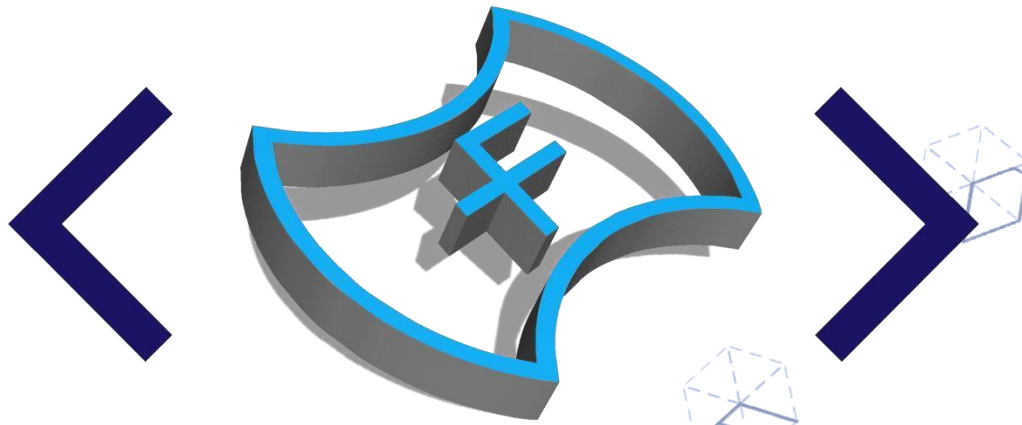
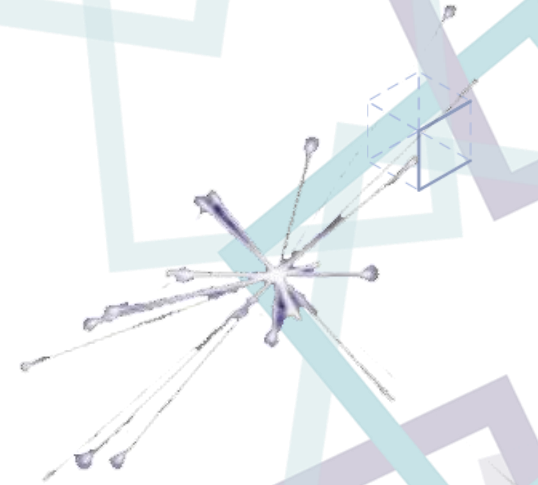




FACTOR MULTI-X BLOCKCHAIN



Technology introduction



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1 FACTOR MX BLOCKCHAIN



Factor is an Integrated Development Environment (IDE) and a decentralized operating system powered by a coin mining algorithm creating a blockchain.

What makes this operating system different is its ability to run all kinds of Decentralized application initially developed for other decentralized OS. (Ethereum , Neo , EOS)

Therefore Factor MX blockchain is the decentralized operating system that can run the most DAPPS.

Factor archives this with its innovative Factor Hash Function, running many hash algorithm and provides the user with high-speed, scalability, connectivity, and security.

This blockchain will play an important role in Fourth Industrial Revolution.

Blockchain is often referred to as 'distributed ledger' . .

In other words, it is a technology for storing and managing data in a decentralised manner.

Blockchain combines multiple transaction records to form a block of data. The hash values to connect the previous to the next block as in a chain, connecting all of the information together. Data are passed around the world by P2P method and stored in a distributed manner. It is also decentralised making all transactions reliable and secure.

1 FACTOR MX BLOCKCHAIN



In order to utilize the blockchain technology in the 4th Industrial Revolution, the main block must contain many hashes of new technology. This will enable users to conveniently use the blockchain, with a low cost, and high efficiency (according to the items of each layer).

There is currently so much data that is being tracked in our everyday lives, from simple things such as smart phones and social media, to major industries (such as the medical, food, scientific research, and in the public sector). This is growing more each day with expansion of the Fourth Industrial Revolution.

The Factor MX Blockchain can be used to track all of this information and make what was previously unavailable easily accessible. The quality, speed, and security of the Factor MX Blockchain makes our technology one of the best ways to gain access to and interpret all of this previously inaccessible information, serving both industries and the general public.



Q Scalability (Connectivity)

1) If MX Blockchain and existing coins (Bitcoin, Ethereum, Neo, Quantum, etc) are connected, then the original functions of the coins are maintained, while allowing more Factor functions to be used.

