means spitting out tokens to earn rewards. The biggest advantage of coin staking is the reward system and low barrier to entry. It is also much more energy efficient than mining and has significantly less risk than coin investment. Now you can get more rewards just by staking in various yield farming projects like Compound, Curve, PancakeSwap and SushiSwap. By integrating DeFi and NFT, there is a synergy that allows you to enjoy collectible value and obtain additional rewards through staking.

Additional Value of TriumphX

In the case of the Sole-X platform, the assets in the linked wallet can be deposited in Sole-X first and then traded with the deposited assets. If you are a TRIX holder, you can participate in the staking program on Sole-X platform with the deposited assets. A portion of the commission for the transaction amount on the Sole-X platform is distributed according to the deposited TRIX ratio. Sole-X also includes a program that allows you to acquire additional NFTs when staking NFTs.

Unlike general NFT marketplace users, Sole-X active users can expect profit from NFT trading + compensation income from TRIX staking + revenue from selling NFTs received as NFT staking rewards.

As a result, it is advantageous not only for NFTs, but also for securing users with staking needs and securing coin liquidity.



Vision

Fully decentralized cross-chain NFT platform

As the NFT market expands, it will occupy the NFT market through platforms that meet the needs of digital natives, and services centered on publishers and buyers.

Trend / Ecosystem

- Increased purchasing power due to the emergence of metaverse and digital natives
- Expansion of the digital asset market
- Rush NFT issuance by famous brand IP (intellectual property) and artist digital asset NFT

Effective Digital Transformation

- One-stop service for NFT publishers, from digitalizing content to NFT and discovering publishers - content development - marketing - sales
- Networking of producers through partnerships in various fields

Cross-trading Cross-Chain Platform

- Fully decentralized cross-chain NFT platform
- Operation of Sole-X.io platform that supports easy NFT issuance and cross-chain transactions through ENFTEE.com (Live in March 2020)

Value Add service centered on publishers and users

- Free transaction fee with NFT marketplace based on Klaytn
- Providing a user compensation program by connecting the NFT market and the DeFi market





TRIX Project

Digital Transformation of all values

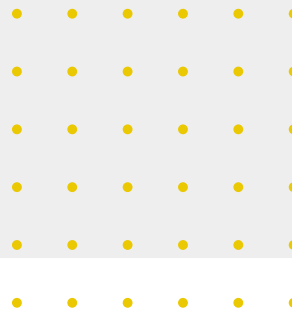
TriumphX operates two NFT platforms: ENFTTEE.com, which provides a one-stop service for NFT publishers, from publisher discovery - content development - marketing - sales, and Sole-X.io, which supports cross-chain transactions.

ENFTTEE is operated to support publishers who want to enter the NFT market and to discover new NFT content. In the traditional art market, we develop a dedicated NFT gallery that can be individually promoted by helping art galleries, museum and artists to quickly switch to NFT, and NFT-only promotions that can promote specific sports teams during the game season or create and promote brand new products as NFTs will be created as a promotional page for specific brand and categories. As a result, we pursue content diversity in the NFT market.

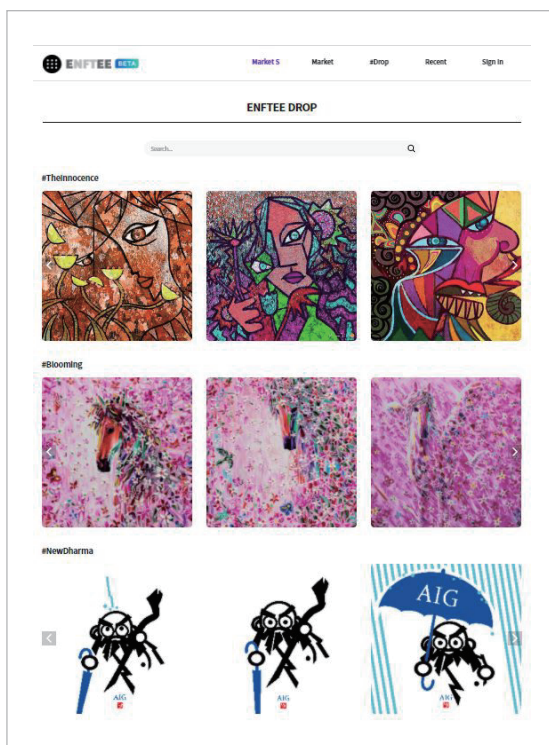
Sole-X is operated for global users who want to purchase Klaytn-based NFTs, and users who want to save gas costs and easily buy and sell NFTs of various chains with one wallet and coin. It aims to integrate the market through continuous chain expansion and to support an optimal environment where users with low understanding of blockchain can easily access and transact with various NFTs.

From the standpoint of publishers, ENFTTEE can promote projects more efficiently, and through Sole-X, NFT can increase the value and obtain viral effects.





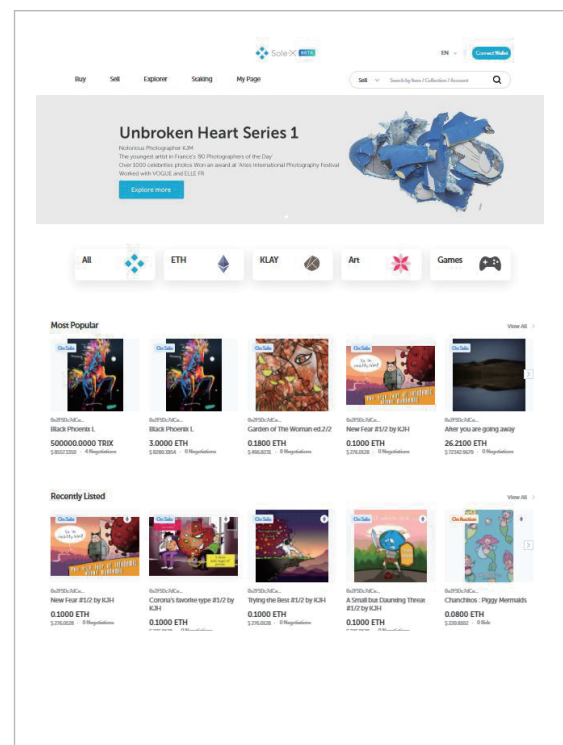
TriumphX NFT Platform



ENFTTEE, NFT Publishing platform

One-stop service for NFT publishers from
publisher discovery - content development
- marketing - sales

