SBCC

Block Chain Platform

[Smart Block Chain City]

A blockchain suitable for a smart city must have security technology superior to the IoT technology that is currently being developed and developed, and special technology, infrastructure, and protocols for each field for industrial automation. Blockchain technology using SBCC's Wall Pad is a content-based network system developed to break away from the existing IoT system and improve security and performance. It is a paradigm of a new concept that uses the autonomy that has been established.

ABSTRACT

Smart cities are expected to grow rapidly in the future by integrating 4th industrial technologies such as ICT and big data into cities to solve various urban problems and form a market worth KRW 1,000 trillion by 2026.

Smart Blockchain City(SBCC) is a blockchain infrastructure construction project that will serve as the foundation of smart cities. It becomes possible with Smart Wall Pad app that is advanced version of existing apartment interphone which performs functions such as *controlling the IoT device at home, *service management at residential complex, *participation in residents' community, and *participation in local commerce activities. Here, SBCC tokens are used as payment and compensation means, while it also combines key components of Web 3.0 era which are token economy and decentralized autonomous organization, DAO. The Smart Wall Pad app is a mobile phone app version of advanced interphone attached to the wall of each home. It allows following activities within the living area of resident beyond allowing access and contacting management office of apartment complex performed by the existing interphone.

* **Controlling IoT device at home :** Control of visitor's access, heating, ventilation, electricity, gas, water, various IoT home appliances, etc.

* **Service management at residential complex :** Payment of residential complex management fee, management of parking and visitor's vehicle, CCTV monitoring, unmanned delivery, etc.

* **Participation in residents' community :** Use of community facilities, participation in marketplaces, hobby club, DAO etc.

* **Participation in local commerce activities :** Getting offered discount coupons for nearby stores, making online payment, joint purchase, crowdfunding for local small business, etc.

In these activities, the SBCC token is used as a means of compensation or payment, creating a solid token economy. First, the SBCC token is given to the user as a reward for DAO activities. DAO is a decentralized decision-making organization created by residents of the same apartment or city to improve their living. It provides reward with SBCC tokens to those who make good suggestion supported by others, those who participate in voting, operating DAO and implementing decisions made in DAO. In addition, the more you participate in community or community-based commerce activities, the more cashback you can receive with SBCC token. On the other hand, SBCC tokens can be paid for administrative fees or using community facilities, transaction in residents' market, fee to hobby club, online payment and joint purchases in surrounding local stores. These are various use cases for SBCC tokens, which form virtuous cycle of supply and demand of SBCC token.

SBCC is built on Binance Smart Contract which shows fast processing speed and applies load balancing technology that distributes traffic to avoid overloading on a single server. It can also run on multiple operating system as the next-generation blockchain.

To sum it up, SBCC is a next generation blockchain that ushers in Web 3.0 era by combining △token economy(which forms virtuous cycle of supply and demand of token within the ecosystem), △ gamification(X to Earn economic model), and △DAO(transparent and democratic decision-making) that guarantees high-performance and infinite scalability.

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PART 1.0

MARKET STATUS

MARKET STATUS

1-1. Problems of Existing Blockchain & Solution

PROBLEMS WITH EXISTING BLOCKCHAIN TECHNOLOGY

The biggest advantage of blockchain technology is that it can be shared with many with just one time data generation. It can be generated easily with discrete node on the web while rendering itself impossible to manipulate due to the fact that each record contains its own hash. Block created by nodes is connected one by one and form chain which is impossible to doctor. Each transaction record or block cannot be changed discretionally and is guaranteed security thanks to connection with all other blocks. Basically, blockchain make manipulation of transaction record impossible, along with transaction taking place based on users agreement. Therefore, it can be said it is the safest among any networking technology.

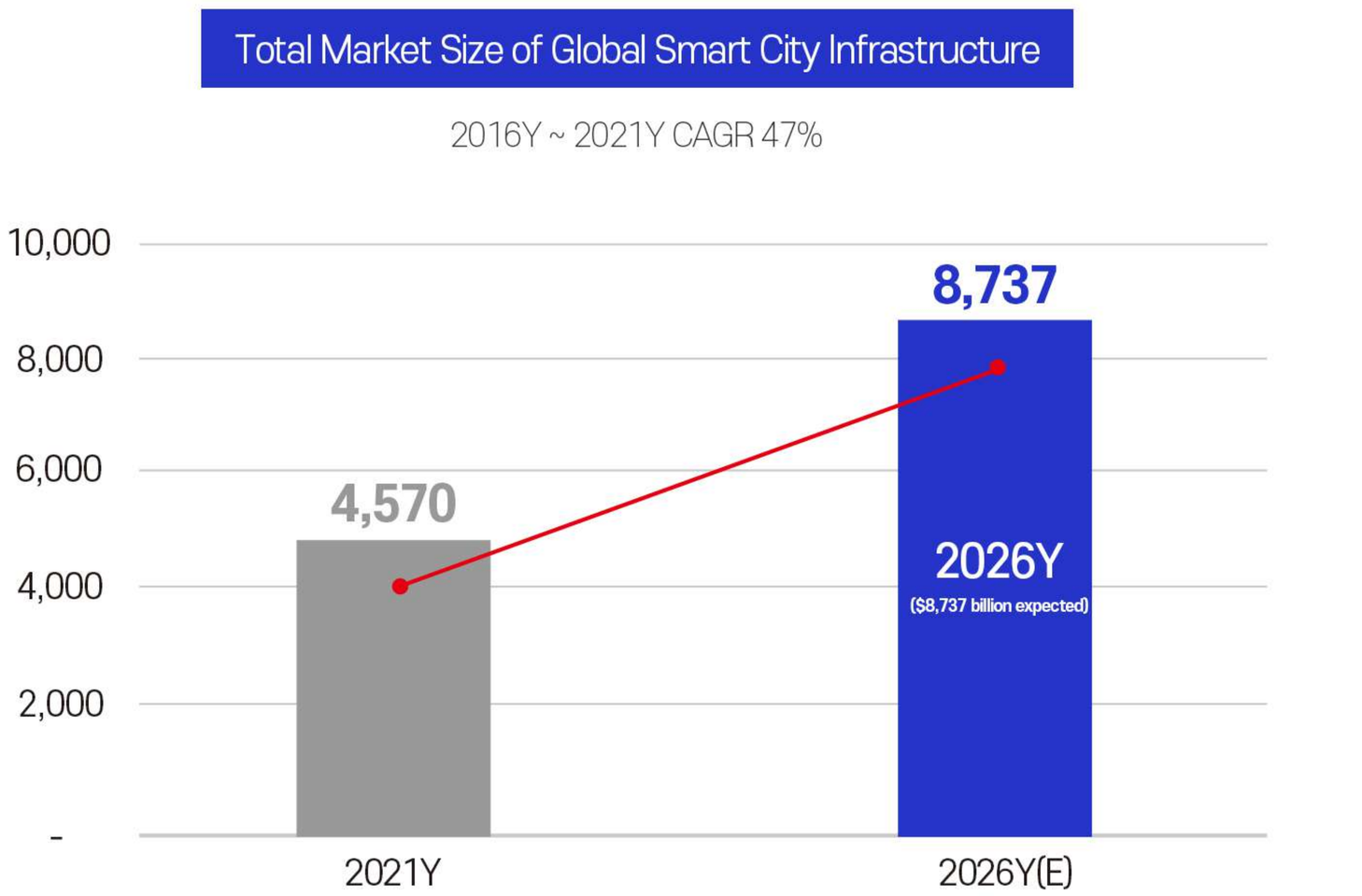
However, it is true that current blockchain technology relies on application software and encryption technologies. Among the hundreds of startups that develop and provide blockchain technology today, not a few use algorithms that have not yet been verified. “Technology like blockchain is not broken by hacking. Rather, it is more likely to be broken by a software vulnerability.” As such, blockchain technology, which is perfectly secure, is at the risk of collapse due to loopholes in the company’s immature service algorithms and software technologies.

SOLUTION PLAN

SBCC wants to solve various problems of existing blockchain technology with SBCC’s own technology and security algorithm. The SBCC adopted Binance Smart Chain which allows execution of smart contract while maintaining high processing speed. Also, it achieves block time of less than 3 seconds with PoSA(Proof of Staked Authority) consensus algorithm, and applies high technology such as load balancing which prevents traffic concentration on a single server. In addition to the hacking-proof structure of blockchain due to having no single point of failure, it applies CCN technology which uses content as networking subject without internet address away from the host-centric structure, and plans to implement scalability that runs on multiple operating systems.

1-2. Market Status of Global Smart City

THE WORLD SMART CITY MARKET WILL EXPAND TO 1 TRILLION USD MARKET



[Source : KDBFuture Strategy Research Institute]

GLOBAL SMART CITY MARKET STATUS

The Industrial Technology/Research Center of the KDB Future Strategy Research Institute said that smart city projects in developing countries such as China and India are rapidly expanding and global smart city market will continue to grow over the next 10-20 years to reach 1 trillion USD market by 2026. Smart City is a solution that solves various urban problem by adopting 4th industrial technologies such as ICT and big data to strengthen competitiveness of the city. Smart City projects are actively underway especially in developed countries in Europe.