2) The MX block has many patented algorithms and can be connected to the DApp for each ecosystem user and optimized for each different use.

3) The Factor can be added to the main block so that it can be used in all ecosystems and all types of software.

This blockchain is designed for the future. It is able to grow together with the development of 5G, both in speed and in communication.



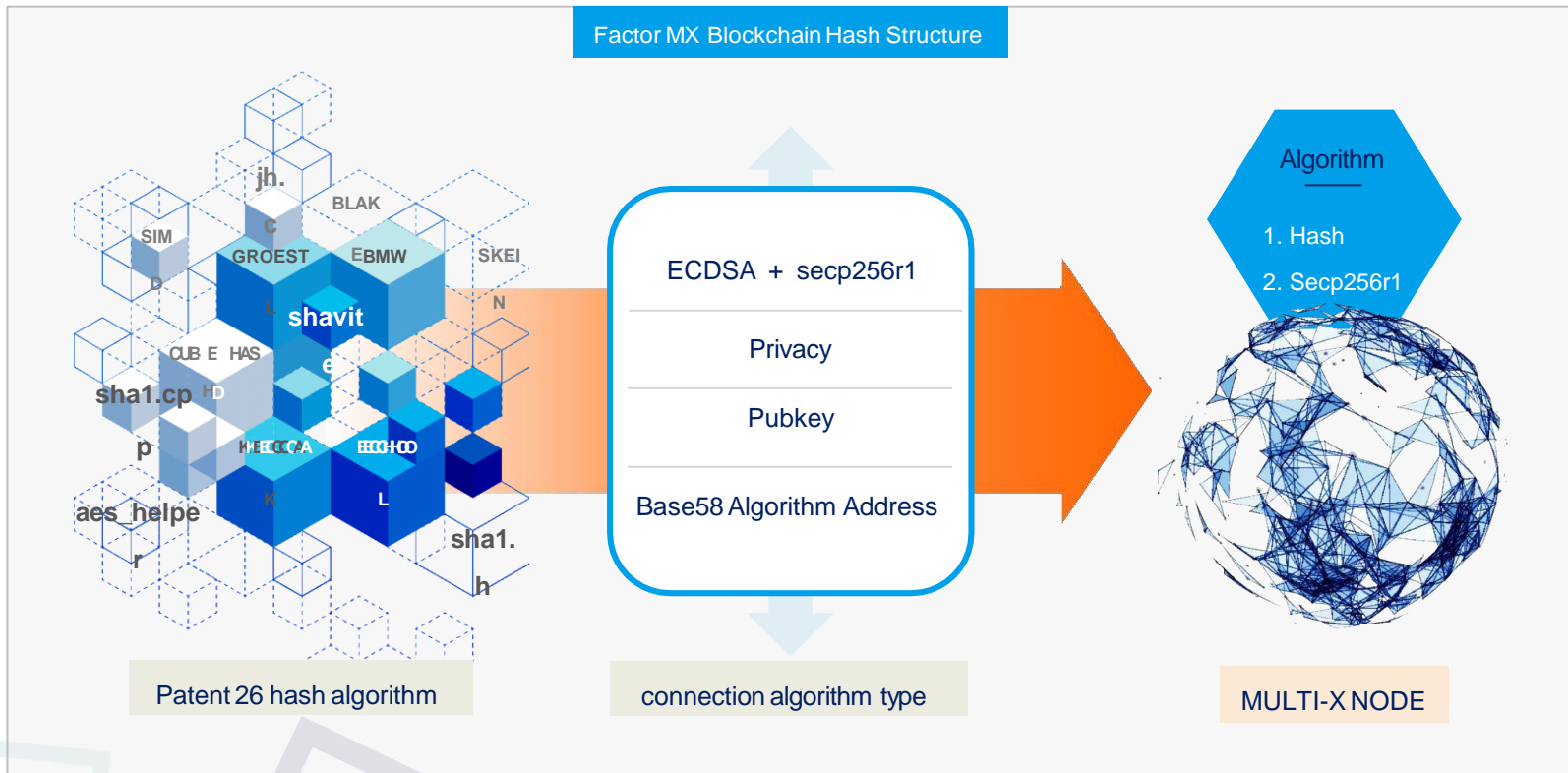
3 Speed



1. The node selection method of Factor is a patented node update technology, speed accelerates as the number of nodes increases.
2. 12,000 times faster than Bitcoin synchronisation, the more users participate, the higher the limit the system can support. A block is created in around 1 second.
3. As software technology develops due to the development of quantum computing, the current blockchain could become vulnerable.
The MX Blockchain is designed to be able to handle attacks from DDOS, to quantum computing attacks. Factor security systems are able to deal with all security threats.
4. The MX Main Blockchain has a speed algorithm that is much better than existing blockchain. The Factor MX Blockchain is passed on a different algorithm-based technology, seed node, which allow high TPS.