Platform Launch in February 2021

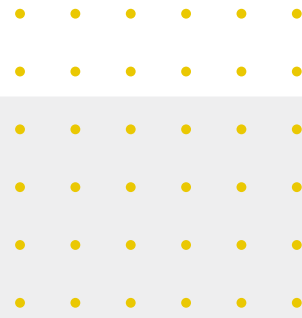


Sole-X, Cross-chain NFT Marketplace

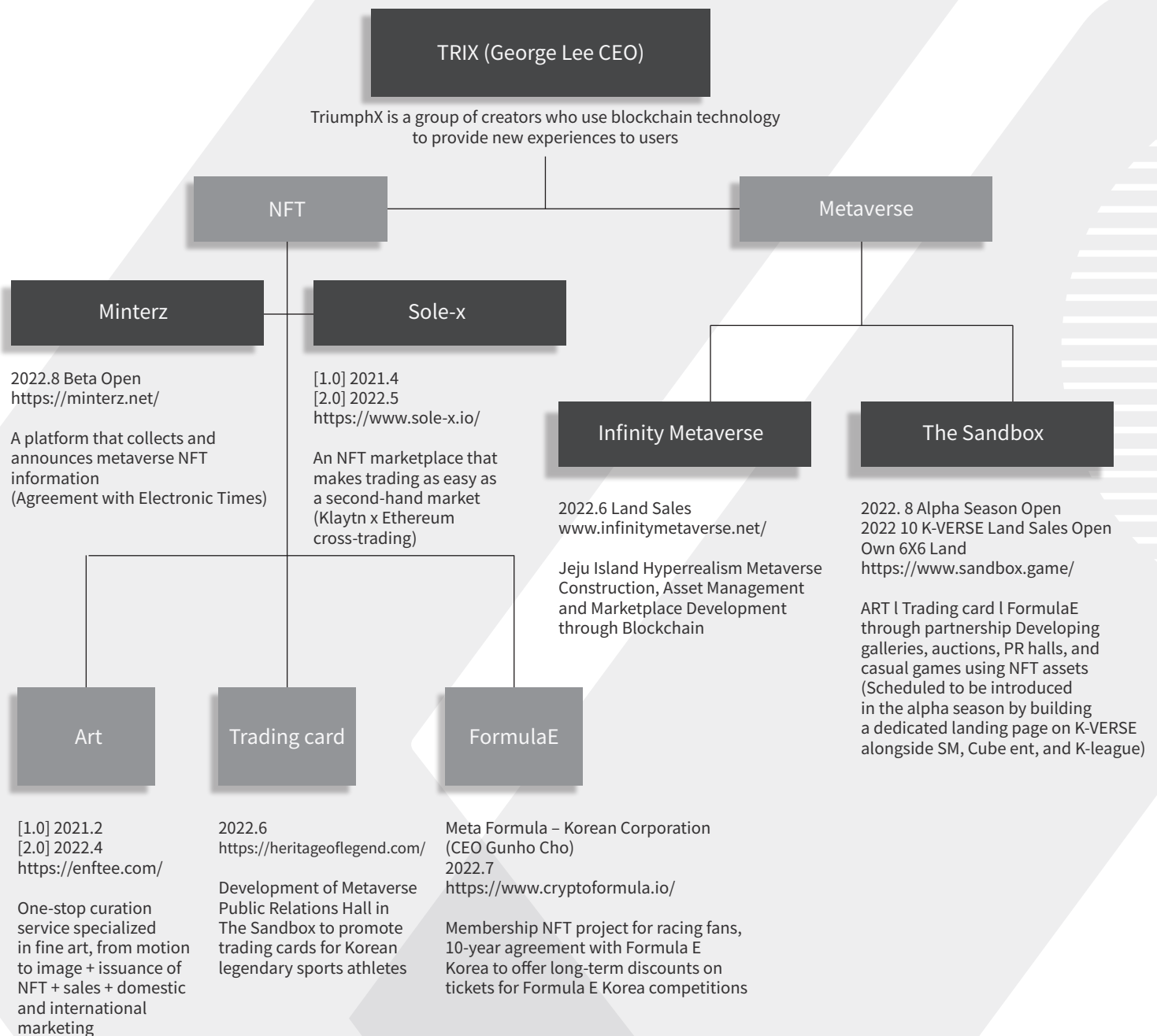
A platform that enables NFT P2P (Peer to Peer)
transactions, featuring interchangeable transactions
between multiple chains

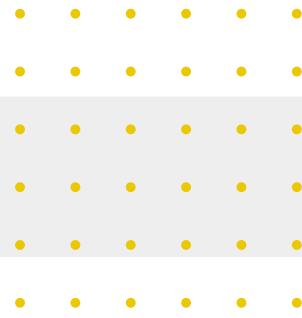
Platform Launch in April 2021





2022 TriumphX's NFT Platform :Expansion of Contents and Ecosystem





TriumphX Timeline

A process for providing additional liquidity through the development of a decentralized cross-chain NFT trading platform and the establishment of an NFT + DeFi platform

TriumphX Foundation

2020. 06
Decentralized cross-chain
NFT Platform Development

Klay Swap

2021. 04
TRIX - KLAY Pool for Token Liquidity

Sole-X 1.0 Beta Launch

2021. 04
Launched NFT Marketplace Beta
(developed based on Klaytn mainnet)

Sole-X 2.0 Launch Beta Test

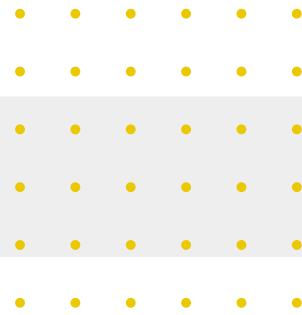
2022. 06
NFT Marketplace Beta Open
Delete the staking program by building
a decentralized system
Strengthen Security System
Mobile-optimized UI/UX change

