

Coin based on
Atomic Swap technology

ETHECARAT Coin

Everyone has a desire for beauty and health. The Place Project is the only way out of this need.



Management Philosophy

ETHEGRAM is a blockchain company that strives to take blockchain technology to the next level and create a healthy and healthy blockchain ecosystem. Many companies are currently preparing for ICOs, but while planning a business platform without verification of their business direction and token-economy, they are experiencing many trials and errors and social problems. The current blockchain industry has ended the period of survival by simply investing in white paper, and it can be said that only a platform incorporating blockchain technology that can be directly used in daily life can survive. In the near future, blockchain technology will affect many industries, experts say that it will lead the fourth growth industry, the future growth industry. In order to lead the global market at this time, above all, only a company that can quickly lead a business without trial and error can survive in the global market.

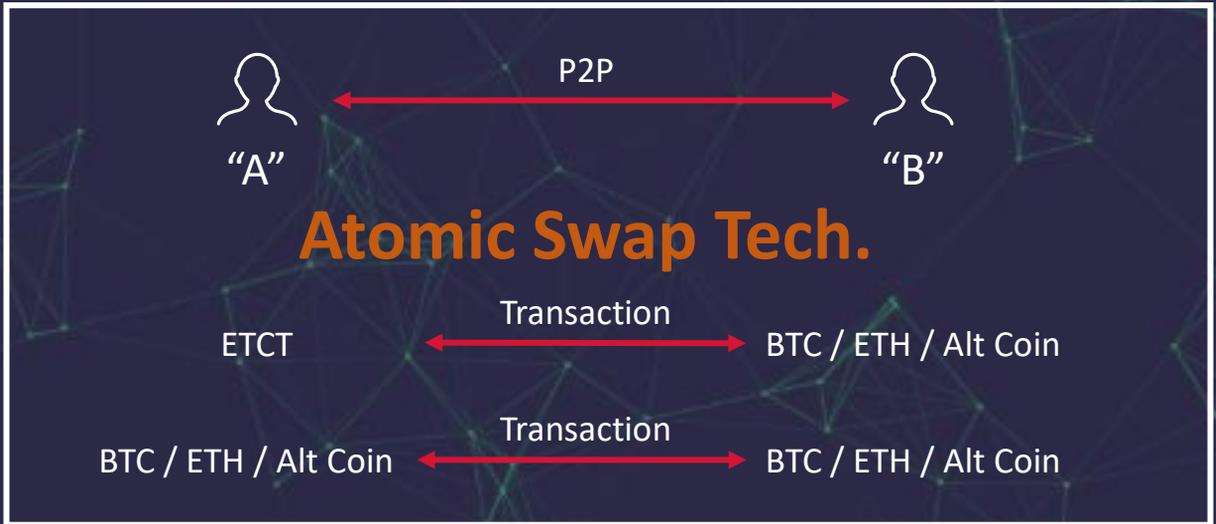
ETHEGRAM has been developed to facilitate P2P transactions without going through a centralized coin exchange through the platform, and it also has a messenger and group community function.

Exclusive coins used in ETHEGRAM will be used as fees for airdrops and SNS referral bonuses when signing up for membership with ETHECARAT Coin, when using services within the ETHEGRAM Platform, and when trading between coins. The value of ETHECARAT Coin will increase proportionally as the number of users using ETHEGRAM increases, and it is judged that the value will continue to improve when listing on the coin exchange in the future as there is no amount of circulation in the market to date. ETHEGRAM's blockchain technology is developed to enable secure and fast transactions by applying ATOMIC SWAP technology that can provide P2P transaction services.

In addition, we are consulting with foreign experts related to blockchain and domestic and foreign law firms, and focus on promoting stable business when entering the domestic and foreign markets. ETHEGRAM will become a company that strives to innovate and create a market based on blockchain-based coin swap.