1. The blockchain is encrypted through Proof Of Work (POW), so it is safe from hacking.
2. In order to protect against the concentration of miners due to (POW) mining method. A masternode (POS) is added to the MX Blockchain, it is designed to improve safety of node by maintaining decentralisation of miners.
3. The Factor MX Blockchain has a security function attached to each hash. Security is fundamental to both general security and quantum computing (NSA also uses the same security method).
When connecting to Factor Blockchain from the outside, the Oracle session is also secured. Oracle has excellent mobility protection and therefore used with the multiple hash algorithms it provides and incredible security. The Factor Technical Team therefore claims that it can guarantee the highest level of security.

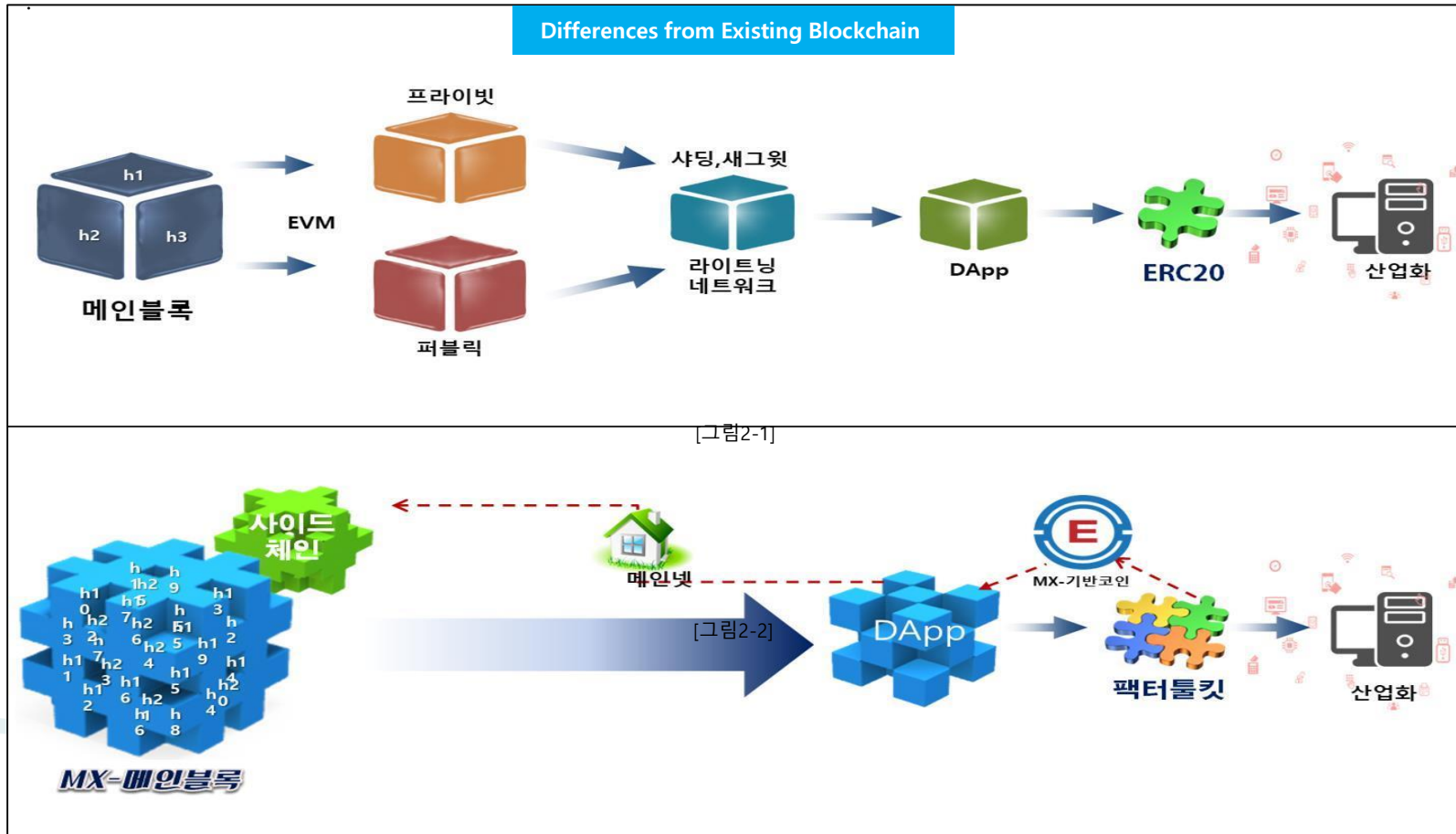
Factor is an Integrated Development Environment (IDE) and a decentralized operating system powered by a coin mining algorithm creating a blockchain.