ENFTEE 1.0 Beta Launch

2021. 02
Art/ Sports/
Entertainment NFT Publishing Platform Open

ENFTEE 2.0 Launch

2022. 04
Klip wallet link, klaytn environment
optimization
Delete membership procedures by establishing
a decentralized system
Strengthen Security System
Mobile-optimized UI/UX change


CRYPTO FORMULA

2022. 06

Partnership with Formula E Korea

CRYPTO FORMULA

2022. 06

Website Open

CRYPTO FORMULA

2022. 07

The Hyundai Seoul
NFT Exhibition Pre-Sale

CRYPTO FORMULA

2022. 08

10,000 Avatar Minting

CRYPTO FORMULA

2022. 12

Finish The Sandbox Game Plan

Heritage of Legend

2022. 06

The Sandbox voxel character production for
46 Korean legendary sports athletes

Heritage of Legend

2022. 06

Finish The Sandbox Game Plan

Sole-X 2.0 Add Chain

2022. 07

Add chain for cross chain transaction
*Added Chain : CyMetaverse Chain

Heritage of Legend

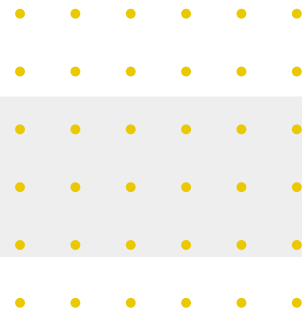
2022. 10

Create landing page, Release teaser video
Open The Sandbox K-VERSE Land Sales
Avatar NFT Minting
(Subject to change according to The
Sandbox schedule)

Heritage of Legend

2022. 12

Release The Sandbox K-Alpha Season
Teaser Game (Subject to change according
to The Sandbox schedule)



Q1 2023 [January - March]

- The Sandbox NFT 1st Minting
- Metaverse education program open (creator, planner course added)
- Formation of web3.0 metaverse agent consortium(concluded partnership)

Q3 2023 [July - September]

- Operation of the 5th metaverse education program
- The Sandbox NFT 3rd Minting
- P2P transaction of The Sandbox NFT in Sole-X
- The Sandbox K-alpha season preparation event opening and land operation

[*Subject to change according to The Sandbox schedule](#)

Q2 2023 [April - June]

- Operation of the 4th metaverse education program
- The Sandbox NFT 2nd Minting
- Experience planning and production in preparation for The Sandbox K-alpha season

[*Subject to change according to The Sandbox schedule](#)

Q4 2023 [October - December]

- Participated in the 2023 Metaverse Marketing Conference
- 2024 Metaverse Education Program Planning
- Advancements in NFT projects are being made to integrate with The Sandbox and other metaverse platforms
- Optimized production team composition for each metaverse platform



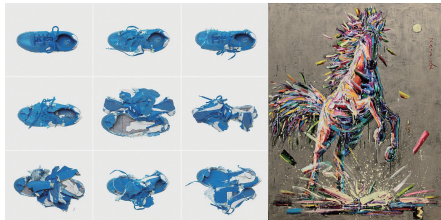
The Digital Collectibles, ENFTEE

ENFTEE.com, first introduced in February, was developed under the slogan “The digital collectibles,” which aims to make all digital contents in the world as asset that can be owned. ENFTEE not only deals with game items, but also deals with various categories such as art, characters, and sports.

ENFTEE platform, developed based on Klaytn, has two main functions: a market function to purchase NFTs and a wallet function to manage NFT assets. Since it provides a simple UX environment from owning an NFT of interest and putting it in a wallet, ENFTEE platform is designed for users to easily accept the concept of NFT.

The first NFT collection to be released is the artworks of Hong-Mo Kim, popular artist in Europe for the unique Korean sentiment. Along with the opening of the collection, there will be a launch event that delivers limited edition T-shirts printed with the ‘Rock & Robot’ series to whom purchasing the Hong-Mo Kim’s NFTs. They will be delivered to all holders around the world, excluding areas that cannot be delivered due to COVID-19. In the character category, the NFT series of characters popular in Europe and Korea such as MUZIK TIGER, CupOfTherapy, and Chanchitos will be introduced by signing an IP contract with Daewon Media, which has a vast global character IP.

<Examples of NFT categories that ENFTEE can publish>



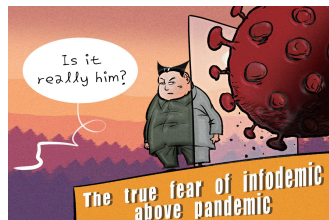
ART

Digital art, Installation art video, exhibition video, real transaction, etc.



Sports & Entertainment

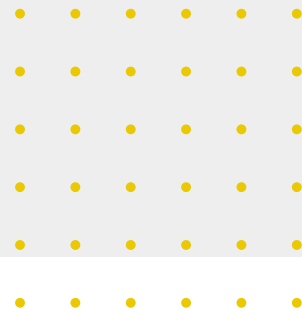
Match /Play video, Sports athlete/Celeb visual content, Signed goods, Membership



Character & Webtoon

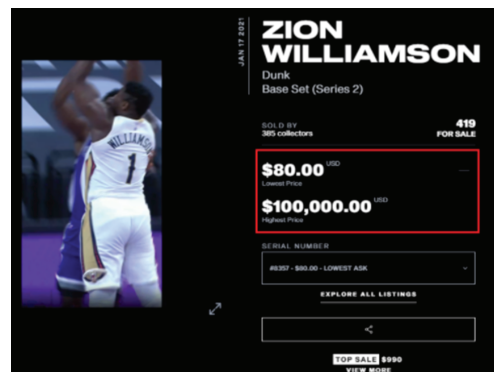
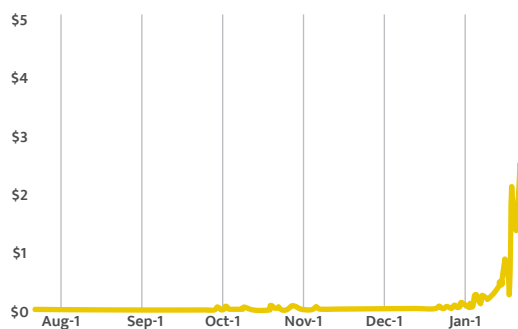
Webtoon, character, GIF, emoji, avatar etc.