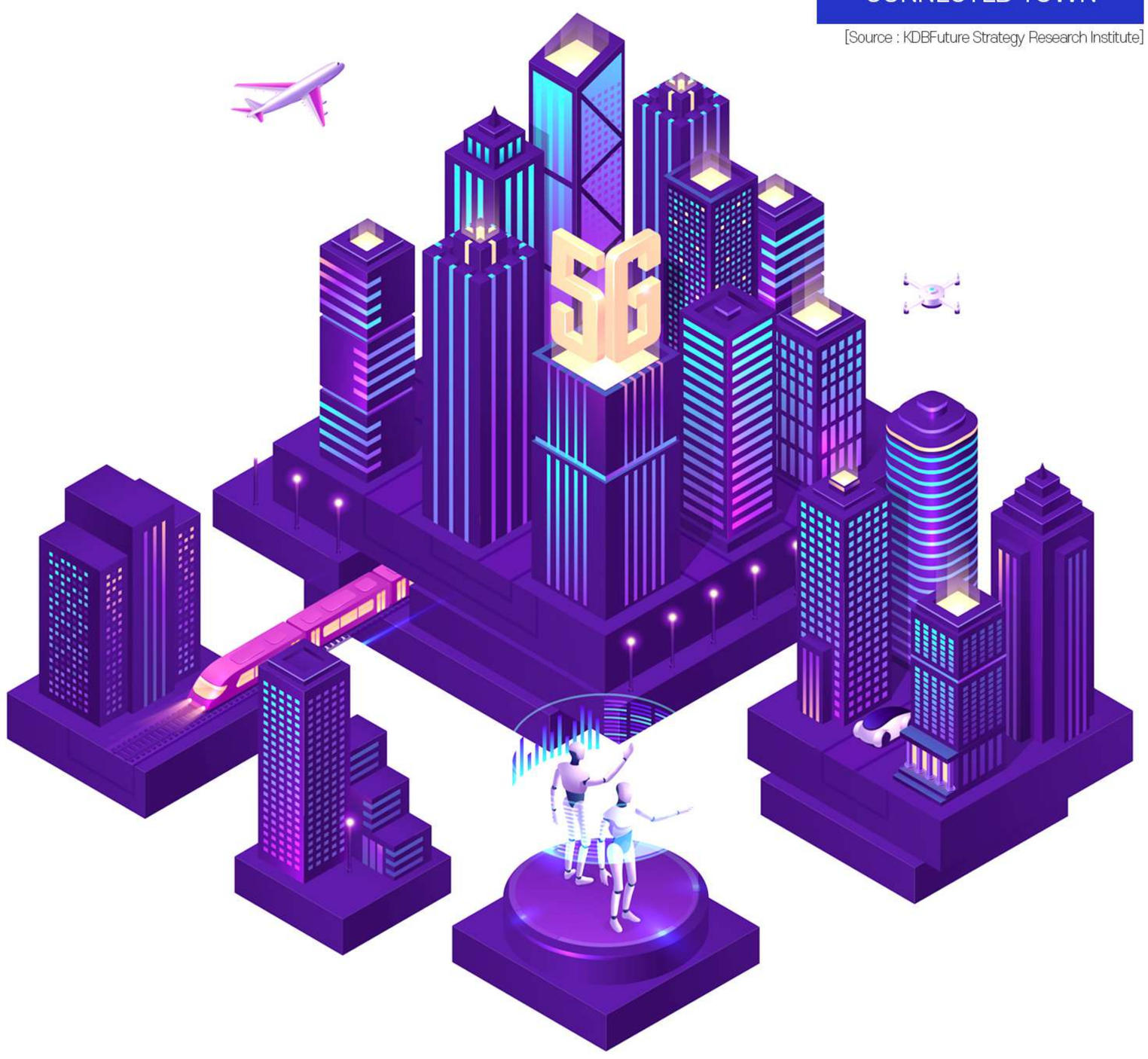
Major projects by city includes digital identity authentication, smart parking, smart trash bin project in Singapore, smart transportation and green city project in Zurich, smart transportation, smart healthcare, smart medical business in Helsinki, open data sharing portal, smart healthcare, environment-friendly park project in London, opening public data, establishing IoT networks, digital twin project in Seoul. Among them, Singapore and Switzerland are deemed to have established world-class smart city infrastructure while competitiveness of Korean smart cities are also steadily increasing.

1-3. Market Status of Korean Smart City

SEJONG 5-1 LIVING AREA IN SEJONG CITY IMPLEMENTING SMART BLOCKCHAIN CITY

CONNECTED TOWN

[Source : KDBFuture Strategy Research Institute]



Energy	Transportation
Electric Vehicle Charging Infrastructure Gas Waste heat linked Smart Grid Microgrid Utilizing Renewable Energy	Smart parking, self-driving shuttles and taxis Multi-level Public Transportation Information Linkage Traffic Conditions Customized Signal Control
Living & Welfare	**Water management**
Smart Home, Smart Waste Disposal Smart Security Monitoring Smart Healthcare	Smart Water Grid Utilization and management of eco-friendly water resources Predicting and responding to disasters

DOMESTIC SMART CITY MARKET STATUS

The smart city environment in Korea is expanding and growing as a convergence environment where not only devices such as PCs and smartphones, but also home appliances such as refrigerators and washing machines, and non-home appliances such as door locks and gas detectors connected to the Internet is being established.

Sejong City(Sejong 5-1 Living Area) and Busan City(Eco Delta City) are representative smart blockchain city under proceeding. Since the two cities were selected as the national pilot cities for smart blockchain cities in January 2018, basic plans and detailed implementation plans related to urban development have been sequentially announced, and recently, service roadmap briefing session, smart energy city business strategy conference, Busan smart blockchain city industry strategy talk concert with citizens were held to collect opinions of citizens and companies.

In addition, Suwon City, Goyang City, and Yongin City, in Gyeonggi Province are promoting various projects aimed at building smart city and designing future city where telecommunication infrastructure is connected to every corner of the city to strengthen urban development and safety of citizens.

1-4. Problems & Vision of Global Smart City Industry

GLOBAL VISION AND PROBLEMS OF THE SMART CITY INDUSTRY

The current smart city market and IoT technology are evolving every day around the world. Smart cities are no longer at the planning stage or at the level of introducing their future visions, and they are like organisms that continue to develop every day around the world. Smart money, which is closely related to this smart city, needs an environment where we have a "common currency system led by cryptocurrency. " In this environment, a reliable blockchain platform is essential in all aspects, and the current smart city platform environment has the following problems.

PROBLEMS OF CURRENT SMART CITY PLAFORMS

1 Because today's smart city platforms are not end-to-end systems with governance, traceability, reliability and dynamic performance, achieving any of these in a short period of time will require a lot of coordination and confusion worldwide.

2 Today's IoT operates on industrial Internet and smart city devices, but it is not fully developed yet and lacks a lot of infrastructure.

3 Although TCP/IP & Industry 4.0 is a major protocol for smart city design worldwide, it needs significant improvements in security issues, speed, and stability.

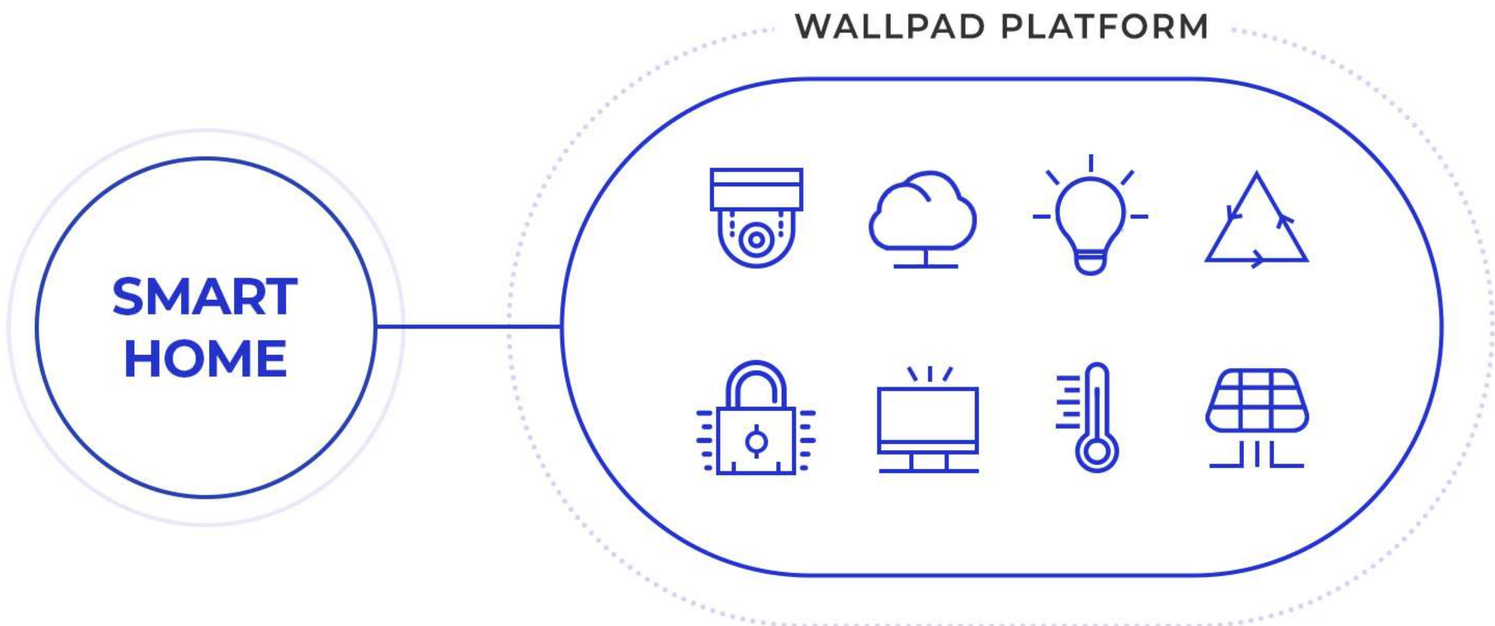
4 It is said that "high performance can be achieved by improving H/W and S/W", however, the ultimate solution requires new disruptive paradigm which can completely overcome existing problems while not causing problems related to TCP/IP

1-5. New Alternative, SBCC

SBCC SMART BLOCKCHAIN CITY PLATFORM

The SBCC platform provides a wallpad platform with blockchain technology-based load balancing dynamics for all movements and objects on the smart blockchain city. The current Internet is not safe as a platform for smart cities because it consists of millions of fragmented systems rather than one system.