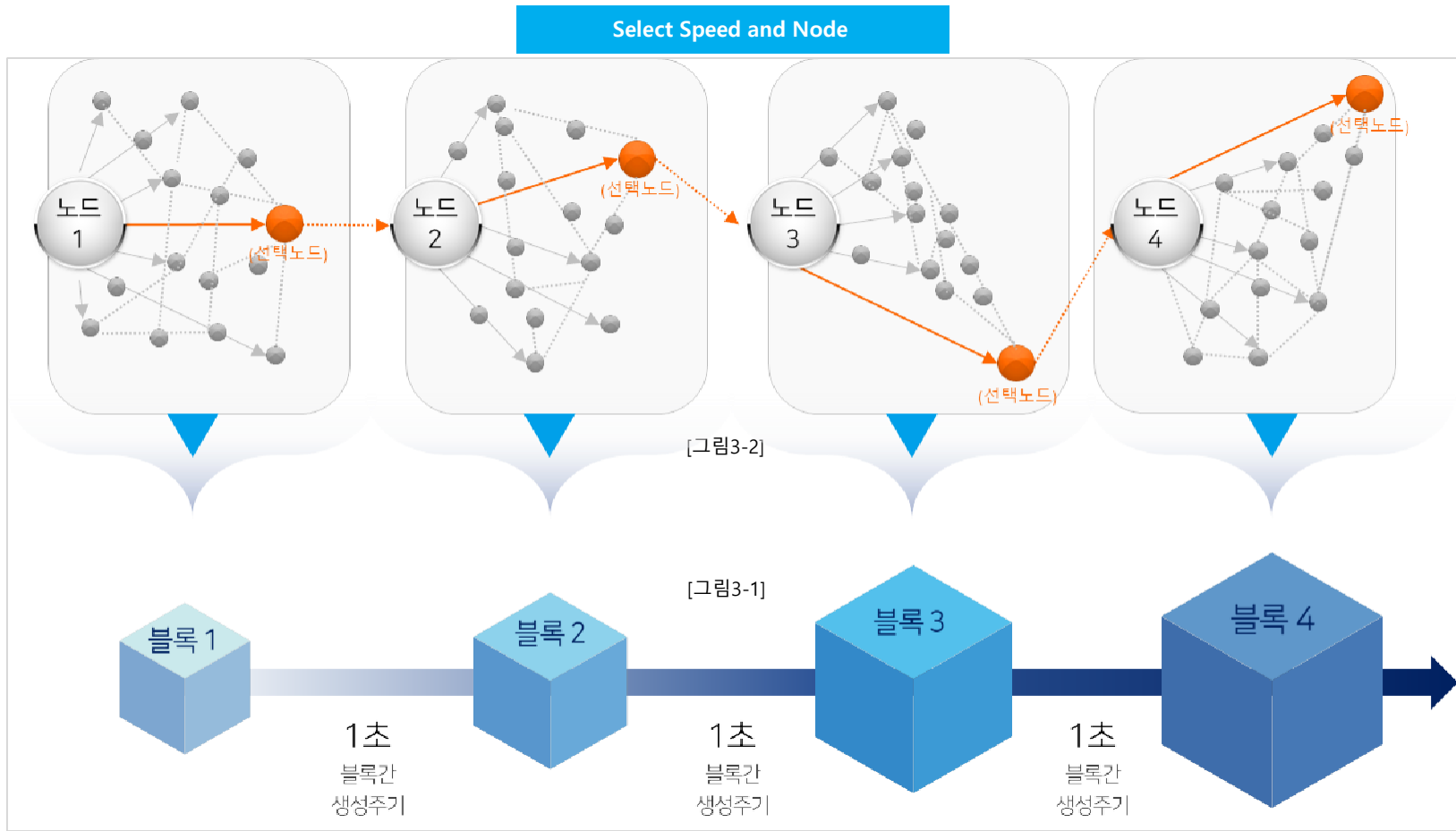
[Figure 1, factor MX blockchain hash structure]

Multi-X-blockchain includes 26 patented hash functions within the main block and, 26 hashes are connected by the algorithm in Figure [1]. Factor Blockchain connected to the multi-X node as a way of Secp256r1 key multi-connecting method.