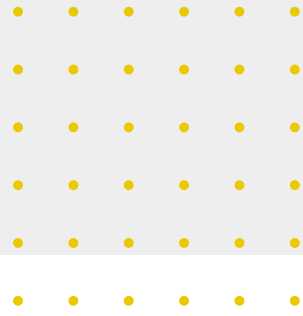
Dynamic NFT, metadata mapping

TriumphX is preparing sports category for the next series on ENFTEE platform. TriumphX's sports NFT card will not only contain famous scenes and profile photos of popular players but will also show the map metadata containing the players' game records. Sports NFT holders have the NFTs of their favorite players, and at the same time holders can view not only the latest performance, but also the performance history. Analyzing the needs of the market, TriumphX implemented the factors that sports fans will be excited about the implementation of NFT technology.



Left: NBA Top Shot Marketplace Volume per day reached \$6M lead to server shutdown
 Right: Zion Williamson NFT card sold at the most expensive price of \$0.1M
 Source : NBA Top Shot E-mail Service

TriumphX has entered into the technical agreement with Chainlink to implement dynamic NFT. Chainlink is a decentralized oracle network that connects smart contracts to blockchain, external (off-chain) data and systems in a secure and reliable way. Chainlink will use a secure Oracle node's decentralized network to map verified match record data to NFT cards.



Cross-chain NFT marketplace ‘Sole-X’

After ENFTEE release in April 2021, Sole-X 1.0, the ‘Cross-chain marketplace’ that allows blockchain-based NFTs in the world to be traded in one place, was released.

Holders who own NFTs at ENFTEE will be able to gain the Peer-to-Peer (P2P) trading experience in the NFT marketplace prepared by TriumphX.

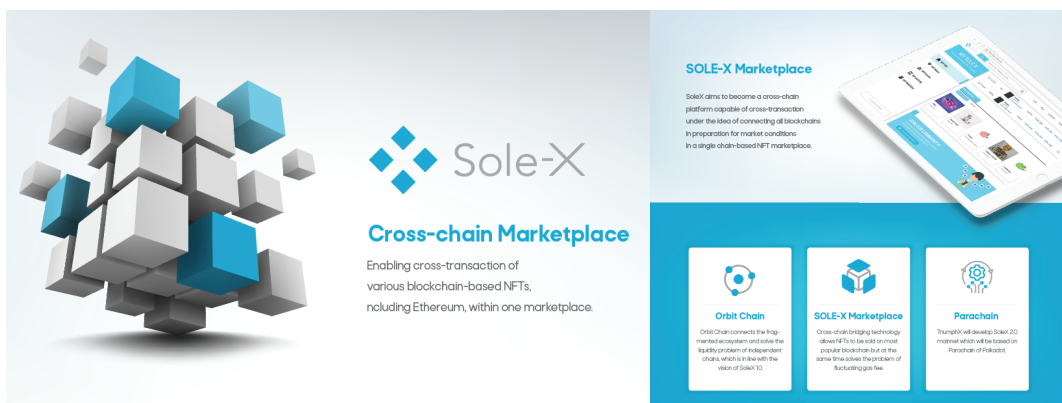
In Sole-X 1.0, the core technology is to enable cross-transaction of various blockchain-based NFTs, including Ethereum, within one marketplace. To implement cross-chain technology, TriumphX uses a protocol based on Orbit Chain. Orbit Chain is the world's first decentralized open IBC (Inter-Blockchain Communication) platform, which serves as a bridge for different chains to communicate and freely move assets.

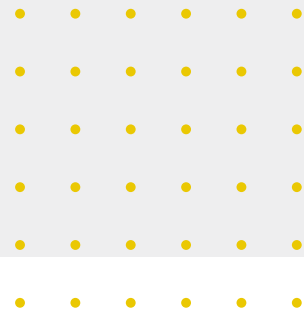
The goal of the Orbit Chain is to connect the fragmented ecosystem and solve the liquidity problem of independent chains, which is in line with the vision of Sole-X 1.0. SoleX 1.0 is developed on Klaytn and through Orbit Chain, NFTs based on chains other than Klaytn can be freely traded on SoleX 1.0.

Mainnet development based on Polkadot Parachain

Sole-X platform is the global marketplace where NFT collectors can trade their virtual assets: creative NFTs, Art NFTs, IP NFTs, and much more. After Sole-X 1.0 release, TriumphX will develop SoleX 2.0 mainnet that will be based on the Parachain of Polkadot.