Internet systems consisting of more than millions of systems are significantly unreliable and insecure and therefore it is not performing desired functions such as overall environment control and content security in order for operation of smart city. However, SBCC's wall pad which shows advanced technology and service, can perform desired functions and set decent environment for smart city beyond providing smart home service.



SBCC is an engine that each generation and world communicate rather than being controlled by a specific few. Therefore, it is designed in a way that can evolve through the use of residents who has access to wall pad. It is a two way platform where users actively participate in both supply and consumption. SBCC wall pad platform ‘PYLON’ users can share various types of data through wall pad including daily ideas and these data can develop into various forms including technology development, investment or getting feedback from users.

The biggest strength of the blockchain industry is that it is recorded in the distributed ledger, which is transparent to everyone, with open source that allows communication and transactions between people without centralized institutions, operators, or distributors. Based on these strengths, blockchain market is evolving day by day, and cryptocurrencies that are already specialized in certain industries continue to emerge. There are cryptocurrencies aimed at commercialization by emphasizing the possibility of actual use, such as cash and types of securities, and many other cryptocurrencies made for other reasons are also emerging.

Smart Blockchain City and SBCC token will realize utmost convenience and technology of future generation in proximity to our daily lives which has never been felt before. Its focus is on ‘high-performance technology, advanced security and infinite scalability’ that will enable more possibilities and potential for users.

PART 2.0

BUSINESS INFO

BUSINESS INFO

2-1. SBCC Project Overview

SBCC PROJECT OVERVIEW

Smart cities are expected to grow rapidly in the future by integrating 4th industrial technologies such as ICT and big data into cities to solve various urban problems and form a market worth KRW 1,000 trillion by 2026.

SBCC(Smart Blockchain City) is a blockchain infrastructure development project that is the foundation of smart cities. It is smart city life infrastructure in the era of Web 3.0 which has adopted token economy which utilizes token as payment and compensation method and DAO, decentralized autonomous organization. This becomes possible with Smart Wall Pad App 'PYLON' which is an advancement of apartment complex interphone through which one can **△control IoT devices at home, △manage residential complex services, △participate in residents' community, △participate in local commerce activities**

+ Control of IoT devices at home: Control of access, heating, ventilation, electricity, gas and water management, and control of various IoT home appliances, etc.

+ Residential complex service management: Payment of maintenance fees, management of parking and visiting vehicles, CCTV monitoring, unmanned delivery, etc

+ Participation in residents' community: Use of community facilities, participation in residents' marketplaces and hobby clubs, participation in DAO, etc

+ Participation in local commerce activities: Use of discount coupons in nearby stores, online payment, joint purchase from nearby store, crowdfunding for local small business, etc

The purpose of SBCC is to promote interaction between neighbors for their co-prosperity. At residents' marketplace, used goods and services such as baby sitter and pet care are traded with SBCC token. Transactions between neighbors are more reliable and if any dispute arises, DAO can intervene and mediate settlement. On the other hand, it is also possible to jointly purchase from fruit shop, gym, delivery food, etc. as local commerce activities. In addition, it is possible to participate in crowd funding for local small business and receive revenue dividends. In the future, it will develop into a DeFi platform that provides services such as loans and deposits.

SBCC PROJECT OVERVIEW

In the SBCC platform, important decisions are made transparently and democratically in the DAO, a decentralized autonomous organization of residents, and key contributors who operate the DAO and implement the decisions are rewarded with SBCC tokens. If the consensus exceeds a certain number on an anonymous bulletin board, it must be reviewed by the DAO, and issues that must involve government organizations such as Si or Gun can be filed jointly.

There are already similar regional-based services such as apartment complex apps and used goods trading platform, but SBCC differs in that it has adopted **△Token Economy(a mechanism in which production-consumption forms virtuous cycle within the platform), △Gamification(Encourage usage through X to Earn model), △DAO(transparent and democratic decision-making body) to present new paradigm in Web 3.0 era.**

2-2. SBCC Token Economy

SBCC TOKEN ECONOMY

We want to use SBCC token as a means of compensation or payment within the SBCC platform and build a solid token economy in which supply and demand of SBCC tokens create a virtuous cycle.

The SBCC token is used as a means of compensation or payment as follows.

SBCC Token Rewards

- Compensation for participation in DAO activities
  (Writing a post that gained a lot of likes, participating in voting, operating DAO and implementing decisions, etc)
- Sale of goods or services at the residents' marketplace
- Neighborhood hobby club
- Some cashback in tokens corresponding to the frequency of usage

→ Token rewards for all activities that contribute to activating the SBCC platform
(X to Earn model)

SBCC Token Payment

- Payment of administrative expenses (including DAO operating expenses)
- Use of community facilities
- Buying goods or services at a residents' marketplace
- Participation in neighborhood hobby club
- Online payment to nearby store
- Joint purchase from nearby store

As the ecosystem of SBCC becomes more active, the demand for SBCC token increases which leads its value to increase, which in turn results in all SBCC token holders sharing the fruit of success. It becomes realization of the core concept of Web 3.0 which is platform owned by both producer and consumer based on tokens.

2-3. Smart Home Cloud

SMART HOME CLOUD

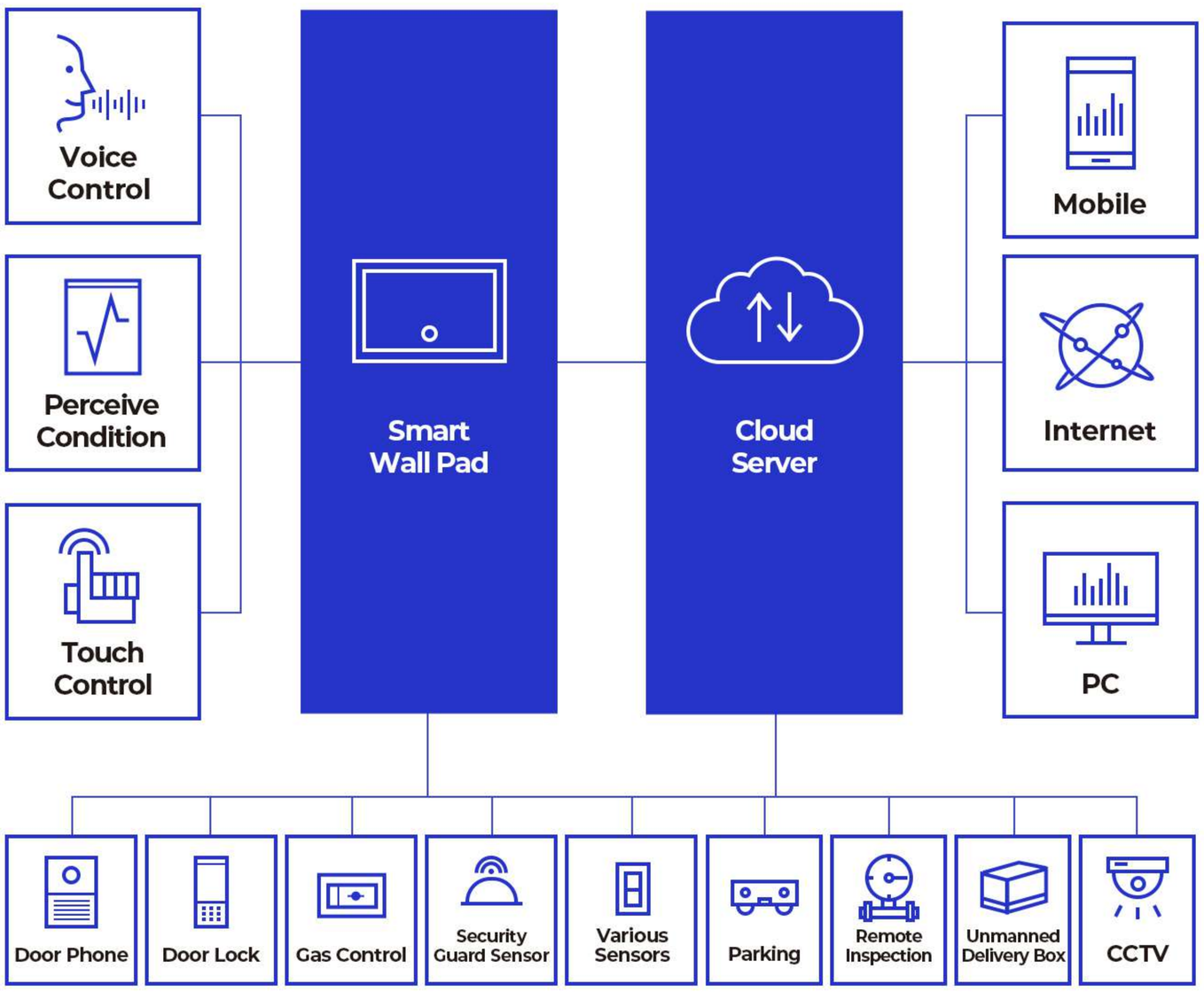
SBCC's Smart Home cloud is the next generation of Internet technology. Smart Home Cloud is a universally connected smart device based on Wallpad installed in each house, an infrastructure for CryptoEconomy and a wider range of lives to come, and Smart Home Cloud is an Internet technology optimized for the implementation and design of a global smart blockchain city.