As shown in Figure 2-1, Bitcoin would cost a lot to increase the speed and scalability of the side blockchains connected in the main block, adding Lightning Network, Sharding or Sewitt. In addition, coins with DApp are applied to industrialization using the ERC20 function. This is a blockchain by a single method of Bitcoin and is similar to Ethereum, Neo, Quantum etc.



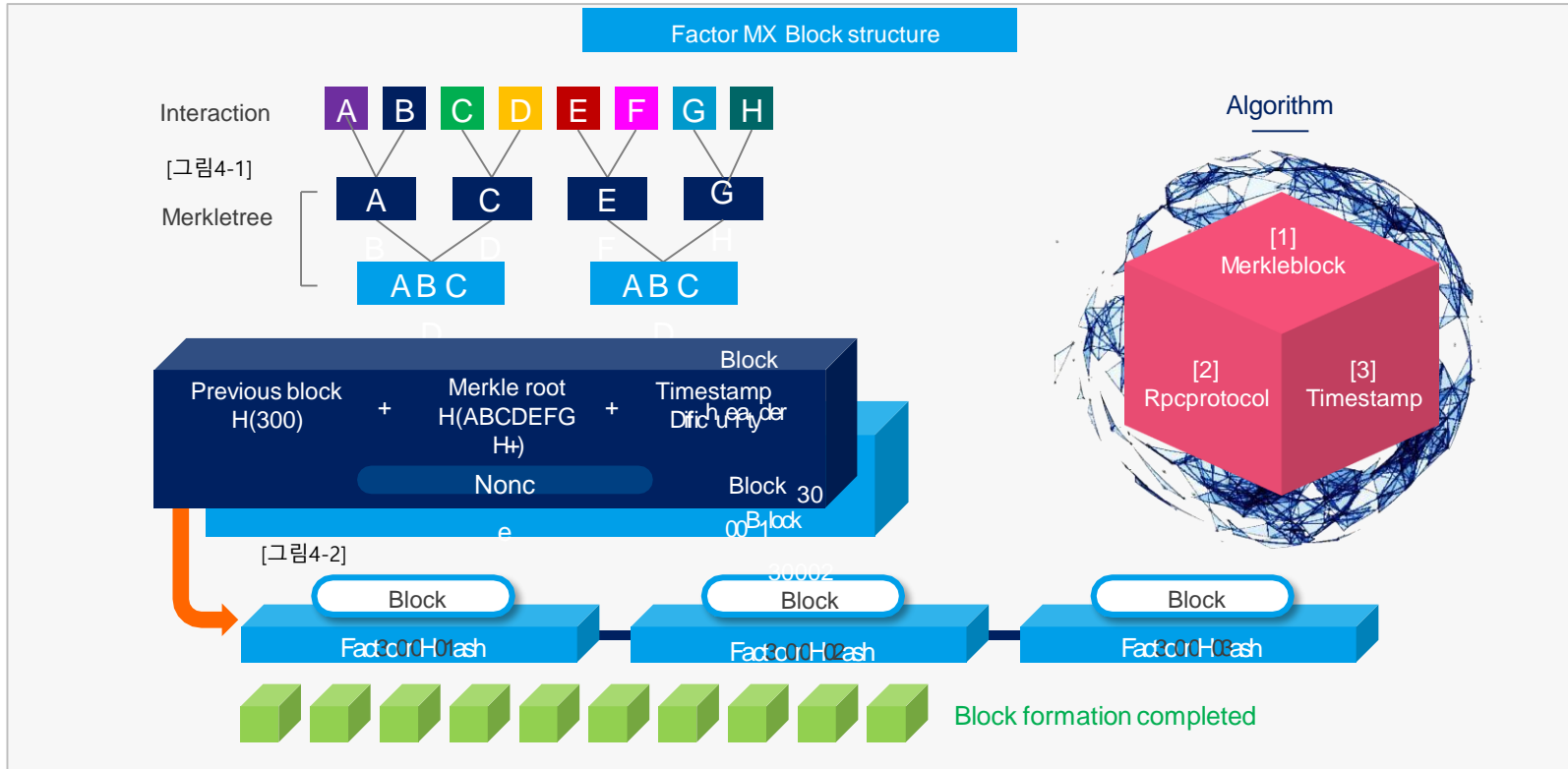
The factor blockchain is integrated into one blockchain through multiple algorithms, as shown in Figure [2-2], because it connects the functions of other existing blockchains in the main blockchain of the MX block chain.