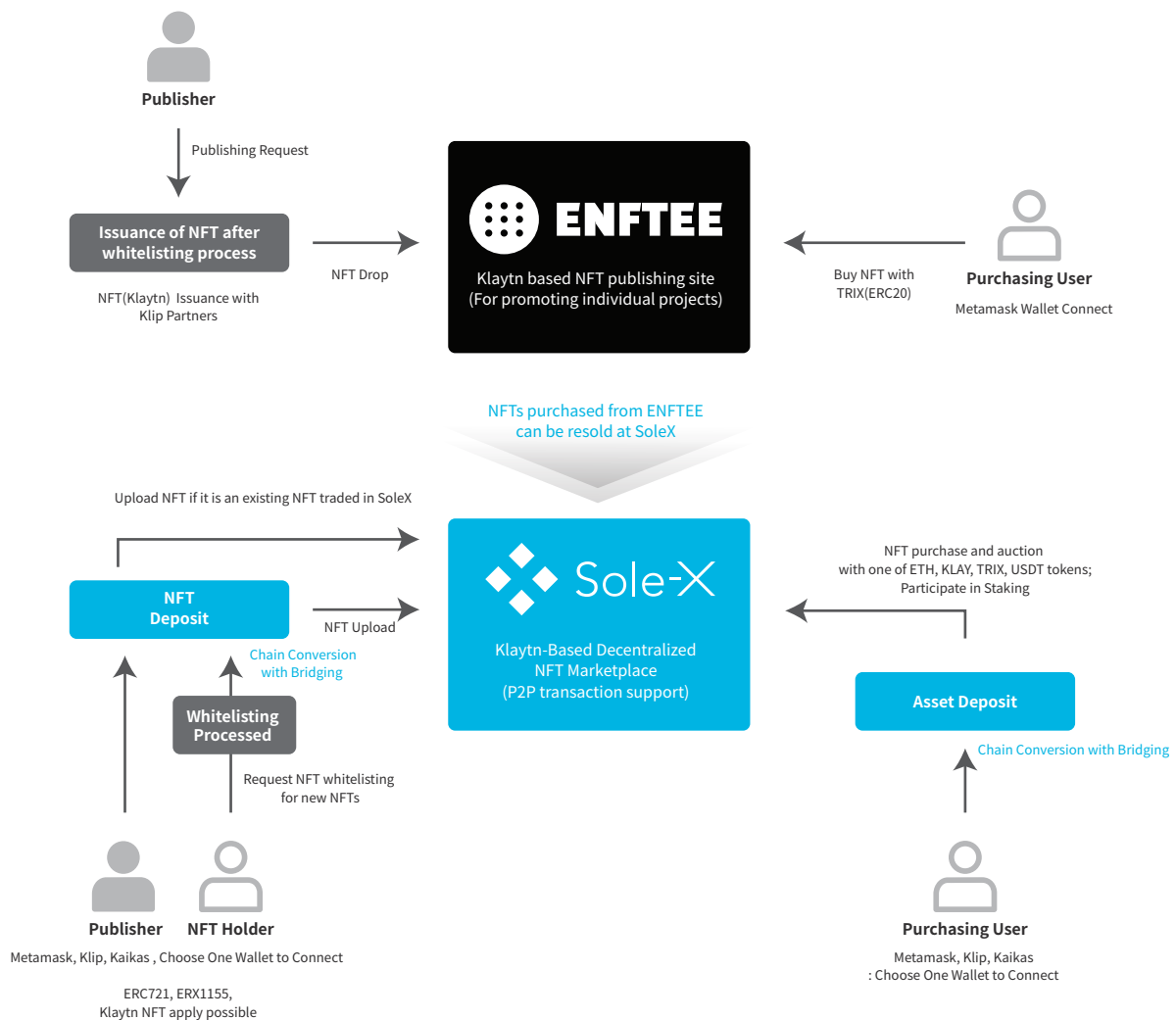
Sole-X 2.0 aims to become a cross-chain platform capable of cross-transactions under the idea of connecting all blockchains in the world in preparation for market conditions in which a single chain-based closed NFT marketplace is the majority. With this vision and the cross-chain scalability of Polkadot, the Sole-X 2.0, improved from 1.0 in many aspects such as scalability, security, and speed, will be released in the future.

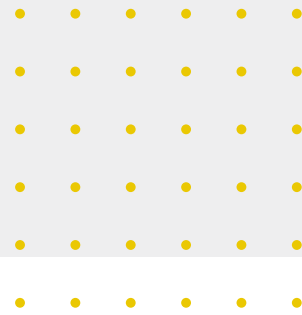




A structure that allows NFT issuance, distribution/management, and entry into a marketplace where P2P transactions are possible

May 2021





TriumphX feature

The Digital Collectibles, ENFTEE

The ENFTEE platform developed based on Klaytn has a marketplace function for NFT purchase and a wallet function for NFT asset management. Since it provides a simple UX environment, from owning and putting the NFTs of interest in your wallet, the ENFTEE platform was developed to allow users to easily embrace the concept of NFTs.

Cross-chain NFT Marketplace Sole-X

The core technology of Sole-X 1.0 is a technology that enables cross-transaction of various blockchain-based NFTs, including Ethereum, within a single marketplace. To implement cross-trading, TriumphX uses an Orbit Chain-based protocol. Sole-X 1.0 was developed based on Klaytn, and through Orbit Chain, NFTs based on chains other than Klaytn can freely trade on Sole-X 1.0.

TRIX Block Explorer

Block Explorer is an essential feature of all mainnet services, but most Block Explorers do not have NFT support. The TriumphX platform's block explorer is the first to support NFT. Integrates with TriumphX's NFT service and visualizes the current state of the NFT.

Dynamic NFT, Metadata Mapping

TriumphX's sports NFT cards not only contain highlights and profile pictures of famous players, but also display map metadata including player histories. TriumphX signed a technical contract with Chainlink to implement dynamic NFT. Connect smart contracts to blockchain, off-chain data in a secure and reliable way.

Polkadot Parachain Mainnet Development

TriumphX plans to develop SoleX 2.0 mainnet based on Polkadot Parachain. We aim to become a cross-chain platform that enables cross-trading under the idea of connecting all blockchains around the world in preparation for a market situation where there are multiple single-chain-based, closed NFT marketplaces.

Sole-X : TRIX Staking

All Sole-X users can stake TRIX tokens already deposited in SoleX. The staked tokens are used to operate the blockchain network, and users are rewarded in return. There is a 5% transaction fee per transaction for all transactions made on the Sole-X Marketplace, all of these fees are accumulated in real time.

TriumphX Blockchain Technology

Blockchain Architecture



TRIX Projects

Sole-X NFT Marketplace | ENFTEE

Utility Layer

Cross-chain Bridge | TRIX Block Explorer

EVM Layer

Frontier | Web3 RPC | Metamask | Remix

Blockchain Layer

Substrate based Polkadot Parachain



1. Blockchain Layer

Considering transparency, stability, security, and scalability, TriumphX will be built on the Polkadot network as a parachain. Polkadot enables interoperability and scalability by allowing specialized blockchains to communicate with each other in a secure, trust-free environment. Through the parallelized model of Polkadot, TriumphX will be built as a parachain that can compile into WASM and be connected to the Polkadot network.

The Polkadot Relay Chain does not implement smart contracts natively. However, it's possible for parachains to enable smart contract functionality and then benefit from the security and interoperability features of Polkadot. This is the core reason for building TriumphX as a parachain due to the ability to contain our own runtime logic that benefit from the shared security and the cross-chain messaging provided by the Polkadot Relay Chain. With the high degree of flexibility and customization, TriumphX will be able to customize the chain according to the commercial needs of partners within the network.

TriumphX will be developed using Substrate Core, which grants us the ability to design the entire runtime and implement it from scratch.

TriumphX Council Reward system

Stability is the most important factor of the TriumphX platform services. In this scenario, validators would exert their utmost effort on the node operation to maintain the stability of their business.