Smart Home Cloud is a governance spectrum that monitors and controls all tasks controlled by users in house through Smart Wall Pad Platform 'PYLON', and has the ability to control many common devices that are close to life, such as nanocomputers and sensors.

Through the Smart Home Cloud platform, SBCC will balance all behaviors and activities of Smart Home modules with Wallpad provided by SBCC and will lead them to a better direction.

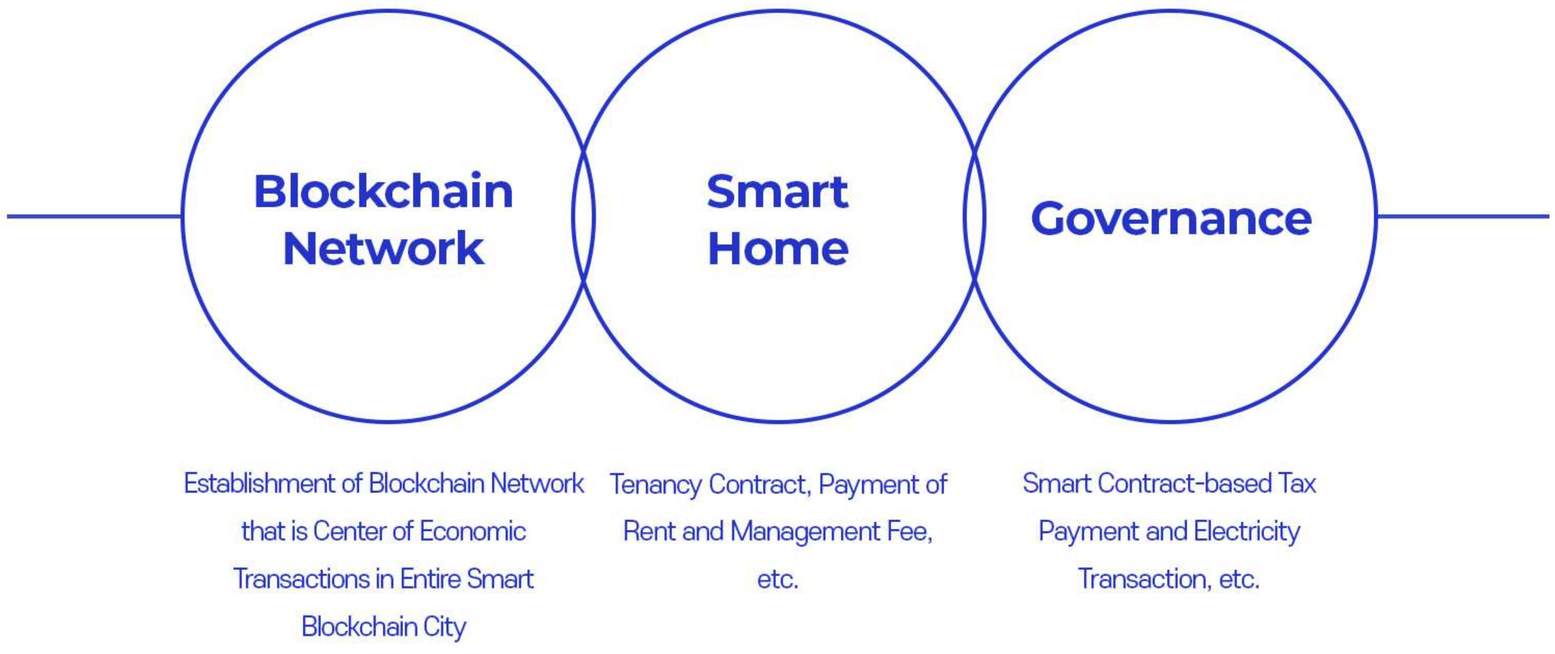
Smart Home Cloud is an infrastructure built into the Wallpad system provided and managed by SBCC, and Wallpad within each house demonstrates the potential for global expansion of autonomous systems built for smart blockchain cities by leveraging Smart Home Cloud.

SYSTEM DIAGRAM



2-4. SBCC Platform

SCALABILITY OF SMART BLOCKCHAIN CITY

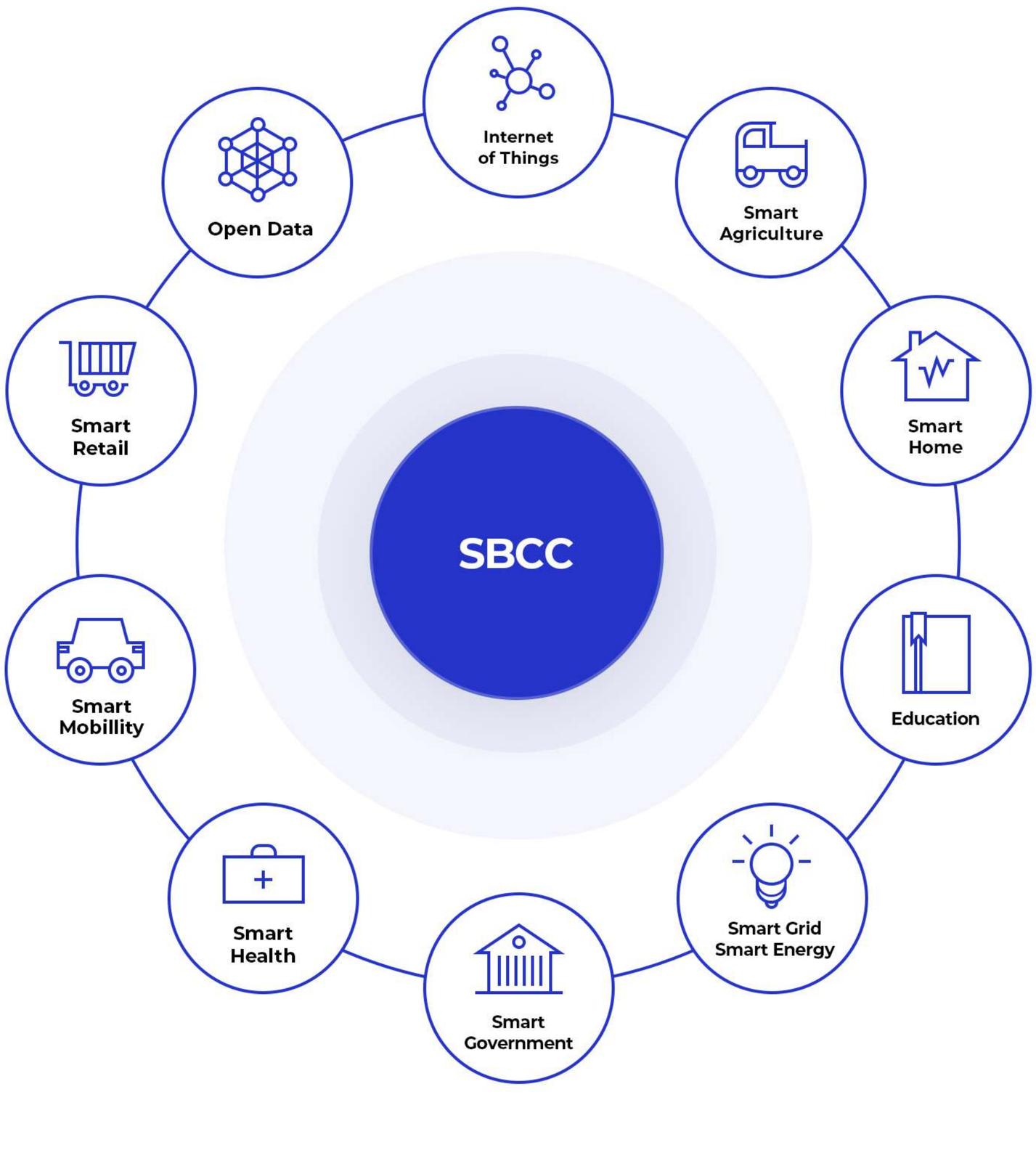


We want to develop a structured smart universe and implement an explosive Smart Home Metaverse in it. Smart Home Metaverse marks the beginning of modern cyberspace and the global smart blockchain city. It's about recreating a well-organized, integrated world in SBCC cyberspace, so that everything that happens in a typical city, such as smart government, smart cars, smart wear, can happen in the same way.

The Smart Home Metaverse platform consists of devices and avatars that directly control all computer components, including sensors as well as mechanical devices used to move or control the system.

To become a participant in Smart Home Metaverse, you must agree to the terms and conditions of the token accumulation, and the system automatically distributes operating revenue from the platform proportional to the amount the participant has, and continuously monitors how active it is. This acts as a means of providing a decentralized system by preventing capital concentration on participants and cryptocurrency exchanges. The Smart Home Metaverse platform is an environment that consists of the foundation and paradigm of cryptocurrency and is activated. The platform will also be a standardized global device connection point, and will then transform all connected devices and smart cities into one super-large interconnect called 'Global Smart Blockchain City'.