When blocks are generated, the Factor MX Blockchain uses the patented spread method, which makes nodes selected depending on speed priority. [Figure 3-1] As nodes are connected, node 1 connects to Node 2 and quickly to Node 3, which is progressively faster as the number of nodes increases. [3-2] In addition, unlike the serial method of the existing block chains, the parallel method of the MX node is to increase the speed of the node gradually.

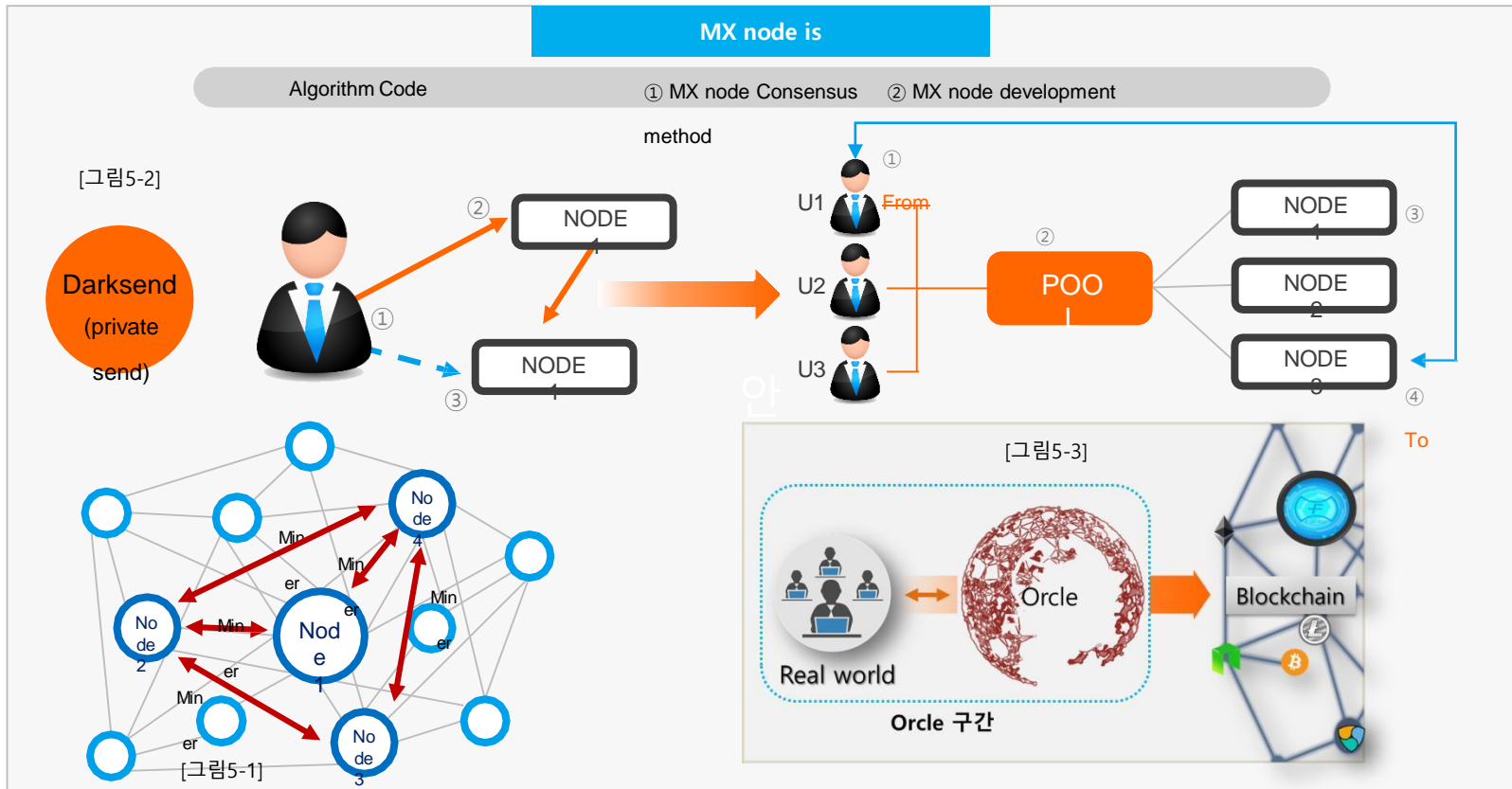
Hash & Merkletree

quick problem solution and powerfully encrypted block formation



Factor block chain has a Merkle tree organically connecting A, B, C, D, E, F, G, H hashes. If the information in the Merkle tree A changes, the information A in another combination is compared quickly to prevent the information A from being tampered. Picture [4-1]. The block information + Merkle tree + timestamp + nonce value form a block [4-2].

Factor blockchain generates blocks more securely than conventional blockchains because it finds a forgery twice with a variety of hash values.



The Factor blockchain consists of 3 types of nodes: a mining node, a master node, and a normal node. When connecting nodes, the mining nodes and master nodes are connected to each other. The mining node serves to maintain the hash rate power on the network, and the master node contributes to maintaining network connectivity and speed. These features are combined with the Factor MX blockchain, which maintains speed, connectivity, and security. Figures [5-2] The Factor private sand is a feature that maintains anonymity when transferring through multiple nodes. Figure [5-2] When nodes are connected from external environments, Oracle section can be strongly secured with the Factor security algorithms against quantum mechanics.

1) Hyperledger

Hyperledger is based on blockchain development hosted by the Linux Foundation to create a blockchain technology that can be applied across industries such as finance, IOT, logistics, manufacturing, and technology industries. The goal of Hyperledger is to provide a universal technology standard for various industries.

Hyperledger features include: distributed ledger framework, smart contract engines, client library, utilities, graphical interface, and sample applications.

This hyperledger strategy is designed to strengthen the community by using common infrastructure elements, leading rapid technology development.



2) Nexledger

Nexledger (developed by Samsung SDS) is based on Hyperledger Blockchain. Nexledger was design as the next-generation of blockchain.