In the initial stage of the blockchain, few business opportunities would be available since the token economy has not been activated. Therefore, we plan to recruit council members who can form stable blockchain networks for an appropriate level of compensation. The initial council members will receive an annual compensation of 5% of the amount of trust for a period of time needed to stabilize their businesses. Such compensation plans will remain effective until 101 companies are registered as validators.

The council members also act as a form of governance for the TriumphX blockchain and will have the ability to vote on key decisions concerning the TriumphX blockchain such as the fees on the platform.

Creating a Sustainable Decentralised Governance Model

As we expect centralized exchanges to hold significant sums of tokens, safeguards will be put in place to ensure that exchanges are barred from the governance process and voting process to prevent manipulation of the network in the interest of the exchanges using tokens which are not owned by themselves. These safeguards include identification on the blockchain and active governance from the validators to bar addresses that have been identified as exchange addresses on the network





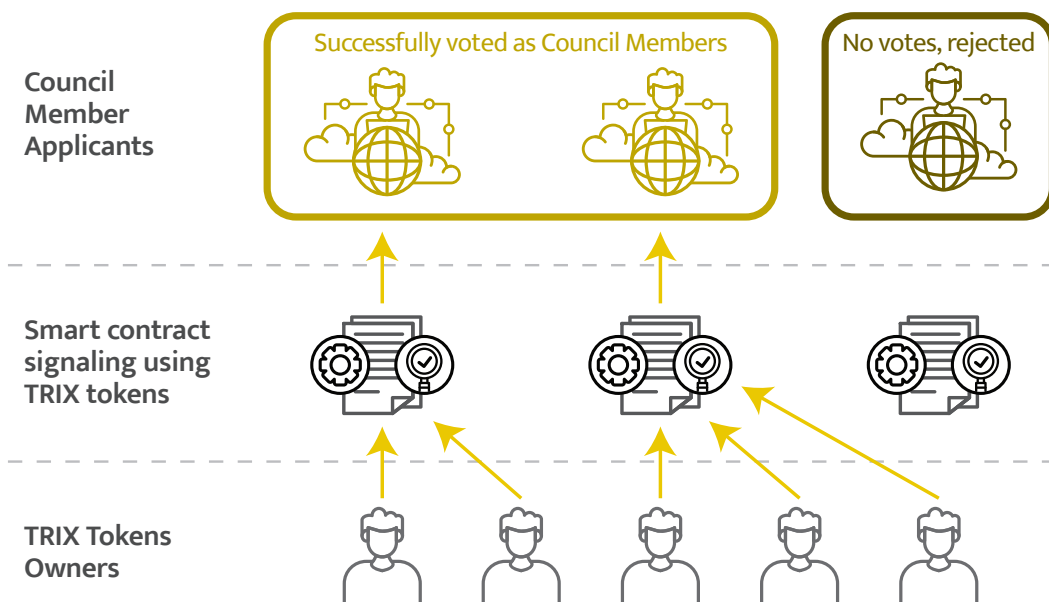
At the start, there shall be two validators, managed by the creators of TriumphX. As time goes by, more validators will be opened, up to a total of 101 validators. Subject to future governance changes by the 101 validators, the number of seats may be further expanded.

Each validator term lasts for a period of 12 months, and after the initial 12 months period, all validators, including the initial two seats controlled by the founders, will be put up for voting by the network users. This ensures true decentralization of the network.

In the long-term, there may be additional DAOs being created on the TriumphX blockchain to satiate the need for greater coordination outside of the initial validator setup. These DAOs can be governed by various decision-making processes such as simple 1-person-1-vote mechanism, delegated voting, 1-token-1-vote, or other more complex mechanisms.

Election of Validators

Users will need to signal (by time-locking their TRIX tokens to vote for certain decisions on governance of the TriumphX blockchain). These tokens will not be spent and will be returned to the voters after a certain period of time.





TRIX Project

ERC-1155 Token Standard Adoption And Future NFTs

NFTs will exist as ERC-1155 tokens on the Ethereum blockchain in the initial stages and future token standards that are backward compatible with the ERC-1155 token standard will be implemented to ensure interoperability across all blockchains within the TriumphX network.

ERC-1155 token standard was selected as it is able to manage multiple token types within a single deployed contract. For example, a combination of fungible tokens, non-fungible tokens or even semi-fungible tokens can be created. For NFT providers adopting the ERC-20 or ERC-721 standard would require the creation of thousands of unique smart contracts, each representing a unique NFT item. The ERC-1155 standard would enable each NFT to operate on a single smart contract. Transaction fees may also be lower as multiple token types can be swapped at once.

Aggregated Public Database on NFTs

While the in-game items that have been tokenized exist as NFTs on the blockchain, these NFTs can still be aggregated under the same subset of items. For example, two “Legendary Dragon Sword” tokenized on TriumphX exist as two unique NFTs, but the blockchain recognizes these two NFTs as the same item, hence can be used interchangeably with the same price.

The key objective of having these items existing as NFTs is to enable tracing of ownership of the items such that when it is redeemed by the buyer, the blockchain will know which is the seller of the item and can conduct the transfers between the two accounts accurately.

Because of this ability to recognize different NFTs as representation of the same item, the TriumphX Explorer is able to group these items together to state useful statistics such as the total number of items tokenized and in existence on the blockchain,

the total historical traded price of such items, the number of items owned by each user to identify if there is hoarding of items and more.

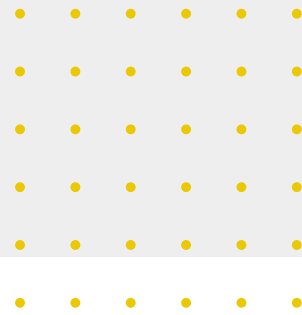
Interoperability Across Different Blockchains

TriumphX has a concrete plan for achieving interoperability through Polkadot, a cross-chain bridging network that Parity is developing in partnership with Substrate. Through the connection with Polkadot, TriumphX will have true interoperability with all blockchains in the Polkadot network and cross-blockchain transfers of any type of data or asset can be accomplished. This increases liquidity of NFTs and TRIX tokens as it increases access to the NFTs by the communities across a large number of blockchains.