SMART BLOCKCHAIN CITY PLATFORM



2-5. SBCC Technology

OPTIMIZED SOLUTION FOR SMART BLOCKCHAIN CITY

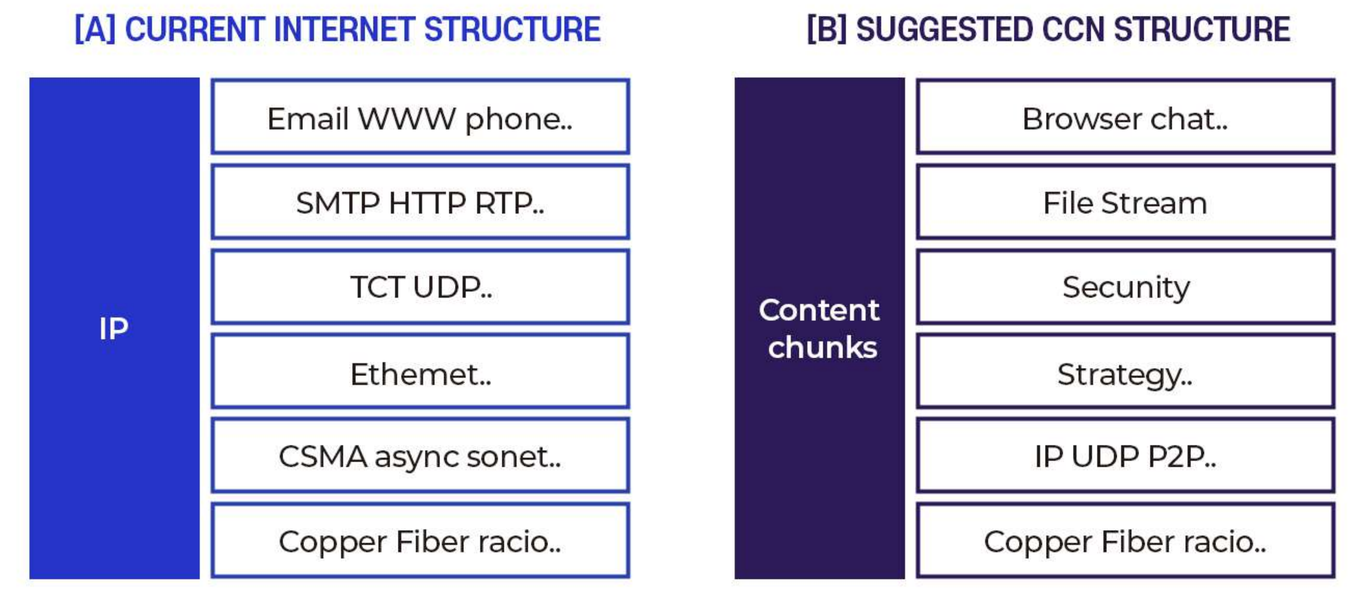
Smart Blockchain City is a solution designed from the development stage with a focus on functionality along with the security and stability of network systems, and with the advancement of state-of-the-art information technology, the potential of Smart Blockchain City is becoming a reality. In smart cities, various devices are connected to each other through the Internet of Things and IoT to generate large amounts of data in real time. In order for such a smart blockchain city to function properly without any problems between data transmission, an appropriate network environment is needed in terms of security, and the technology that can achieve this is Smart Blockchain City.

ANTI-HACKING SECURITY SYSTEM

Smart Blockchain City is the world's first network platform to introduce CCN technology. CCN technology offers advanced security by moving away from host-centric structures and using content as a networking entity without Internet addresses.

In addition to working with existing TCP/IP networks, Smart Home City can also deliver innovative security features.

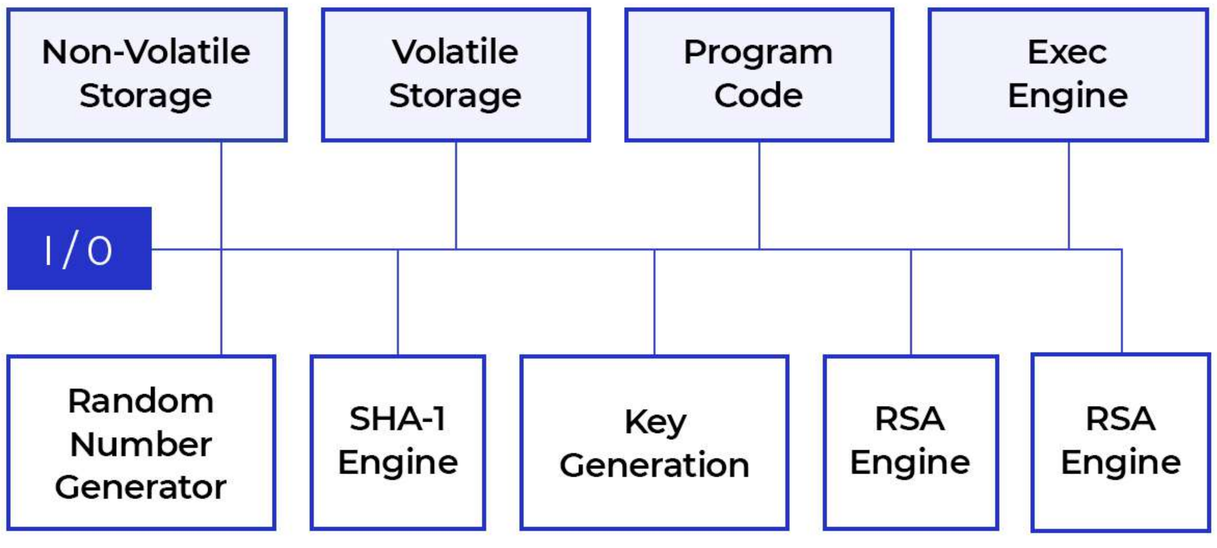
For example, if a user builds Smart BlockChain City within a house via SBCC's wallpad, they can fundamentally block external hacking in an environment that has access to the Internet as it is today. This complete blocking technology is possible because Smart Blockchain City uses CCN protocol, which does not physically respond to hackers' requests over TCP/IP networks, making it impossible for hackers to break into the network even if they attempt to hack. The system blocks the entry of hacking or malicious code over an Internet network based on TCP/IP. This means that even if a hacker succeeds in penetrating the Smart Blockchain City system, the hacking will not succeed. Simply put, hackers will not even be able to seize the opportunity to hack via CCN, not TCP/IP.



SCALABILITY OF SMART BLOCKCHAIN CITY

Smart Blockchain City's infrastructure is at the top of the overall system and is at the top of other Internet systems, as well as traditional and legacy systems. The Smart BlockChain City platform provides the largest disk for your existing infrastructure and makes it work like a system on this disk, making it the most reasonable and effective through paradigm shifts. Therefore, each subunit distributed around the world, except for this disk, is synchronized and harmonized with the other subunits. The disks in each subunit can process 10,000 transactions per minute, and assuming that there are 1,000 of these subunits worldwide, they can process 1,000*10,000 transactions per minute simultaneously, all of which operate independently. These subunits can still be harmonized with the rest through Smart BlockChain City, even if they enhance their systems for higher performance, and by increasing each unit and TPM, the total TPM can be adjusted and synchronized and processed more. Thus, processing scope capable of increasing TPM becomes wider, which is not only a paradigm shift, but also a new perspective in TPM calculations.

TRUSTED PLATFORM MODULE



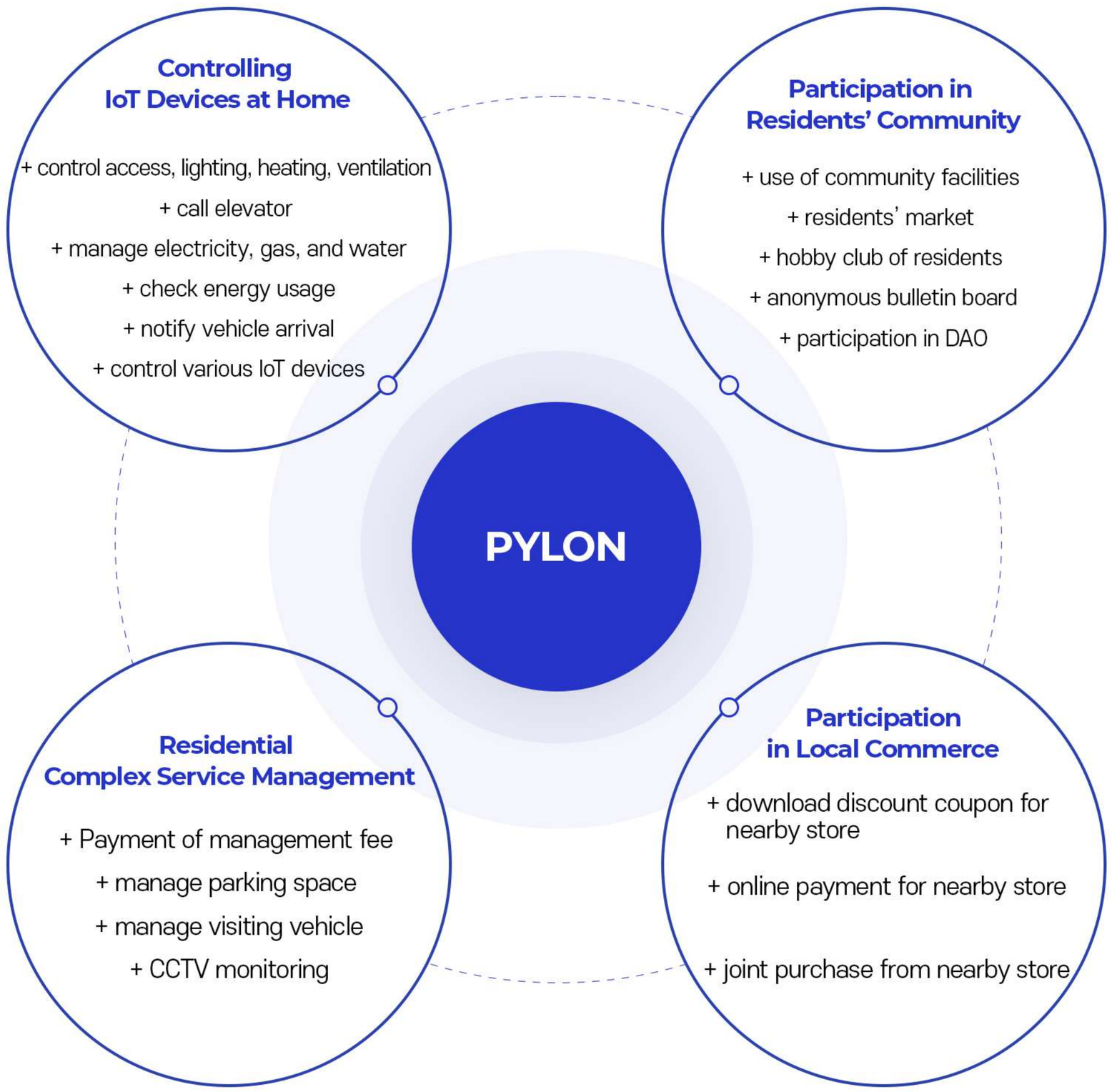
2-6. PYLON

WHAT IS PYLON?