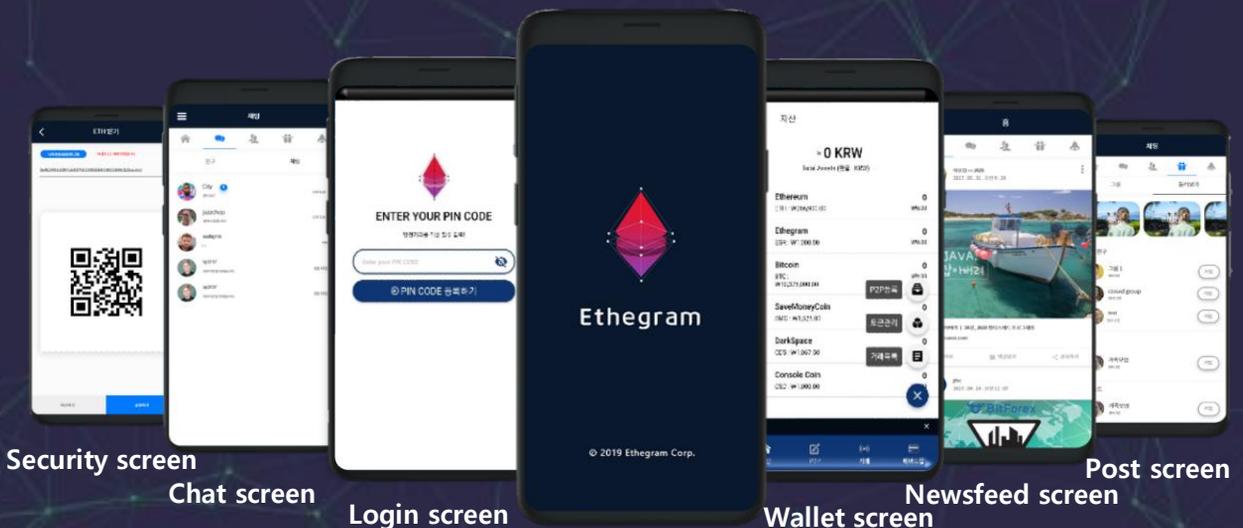
1. ETHEGRAM Platform Introduce

ETHEGRAM Platform



ETHEGRAM has applied an atomic swap technology that can swap between different coins as a platform for P2P transactions that have escaped the centralized coin exchange. We intend to increase the utilization and value of ETCT by establishing true decentralization and stably establishing cryptocurrency in real life.

In addition, messenger and group community functions were additionally developed to increase consensus among users and participation.



2. ETHECARAT Coin Introduce

ETHECARAT Coin (ETCT Coin) is provided as a bonus for ETHEGRAM membership and friend recommendation, and is used as a payment coin for use with Dapp and P2P transactions.

You can also prove your value by listing on the Coin Exchange.

ETCT Coin will be used as a key currency and transaction currency in ETHEGRAM, and is a general-purpose scalable coin.