For high-stakes transfers and trading, users may opt to have finality of their transactions occurring on a time-tested network such as Ethereum which has high security but also higher costs and longer time taken for finality onchain. Alternatively, if lower cost of transactions and speed is of essence for the user, a different blockchain such as EOS can be used by the user for quicker confirmation time. It is also possible for users to leverage on more complex strategies such as obtaining speed via an initial EOS transaction, and automatically finalizing the transaction on Ethereum after a pre-defined period of time helping users manage the trade-offs between transaction costs of short term trading (e.g. scalping/swing trading of NFTs) while ensuring security for items that are held as a store of value by the users.

In the future, if there are additional networks capable of enabling cross-chain transferability and interoperability, TriumphX can be further integrated with these networks to further increase the cross-chain transferability of NFTs ensuring that TriumphX blockchain is future proofed regardless of how new platforms are developed and forward compatibility of the NFTs with blockchain networks that have yet to exist.





Triumph-X Platform

Cross-chain Technology in the NFT Marketplace

Cross-chain technology is a new technology that can transfer value and information between various blockchain networks. Sole-X was developed based on Kakao's blockchain network Klaytn via Orbit Chain. This cross-chain platform supports interoperability between various blockchains such as Ethereum, Klaytn, etc. This means that traders can trade in the market with NFTs and coins formed on other chains.

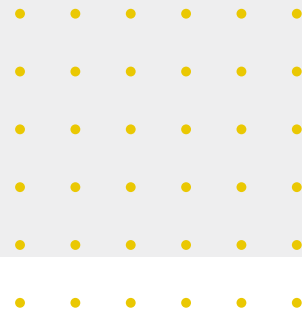
Orbit Chain technology leveraged by TriumphX is the world's first decentralized open Inter-Blockchain Communication (IBC) platform. Orbit Chain aims to connect fragmented ecosystems to solve the liquidity problem of independent chains, consistent with the vision of Sole-X.

Cross-chain NFT Marketplace vs. General NFT Marketplace

A normal NFT marketplace supports single transactions, and Sole-X's purpose is to support free transactions between all chains. Sole-X includes several NFTs and other digital collectibles. Sole-X currently supports transactions with 2 chains, 3 wallets, and 4 coins. Users will experience high-quality NFT trading while minimizing barriers to entry within the platform. Multi-chain transaction convenience is a key feature of Sole-X.

Sole-X primarily supports NFT uploads based on Ethereum and Klaytn. Wallets that can connect to Sole-X include Ethereum-based METAMASK and Klaytn-based Kaikas and KLIP. Transactions are possible with TriumphX's coins, TRIX, Ethereum (ETH), Klay, and Tether (USDT). In the future, Solex 2.0 will introduce the Polkadot chain and link more chains to expand the cross-chain opportunity.





Trading on Sole-X

To trade on Sole-X, users need to connect their wallets to Sole-X and deposit their assets to Sole-X. Through this process and bridge function, other chain-based NFTs or coins are converted into Klaytn-based assets. Sole-X eliminates the inconvenience of purchasing various wallets and coins when trading NFTs on various chains. Any chain-based NFT transaction is possible even if you only own one of the available coins.

The second reason users should switch to Klaytn-based assets is to save on transfer fees. Currently, the transfer fee is free in the beta version of Sole-X. However, the platform fees and payment fees in the existing Ethereum chain-based large NFT market are quite expensive. Klaytn-based Sole-X beta version supports fast and free payments compared to the expensive Ethereum gas fees and relatively relaxed payment speeds.

Sole-X also provides a secure auction system that allows users to escrow the desired auction price when participating in an auction and deposit money directly to the seller if the bid is successful. By default, the highest priced participant bid is escrowed. These escrowed tokens are transferred to the seller's Sole-X account if the bid is successful. This prevents unreliable transactions, such as the seller not receiving tokens despite the success of the auction.





TRIX Token Economy

Utility of token

1. As a currency for P2P transaction on the decentralised exchange (trading of items)
2. To pay for transaction fees (discounted fees using TRIX)
3. Staking by game companies to enter into the TriumphX ecosystem for a share of profits made from the transactions occurring on TriumphX marketplace
4. Staking by Sole-X users who wishes to trade NFTs on the cross-chain NFT marketplace
5. Governance – signalling and voting for changes to the TriumphX blockchain

Sole-X: TRIX Staking

All Sole-X users can stake TRIX tokens already deposited in Sole-X. Staking refers to the act of “locking” the cryptocurrencies (coins / tokens) in the blockchain network. These actions are utilized for the operation of the blockchain network, and users are rewarded in return.

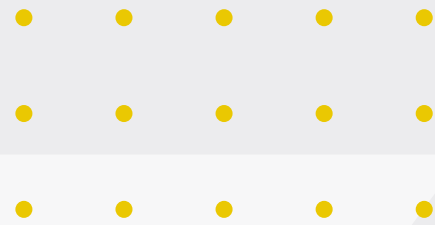
Sole-X has similar staking structure. A 5% transaction fee is incurred per transaction for all that occurred on the Sole-X marketplace, and all such fees are accumulated in real-time. The cumulated fee is rewarded in different cryptocurrencies and in proportion to the staked amount. Rewards are distributed in total of 4 different types of cryptocurrencies: Ethereum (ETH), Tether (USDT), TriumphX (TRIX), and Klaytn (KLAY). For example, if user A stakes 500 TRIX tokens and user B stakes 1,000 TRIX tokens, user B receives more reward tokens. Furthermore, if the cryptocurrencies used for the transaction are Ethereum and Tether, the user can only claim staking rewards for Ethereum and Tether.

For example, if ETH is used for 10 transactions, only ETH will be rewarded as the staking reward (USDT, TRIX, and KLAY not applicable).

If TRIX is used for 10 transactions, only TRIX will be rewarded as the staking reward (ETH, USDT, and KLAY not applicable).

If both USDT and KLAY are used for 10 transactions, USDT and KLAY will be rewarded as the staking reward (ETH and TRIX not applicable).

Users can claim rewards once an hour and batch claim for all 4 cryptocurrencies with one click (claiming individual cryptocurrency is not possible). After completion of the claim, the amount of the Unclaimed Rewards will be reset to 0, whereas the Earned Rewards to date will continue to increase by the amount claimed.