It is a public blockchain platform with real-time trading, smart contracts and a management monitoring system. It is used in finance, manufacturing, logistics, and the public sector.

In order to solve the transaction processing speed, which is a weak point of the blockchain technology, Samsung SDS has developed the Nexleger acceleration technology.

Since IBM created Hyperledger, and since the Nexledger acceleration technology designed by Samsung runs on hyperledger, the acceleration technology can be applied to IBM's public blockchain platform running on hyperledger.

Only the confirmed contributors can join the next ledger blockchain and make DApp based on the hyperledger blockchain. Therefore, Nexledger only accepts trusted contributors, and it can block the security problems of unspecified node.

Technology-based P2P data networks are linked to form FIDO, CX, cloud infrastructure, and real-time processing. Nexledger is a differentiated platform that reflects the requirements of enterprises.

The Nexledger platform provides distributed data and application Programming Interface APIs, enabling global expansion without constraints, high operation and maintenance efficiency.

3) Factorledger

Factorledger is based on the Factor MX Blockchain. It has almost the same function as Hyperledger and is very similar in its operations,

We developed our own platform connected to the Factor MX blockchain, called Factor Ledger.

Factor Ledger has many functions, so can easily be used for a variety of business applications.

It can be used for many purposes in real life. For example, animal tracking, bonds, car auctions, digital property, fund opening, trade transactions, letters of credit, gaming, food management, identity cards, exchanges, vehicle maintenance, etc...

Our Factorledger has already solved the problems of speed and scalability which Samsung attempted to apply to the function of the hyperledger. This is already being utilized by users.

5 MX Blockchain Industrialization Tech



Factorledger is an MX blockchain-based platform that can be easily modified and developed.

There are many differences between the Factor Blockchain and the Hyperledger Blockchain (developed by the Linux Foundation)

Also, Factor Blockchain can solve the consensus problems of Hyperledger and hyperledger blockchain problems are also solved by factor Blockchain.
These are some of reason the differences between Hyperledger and Factorledger to apply to Dapp system.

Because the functions of other industries can be included, Factorledger is able to therefore build a variety of new ecosystems.