SBCC's Smart Wall Pad 'PYLON' is advancement of interphone attached on the wall of each house in the apartment building into smart home device in Web 3.0 era and is synchronized with mobile application perfectly.

Compared to the existing interphone that only performs functions such as controlling visitor's access and contact with residential complex management office, it can △control IoT devices at home, △manage residential complex services, △allow participation in residents' community, △allow participation in local commerce activities in proximity. SBCC's Smart Wall Pad will develop into a device which becomes the basis of entire smart city beyond serving just apartment complex.

FUNCTIONS OF PYLON



[1] CONTROL IOT DEVICES AT HOME

In the Smart Wall Pad PYLON, major management points and smart appliances are connected through IoT to keep a comfortable and convenient home environment at all times even remotely.

∗ control access·lighting·heating·ventilation
∗ call elevator
∗ control electricity·gas·water
∗ check energy consumption
∗ notify vehicle arrival
∗ control various IoT devices (TV, refrigerator, air-conditioner, washing machine, etc.)

[2] MANAGE RESIDENTIAL COMPLEX SERVICES

Through PYLON, contact with management office of residential complex, manage parking space and use of other communal facility.

∗ contact with management office
∗ pay management fee
∗ manage parking space
∗ manage visiting vehicle
∗ monitor CCTV at playground, etc.

[3] PARTICIPATE IN RESIDENTS' COMMUNITY

The Smart Wall Pad PYLON provides various functions to enhance communication and exchange between neighbors. Through this, we are creating a happy neighborhood community.

∗ use of community facilities (gym, communal study area, etc.)
∗ residents' marketplace (transact used goods, services(babysitter, petsitter))
∗ club of residents (based on interest or hobbies)
∗ anonymous bulletin board
∗ participate in DAO∗

User can pay with SBCC tokens when using community facilities, trading at the resident marketplace, or joining residents' club, etc. SBCC tokens are rewarded to those who participate in the DAO and perform activities such as making proposals, voting, and implementation of decisions.

∗Participation in DAO

+ Detail: the apartment DAO is a decentralized decision-making organization among apartment residents, and the apartment DAO expands to become a city DAO organized by the residents of the same city.
+ Activity: (1) anonymous bulletin board: freely suggest agendas to improve the convenience of apartment living. Agenda that has received more than a certain number of likes must be reviewed by the DAO. (2) voting: residents vote on the issues selected as the agenda. (3) Operation: Operate the DAO or implement the decisions made by the DAO.

[4] PARTICIPATE IN LOCAL COMMERCE ACTIVITIES

In PYLON, you can enjoy various commerce activities in the local commercial area. This will revitalize the local economy and lead to a reasonable consumption.

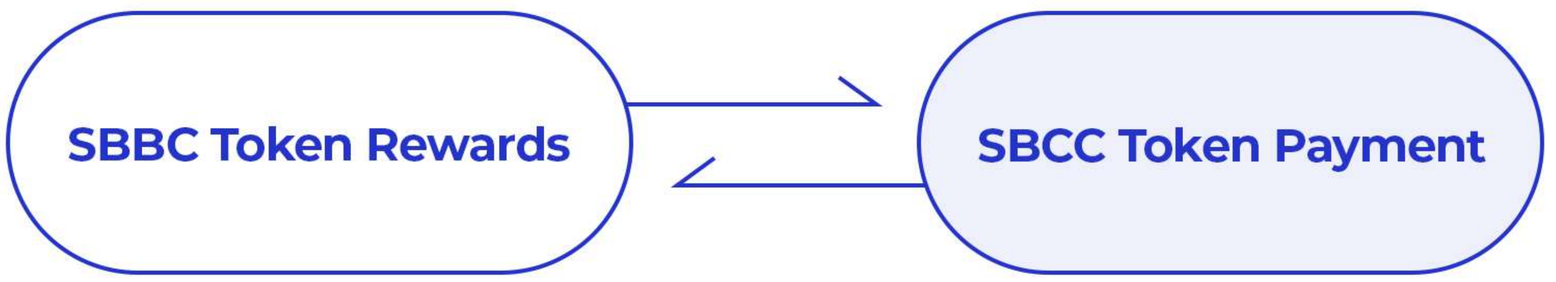
*** download discount coupons for nearby stores**

*** make online payment in nearby stores**

*** joint purchase from nearby stores (e.g. fruit shops, gyms, delivery foods, etc.)**

SBCC TOKEN ECONOMY

SBCC tokens are used as a reward or payment method which brings about economy with virtuous cycle



+ Rewards for participating in DAO activities
(if the proposal made receives lots of likes, participation in voting, operation of DAO and implementation of decisions)
+ Selling goods or services at residents' marketplace
+ Operating residents' club
+ Portion of tokens used is provided as cashback

→ Token is provided as reward for all activities contributing to the activation of the SBCC platform

+ payment of residential complex management fee
+ use of community facilities
+ purchasing goods or services at the residents' marketplace
+ participation in residents' club
+ online payment for nearby store
+ joint purchase from nearby store

COMPARISON WITH EXISTING SIMILAR SERVICES

SBCC's PYLON is **a platform for Smart Blockchain City in Web 3.0 era** which incorporates △token economy(a structure in which production and consumption forms virtuous cycle), △gamification(encourage usage with X to Earn model), △DAO (transparent and democratic decision making) that cannot be found in existing apartment apps or regional-based commerce apps for transaction of secondary goods.

SBCC SMART WATCH

The SBCC Smart Watch is synchronized with Smart Wall Pad for performing simple functions, and is developed for the safety of the elderly and children.

(1) Sync with Smart Wall Pad

You can use some functions of the Smart Wall Pad to control the house, such as lighting, access, heating, ventilation, electricity, gas, water and various IoT home appliances, get notification for vehicle arrival, etc.

(2) Healthcare

By measuring the pulse in real time, it contacts the smart hospital immediately in case of an emergency.

(3) Monitor Location

Monitor location of the children and make sure they are not in danger in real time.

2-7. PYLON Wallet

SBCC WALLPAD WALLET

SBCC wall pad is a non-hacking financial security device that protects all devices by leveraging cloud technology free from penetration and power outages in Smart BlockChain City.

In addition, SBCC's wallpad is the safest e-wallet with a mini-PC and advanced authentication security system using the ARM Coretex-A7 800 MHz. The SBCC wall pad on Smart Blockchain City is designed specifically for individuals to use at home or in small offices. In addition, the SBCC wall pad wallet will be replaced by the Q-Fire wallet for improved functionality.