Airdrop

When you sign up for
ETHEGRAM
Provide ETCT Coin



Recommended person

Through SNS in
ETHEGRAM
Provide ETCT Coin for
friend recommendations



Service payment

In ETHEGRAM
Dapp. Payment when
using service

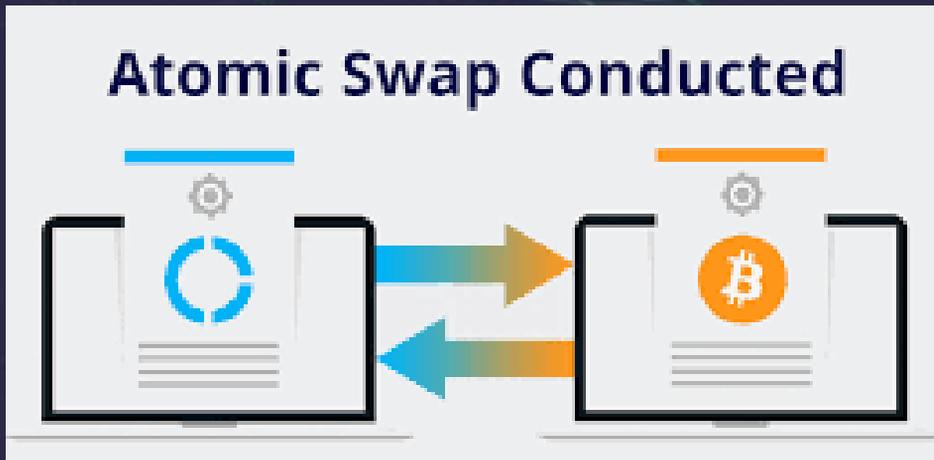


transaction fee

When trading P2P in
ETHEGRAM
Transaction fee use

3. Blockchain Tech

1) Atomic Swap Technology concept



- **Atomic Swap Technology**

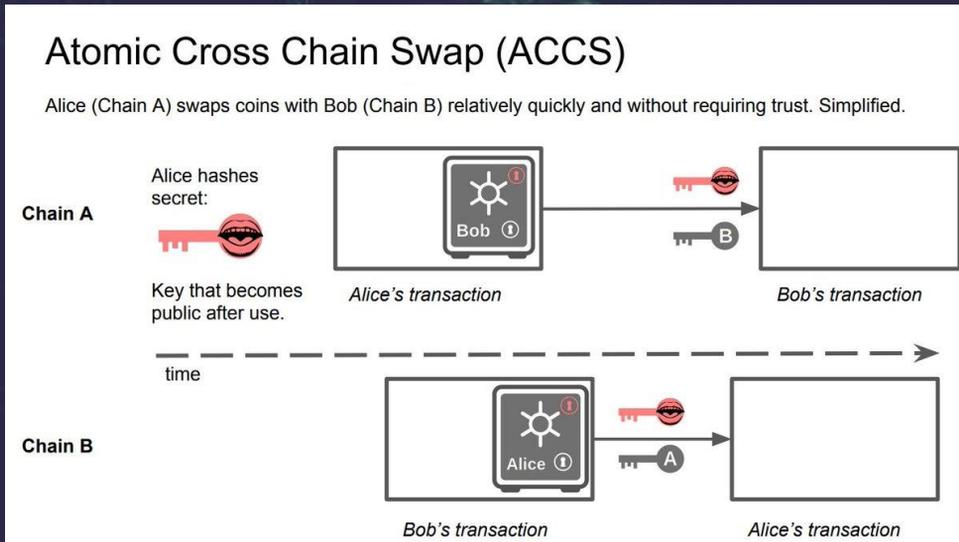
: Direct exchange between cryptocurrencies based on different blockchains without going through a centralized cryptocurrency exchange. Usually, to exchange coins between different blockchain-based heterogeneous coins, cryptocurrency exchanges are used. However, there are disadvantages of transaction fees and exposure to hacking risk. To avoid this, Atomic Swap technology is used when cryptocurrency owners want to exchange different types of coins directly between cryptocurrency exchanges.

- **Atomic Swap Characteristic**

: The most important thing in the Atomic Swap is the issue of trust in the trading partner: A and B agree on the exchange rate, A agrees to send 1 bitcoin to B, and in exchange B agrees to send 10 Litecoins to A. Assuming that, the problem is that trust in the counterparty is difficult to build. What happens if there is no information about the counterparty in a networked relationship, just knowing the other party's wallet address, and if one side sent the cryptocurrency but the other did not? In order to solve the other party's trust problem, in the Atomic Swap, the hash function applied between the two cryptocurrencies must be the same, it must be based on the "Hash Time Lock Agreement (HTLC)", and the "Lightning network" must be used.

3. Blockchain Tech

2) Atomic Swap algorithm



1) Alice generates a random value x and creates two smart contracts.

TX1 : (Both Alice and Bob signed) or (Random value corresponding to (hash x) x and Bob's signature) -> Smart contract to send Bitcoin to Bob

TX2 : If Alice signs within 48 hours ->

Smart contract that sends bitcoin back to Alice from TX1 smart contract address

→ Alice signs TX2 and delivers it to Bob

→ Bob received TX2, signed it, and sent it back to Alice

→ Alice propagates TX1 to the Bitcoin network

2) Bob created 2 smart contracts.