Token distribution

Private sale investors	30%	3,000,000,000 TRIX
Ecosystem Fund	30%	3,000,000,000 TRIX
Reserves	20%	2,000,000,000 TRIX
Team & Advisors	10%	1,000,000,000 TRIX
Strategic Partnerships	5%	500,000,000 TRIX
Marketing	5%	500,000,000 TRIX

Token supply

Total supply: 10,000,000,000 TRIX tokens



Partnerships

Partnership with global blockchain specialist & digital content holding company



Klaytn

Using Kakao's Blockchain technology we are developing NFT platform and participating in Klayswap pool.



Using Orbit chain, we are developing opened cross-chain NFT marketplace.

Polkadot.

We are utilizing Polkadot chain to solve the problems of ERC-20 Ethereum's high fee and transaction speed issues.



XPOP
ENTERTAINMENT

Introduce K-Culture contents to the global market through NFT technology by increasing the compatibility of Polka Dot Chain and Klaytn Chain



Chainlink

Using Chainlink's Oracle solution, we are developing the way to map players' playing stats off-chain data to sport NFT cards.



TESSA
ART. THE NEW ASSET CLASS

Damien Hirst, Jeff Koons etc., we are collaborating with TESSA to sell the part of known bluechip NFTs.



We are using Daewon media's character IPs to issue character NFTs.

KMCA
K Museum of Contemporary Art

Collaboration on NFT content development using exhibition IP



pictostudio
Character & Animation

Collaboration on NFT content development using character IP

FULIGHT

NFT platform development and operation, collaboration to discover new content



inamutoon

Collaboration on NFT content and platform development using character IP

THE
SANDBOX

TriumphX's partnership with The Sandbox builds the metaverse and integrates NFTs.

Y.GRAM

Training for metaverse creators

The Sandbox metaverse asset · experience creation

AR · VR metaverse technology support



PRIME 137
CREATE UNIQUE VALUE

Metaverse marketing education business partner

Metaverse marketing agency partner



币世界
BiShiJie.com



CoinNess.com

COINREADERS



Coin Cat Media

We are cooperating with influencing blockchain media around Korea, NA and China.



Team Members and Advisor



Soohyung Lee - CEO

- Korea Blockchain Contents Association
- Daum Communication Kakao
- Daewoo Securities
- Yonsei University Graduate School of Media and Public Relations



JINI Kim - CMO

- Consultant for Gravity Digital Marketing for Middle East Market
- Investment Marketing Team Leader of Wadiz
- Conducted digital marketing for eBay, VISA, KT, Match Group
- B.A. in Fine Arts, Choongang University



Heather Choi - Digital Marketing Manager

- Meta Communications, DNMD Marketing Manager
- Study Search(LST) Startup Marketing Management
- Graduated from Department of Chinese Language and Literature at Sookmyung Women's University



Woo Seong Lee - Creative Director

- Representative of super creative content agency <MINAMCOMPANY>
- <GQ> <DAZED&CONFUSED> <Arena Homme+>, etc. 17 years as a feature editor for fashion magazines
- Advisor for the first issue of 'Prosvie', a magazine of the Korea Professional Sports Association
- Column serialization related to Daehong Planning Trend
- Hankook Ilbo New Year's Literary Award Winner, Composition Lecture Operation



Emily Kim - Developer, IT instructor

- KT DS National Human Resources Development Consortium IT Lecturer
- Site development for communities, public institutions, aviation/travel, distribution/logistics, coding academy, etc.



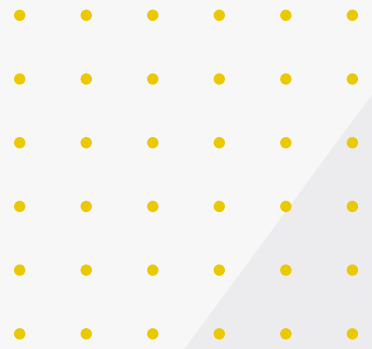
Joy Kim - Metaverse Art Director

- Urban Light Startup CEO
- Seoul Metro Daycare Center Web Design
- JB Woori Capital
- Graduated from the Department of Infant Care at Korean Bible University



Claire Park - NFT art manager

- National Museum of Modern and Contemporary Art, Seoul, Korea Management
- U+5G Gallery [Add 5G to Art] PM
- Aton Studio Illustration Training
- CF/Book/Event/Commercial Poster Illustration Drawings
- Graduated from College of Design, Kookmin University



Meehee Kang - Agent

- Korea Ballet Festival / Seongan Books Publishing House / Taekwang Jewelry and many other personal, broadcasting, corporate advertising design
- Sunderland Korea in charge of design
- Chung-Ang University Bachelor of Fine Arts Master's degree



Jay Lee - Advisor

- 10 years of operation of Korea's largest online/offline sports card shop
- 17 years of sports card trading and promotion operation



Mark Chang - Advisor

- Magnis CEO
- Gomz Game Studio Director of Business
- PATI Games Head of Business & Publishing
- Neowiz Games Global Business Development & Operation
- Gravity Ragnarok2, Div./ Overseas Business



Rising Sun, Kim Il-dong - Advisor

- Contemporary artist, film director
-Invited exhibitions at domestic and foreign art museums such as Seoul Museum of Art, Gyeongnam Museum of Art, Sejong Center for the Performing Arts, and Dakar Biennale
- BMW MINI art car, CGV, Incheon International Airport Corporation art collaboration
- Former) Naver webtoon writer / Collection: Colonial History Museum, Naesorak Art Museum, Kwangdong Pharmaceutical, etc.



Rosa Fantasy - Advisor

- Kaywon Arts High School
- Department of Oriental Painting, College of Fine Arts, Hongik University
- A number of solo exhibitions such as the quirky hospitality exhibition (Ilmin Museum of Art)
- active in various fields such as painting, illustration, artist cartoons, webtoons, etc.



Seung hyun Kim – Advisor

- 2002-2011 Daegu Orions basketball player
- 2011-2014 Seoul Samsung Thunders basketball player
- 2002-2008 Republic of Korea national basketball player



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