For the reasons mentioned above, if we compare Factorledger to both Hyperledger and Nexledger, we can see there is a great difference in functionality.

4) EOS

The underlying technology of EOS raises security challenges. With the existing 21BP node selection, there are high costs for users on the EOS Platform.

Factor Blockchain can solve this cost problem of selecting 21 BPs (nodes) and the security problem of a small number of 21BPs (nodes) by implementing a system where POW and POS can be used together.

By using the EOS module of the Factor MX blockchain, it is possible to use the Factor Blockchain in connection with EOS. Therefore, it is possible to run EOS applications on Factor. .

The problems with the high-cost, low-speed of EOS technology can be solved by the low-cost high-speed technology of Factor.

Factor provides higher security if hacked, and by being more decentralised it greatly reduces the risk of the entire network being affected.

5) Ethereum

It is well known that Ethereum is struggling with scalability and speed issues.

Many coins are based on Ethereum ERC20 tokens, which are connected to the existing Ethereum network. They all have the same problem, where all the tokens suffer from Ethereum's scalability and speed issues.

But, if developers connect to the Factor MX Blockchain DApp, the Factor main block comes equipped with 26 hash functions. It is able to run the same token on the Factor Blockchain. The scalability and speed issue of the Ethereum tokens is therefore solved.



6) Neo

Neo uses Byzantine Fault Tolerance based on SHA-256 and RIPEMD160 hash algorithms.

Neo also has many problems with slow speed, scalability, connectivity and security.

In particular, there are a lot of compatibility problems in the connection part between the blockchain and the Oracle session.

In the Factor MX blockchain, the 256r1 connection is used in the main Factor Bblock and the hash algorithm of Neo is one of the 26 hash functions supported. This means that the connection with the Oracle Session is improved.



7) Graphene

The Factor Graphene module is a cost-effective blockchain solution for the exchange of distributed assets.

The Industry requires performance and scalability, active account acceptance, wages payments, compensation programs, user assets, stakeholder-approved project funding, convertible assets and delegated Proof of stake (DPOS) consensus.

User-asset (UIA) systems allow intangible assets to be incorporated into tokens, and assets to be divided. In addition, if you want to use the blockchain for business, the access can be restricted to only authorized users, thanks to active user accounts management used in a variety of business application (BAs).



6 Factor game



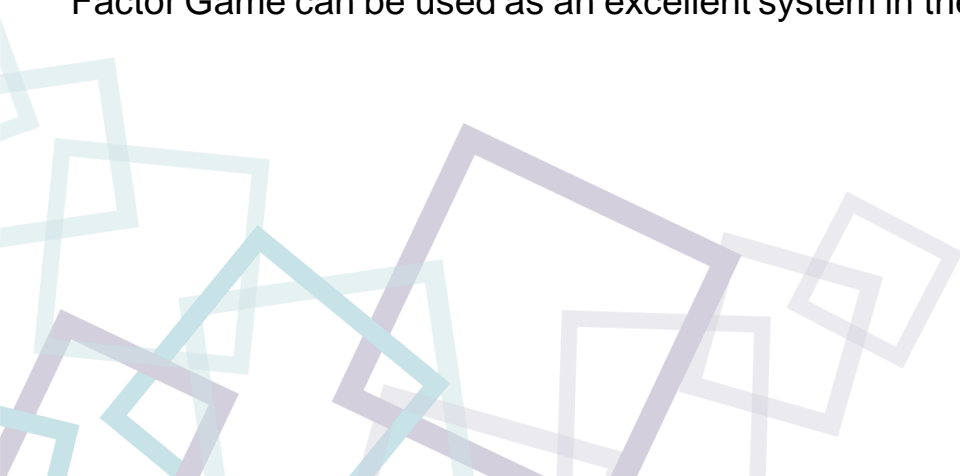
Factor Game is

Already the following games are running on Factor Blockchain: Time Maplestory, Mu, Ragnarok, Lineage (and more) are running on Factor Blockchain.

By using cryptocurrency inside the game (e.g. for gaming items) it can prevent the value of the game item from falling down. Potential fraud can happen when purchasing items on marketplaces such as eBay. Factor cryptocurrency solve this problem, and Factor technology can be applied to any game company.

Factor technology will prevent game fraud issues, as well as other potential security problems.

Factor Game can be used as an excellent system in the large-scale game market.





THANK YOU

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