TX3 : (Both Alice and Bob signed) or (Random value x corresponding to (Hash x) and Alice's signature) -> Smart contract sending alt coin to Alice

TX4 : If Bob signs within 24 hours-> Smart contract that sends altcoin back to Bob at TX3 smart contract address

→ Bob signs TX4 and delivers it to Alice

→ Alice receives the TX4, signs it, and sends it back to Bob.

3) Alice executes TX3 (a smart contract that sends altcoins to their public key address) by revealing a random value x .

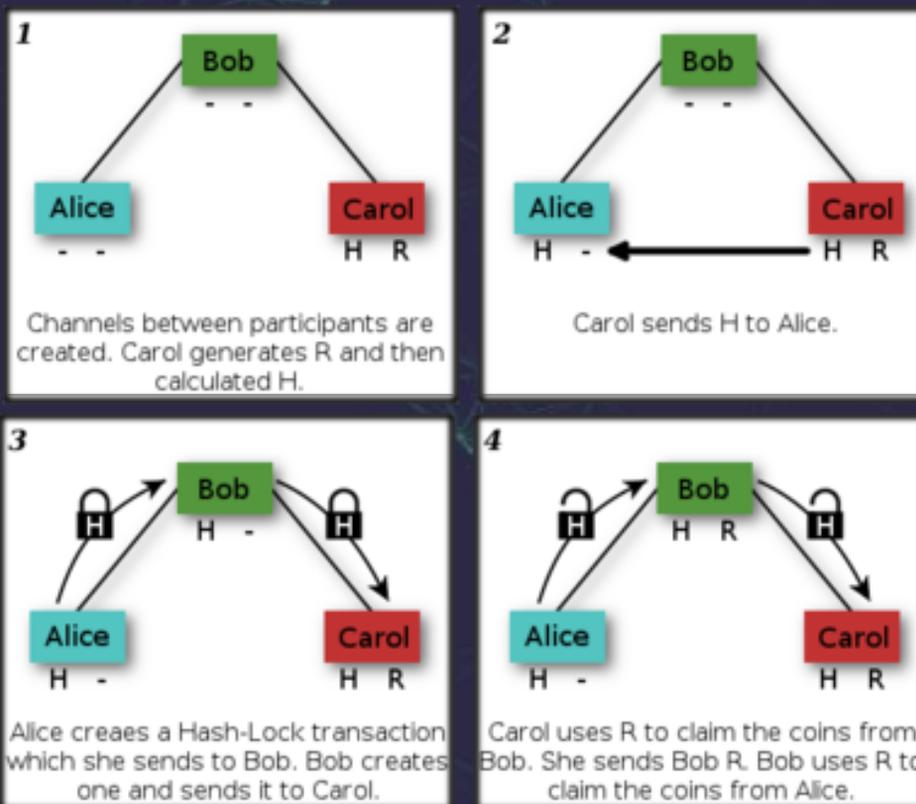
Bob uses Alice's random value x to execute a smart contract that sends Bitcoin to his public key address through TX1.

3. Blockchain Tech

3) Main technology

▪ Hashed Time Lock Contract, HTLC

: When two people exchange coins, a certain time is set, and if one side sends a coin but the other side does not send the coin within a certain time, the transaction is canceled and the coin received in advance is automatically returned.



1. A channel between participants is created. Carol generates R and then calculates H.
2. Carol sends H to Alice.
3. Alice makes a Hash-Lock transaction to Bob. Bob makes one and sends it to Carol.
4. Carol uses R to claim Bob's coin. She sends Bob R. Bob uses R to claim Alice's coin.