WALLPAD EXAMPLE IMAGE

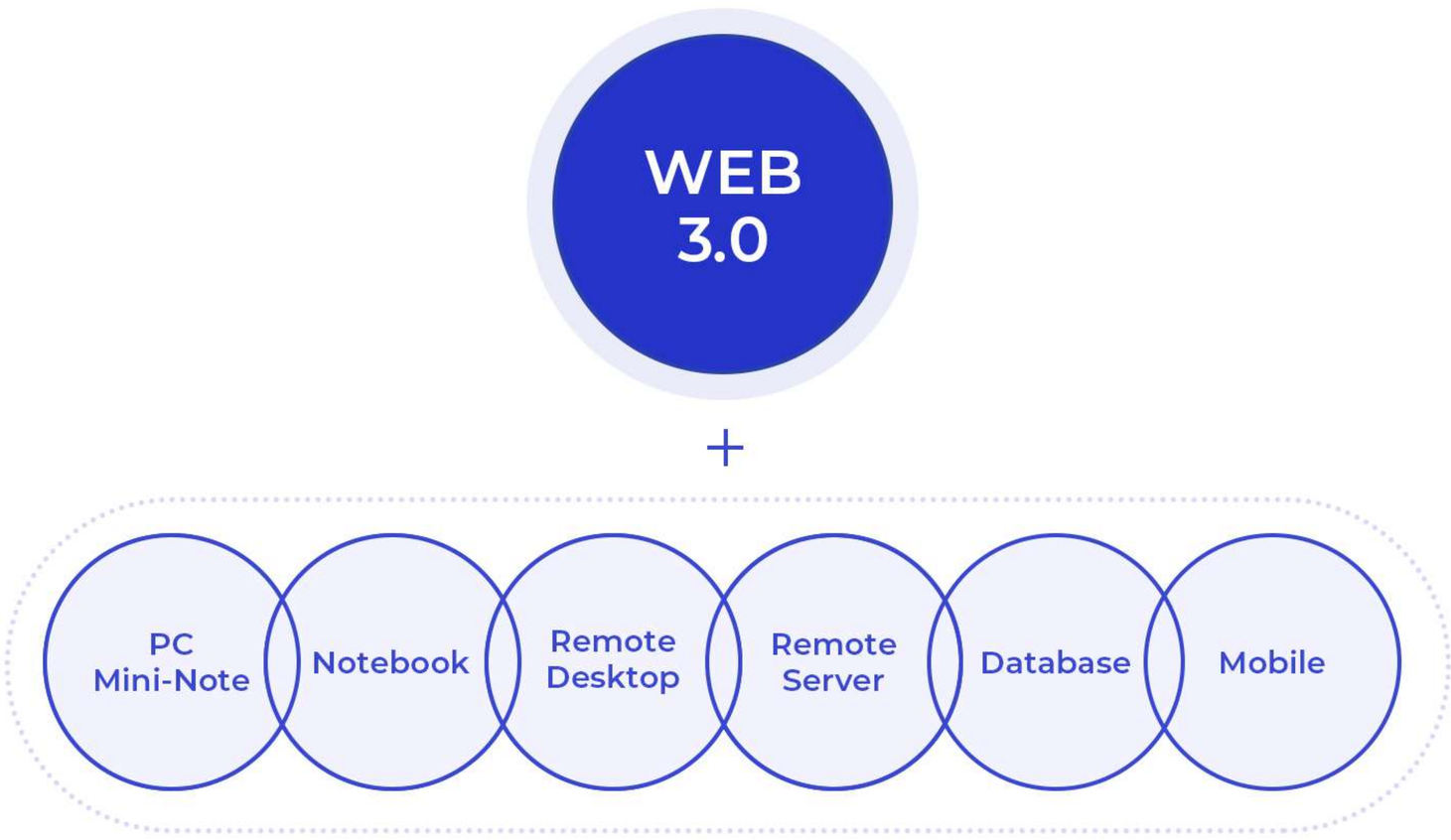
2-8. Expansion Prospect of PYLON

EXPANSION PROSPECT OF WALL PAD THROUGH WEB 3.0

When looking at the history of the internet, the evolution of the semantically intelligent web is seen as a near future. Initially, data was provided statically by users, but tenants using SBCC's PYLON will be able to interact with the data dynamically, and all data will be used for algorithms to improve the resident's experience and make the web personal and familiar.

Today, many applications are limited to running on only one operating system, but through Web 3.0, SBCC's PYLON can be run on numerous interconnected Wall Pads without additional development costs. This means that it can run on software such as home appliances connected with Wall Pad.

SBCC's PYLON with Web 3.0 also wants to make the internet more open and user-friendly. Unlike the current system where resident have to rely on network and wireless communication providers to monitor information through the system, SBCC's PYLON will allow users to regain ownership of their data through decentralized ledger technology.



2-9. Advantages of PYLON

NO CENTRAL CONTROL POINT

Since the intermediaries have been removed, the information of the resident is no longer processed by intermediaries. This further reduces the risk of government or corporate censorship and makes it virtually immune to DDOS attacks.

INCREASE INFORMATION INTEROPERABILITY

As more and more products are connected to the internet, larger sets of data provide algorithms with more information to analyze, which helps provide more accurate information to meet the specific needs of individual Wall Pad users.

MORE EFFICIENT BROWSING

When users use the Wall Pad, it is very easy to get the best results. It leads to a more convenient web experience that helps anyone to find the exact information they want relatively easily, and unlike in Web 2.0, smart algorithms are used and manipulated results can be filtered through AI.

IMPROVED ADVERTISING AND MARKETING

From the resident's point of view, no one would like it if the Wall Pad is flooded with advertisements. However, if the advertisements are tailored to the individual interests and needs of each resident, this can be useful rather than annoying. Powered by Web 3.0, PYLON utilizes smarter AI systems to improve advertising, targeting specific audiences based on consumer data.

BETTER CUSTOMER SUPPORT

Service for residents on websites and web applications are key to a seamless user experience. However, the sheer cost prevents many successful web services from scaling customer service to accommodate them. By applying and utilizing a smart chatbot that can communicate with multiple customers at the same time to PYLON, tenants can enjoy superior service than service agents.

2-10. SBCC Development Direction

ESTABLISHMENT OF INTER-MINISTERIAL COOPERATION SYSTEM

In terms of the ultimate goal of a smart city, the construction of infrastructure and the use of ICT services are complementary rather than contradictory or competing policies. Therefore, it is necessary to establish and strengthen a cooperative system between fields in cities that increase expertise in each field. Through this, smart city users will be able to increase their understanding of IoT, and Smart Blockchain City will not only consider the development of smart blockchain city in a balanced way, but also discuss policy tasks that need to be addressed jointly between sectors.

STRENGTHENING COOPERATION BETWEEN CENTRAL AND LOCAL USERS

Although budgets are invested in the smart blockchain city project, the space where the actual smart blockchain city is promoted will be in each cyberspace, and its users receive primary benefits. And Smart Home City is responsible for building a smart blockchain city. Therefore, in the process of planning and promoting a smart blockchain city, cooperation between the Smart Blockchain City, the entity that builds the cyberspace, and real users should be strengthened. The main body of construction should establish and execute a smart blockchain city vision and strategy suitable for each city's situation, and actual users should play a role in submitting various opinions and delivering feedback on convenient and safe smart blockchain city use.

ENHANCED SECURITY

A Physical security was important in traditional cities, but cyber security is essential for smart blockchain cities. Because all city information is digitally collected, stored, and processed, if the information is leaked or manipulated by outside intrusion, the entire city may be paralyzed and personal property and lives may be at risk. Cybersecurity is primarily responsible for private operators who develop and install smart city systems and applications. However, in the digital era where everything is connected, cybersecurity is a newly emerged public good, so the active support of Smart Blockchain City and cyberspace developers will also need to be accompanied.

PART 3.0

TECH

TECH

3-1. Blockchain Data Structure

BLOCKCHAIN TECHNOLOGY

Blockchain technology entered the Internet 3.0 era and began to build the most advanced and independent user environment. Over the past few years, it has gained considerable popularity among branded enterprises in various fields, and new businesses are starting to use Blockchain. Blockchain technology can be defined as a distributed and decentralized database of encrypted data information. Blockchain uses decentralization and cryptographic hashing to make digital assets immutable and transparent, unlike traditional methods by storing Distributed Ledger Technology(DLT) in each independent node. Technologies that allow the scalability of trust through technology on blockchain are being developed into a variety of frameworks, combined with public information control and verification systems to maintain integrity, data, and accuracy and availability to build trust between users.

The SBCC blockchain can be described as follows.

1. It is a data structure in which each block is associated with other blocks in time-stamped chronological order.

2. An append-only distributed transactional database with full real-time access. It also replaces an existing database.

3. In the data structure, every node keeps a copy of all transactions that have occurred in the past.

4. All information once stored in the ledger can be viewed and shared at any time, but it is impossible to edit or update information recorded in the blockchain.

5. Because there is no single point of failure, the entire data structure is fault-tolerant and reliable.

3-2. SBCC Blockchain Protocol

SBCC BLOCKCHAIN

The SBCC blockchain platform has adopted Binance Smart Chain. Binance Chain was initially optimized for fast trading. However, from a programming point of view, it had the disadvantage of being less flexible than other blockchains, and Binance Smart Chain was released to compensate for these shortcomings. Binance Smart Chain is a new full-featured blockchain for developing high-performing decentralized applications. Built for cross-chain compatibility with Binance Chain, users can benefit from both blockchains. Binance Smart Chain(BSC) is best described as a blockchain that runs in parallel with Binance Chain. Unlike Binance Chain, Binance Smart Chain is compatible with smart contract functions and Ethereum Virtual Machine(EVM). The original design purpose of Binance Smart Chain was to introduce smart contracts into the ecosystem while maintaining the integrity of Binance Chain's high throughput.

SBCC POSA

SBCC smart chain achieves ~3 second block time through proof-of-stake consensus algorithm. More precisely, it uses Proof of Staked Authority(PoSA), where participants can stake their own tokens to become validators. If they present a valid block, they will be paid the transaction fee included in the transaction. However, unlike many other Ethereum-based protocols, there is no subsidy for newly created assets.