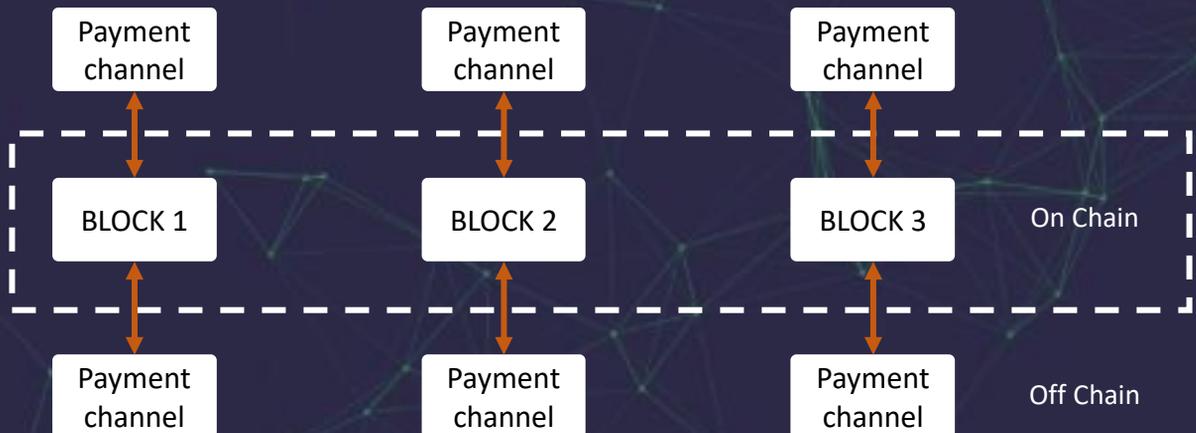
3. Blockchain Tech

3) Main technology

- **Lightning Network**

: By recording information that does not have to be recorded on the blockchain as an external payment channel, it is possible to compile transaction records on the off-chain and write only the results to the block, which can process thousands of Bitcoin transactions per second. Innovative technology.

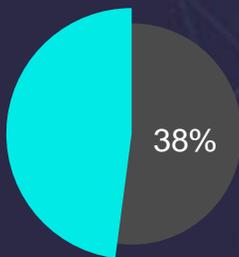
Since off-chain is not on-chain, it has the advantage of being able to freely create something with a collection of programs, easy to implement a safe system, and very fast.



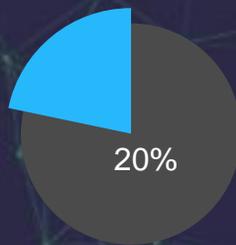
4. ETCT Coin Distribution

ETCT Coin issues a total of 20 billion coins and distributes and operates according to each required field.

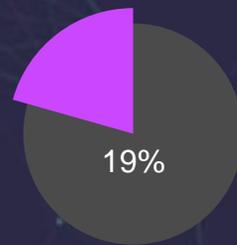
Distribution



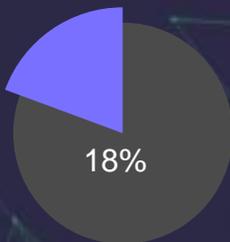
Rewarding
Token



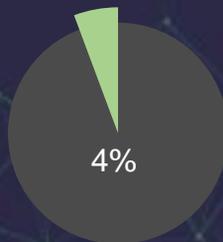
Team &
Company



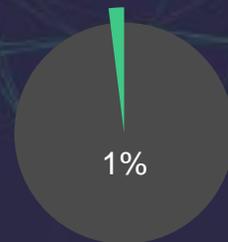
Marketing &
Development



Public sale



Supporter &
Advisor



Airdrop & Event

5. ETCT Coin Value Simulation

ETCT Coin Value Simulation



1. As the number of Alt Coins and users in the ETHEGRAM Platform increases, the value of the ETCT Coin also increases proportionally.
2. By 2021, it is aiming for Alt Coin 50EA and 150,000 users, and the volume of ETCT Coin is expected to increase.
3. In 2022, Alt Coin 200EA and global Alt Coin are also applied to recruit users from all over the world.
4. By securing Alt Coins and users around the world in 2024, ETHECARAT Coin will be used as austerity currency and service goods.

ETHECARAT Coin



The End