SBCC DUAL CHAIN

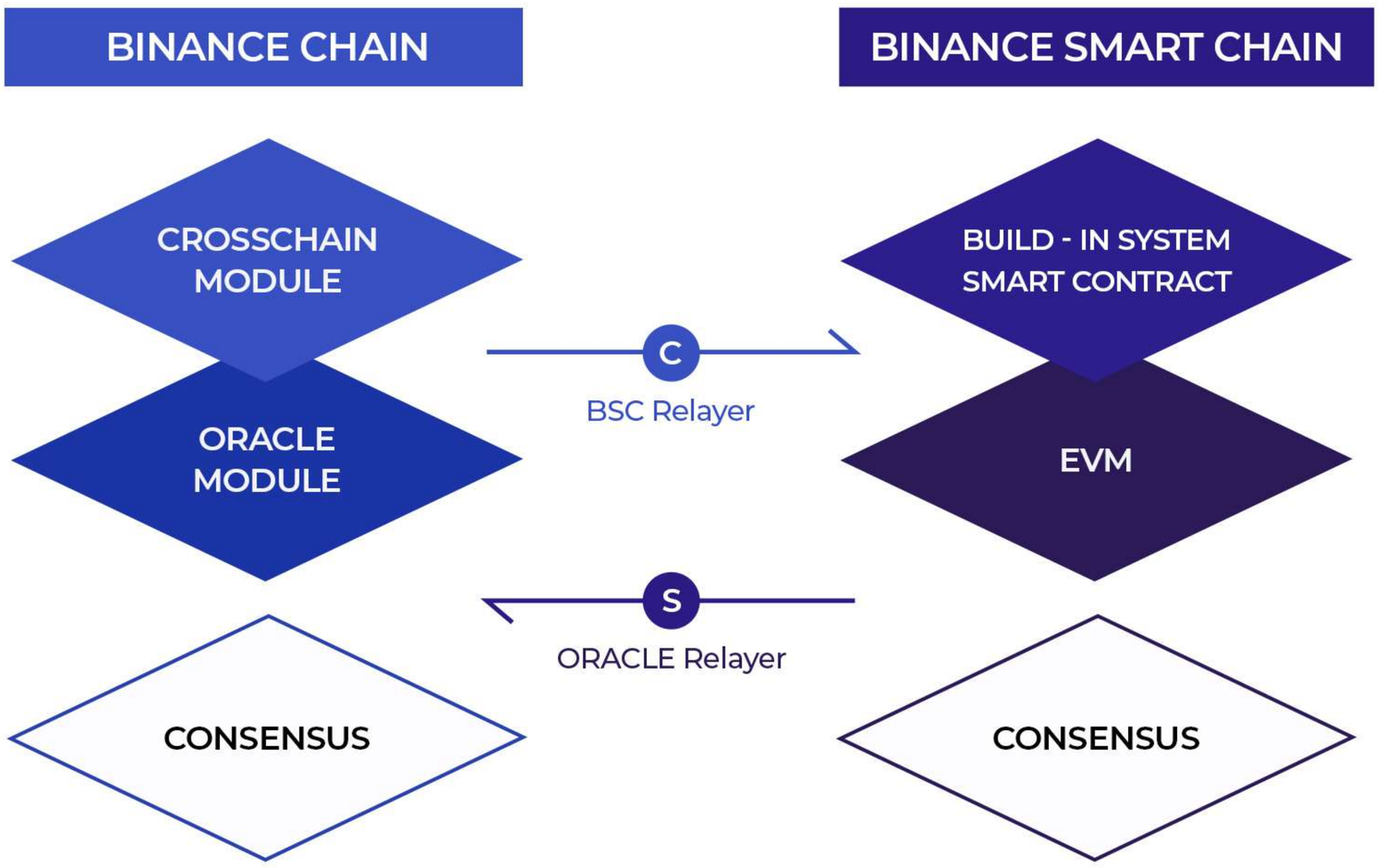
The SBCC Smart Chain was conceived as a system to complement the existing chain while being independent. A dual-chain structure is used, and users are free to transfer assets between each blockchain. This allows you to build powerful decentralized apps on Binance Smart Chain while using fast trading features on Binance Chain. This interoperability allows users to experience a broad ecosystem with numerous use cases.

BLOCKCHAIN PROTOCOL

A blockchain protocol is a set of rules and procedures used to manage a blockchain. It verifies that other aspects of the SBCC platform are working as intended. Some protocols are open source protocols while others are extensible private permission networks.

DECENTRALIZED FINANCIAL SERVICE

Thanks to the flexibility provided by the SBCC Smart Chain, it is possible to introduce and use Decentralized Finance(DeFi) services to grow numerous on-chain assets. Pancake swaps or staking or liquidity pool related applications allow users to exchange assets in a trustless way, much like Uniswap. SBCC users can participate in these pools and vote on various proposals.

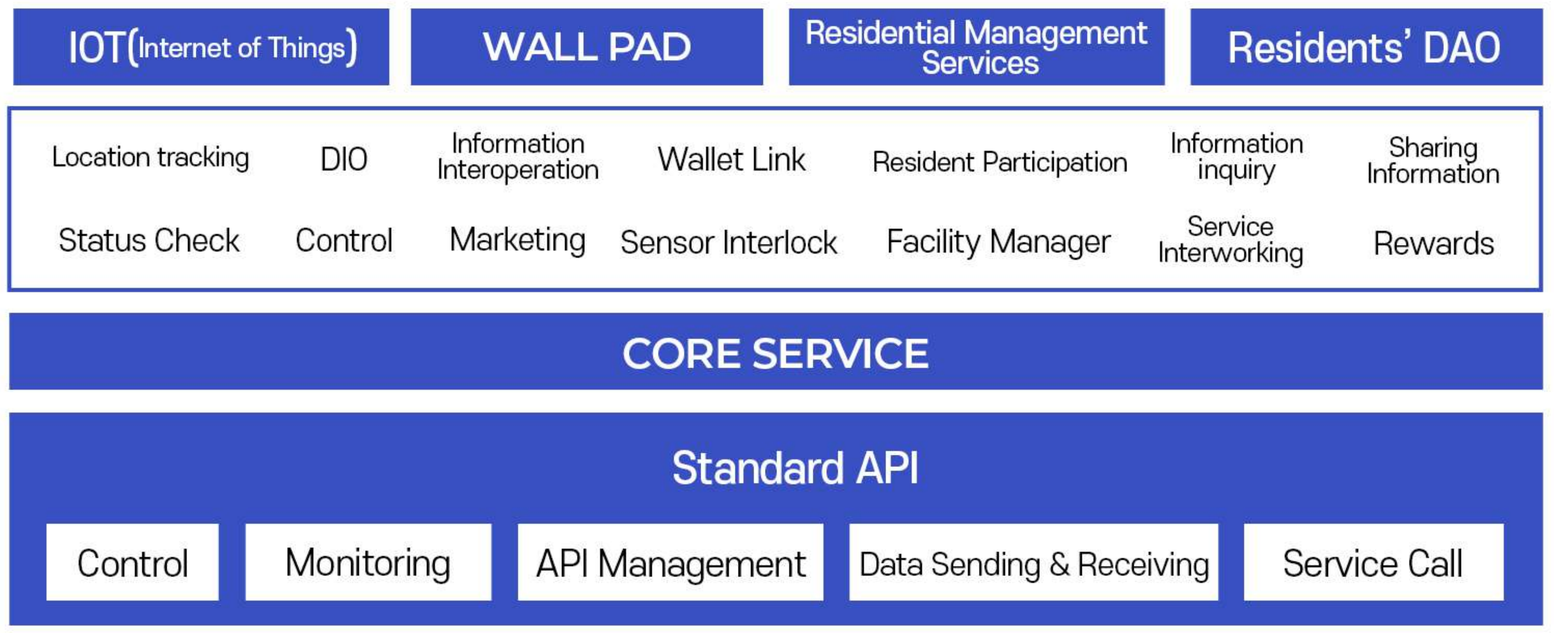


S Smart contract events

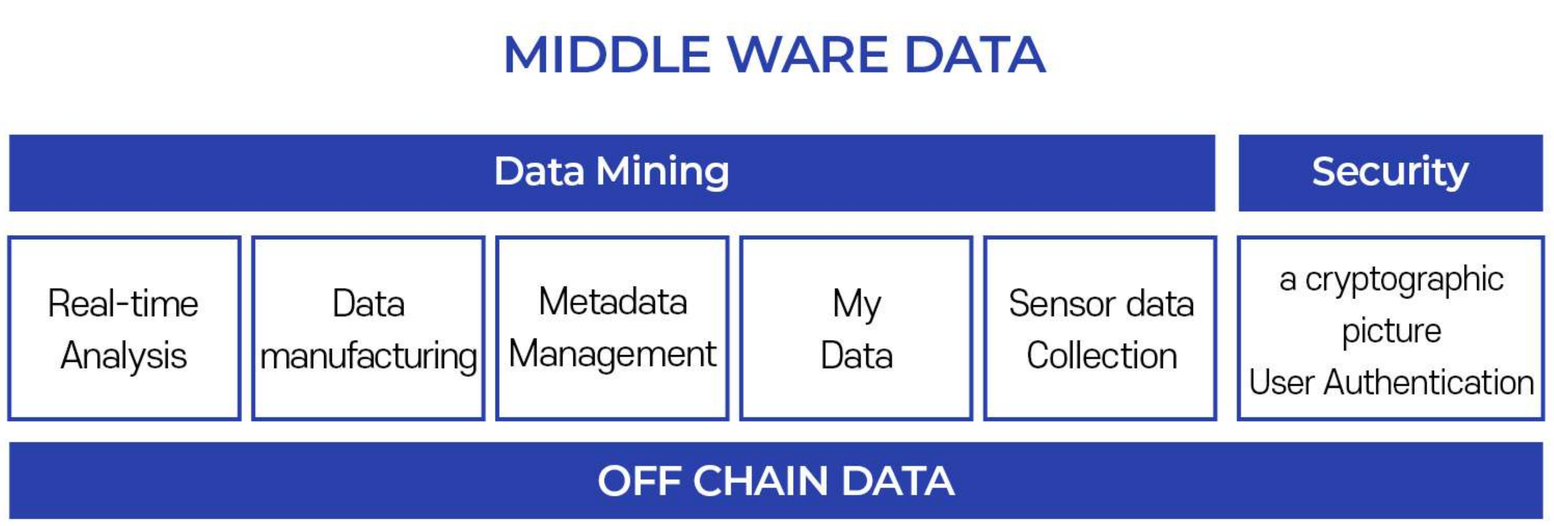
C Cross chain related transactions: bind package, transfer package, refund, BSC staking, governance

3-3. SBCC Blockchain Architecture

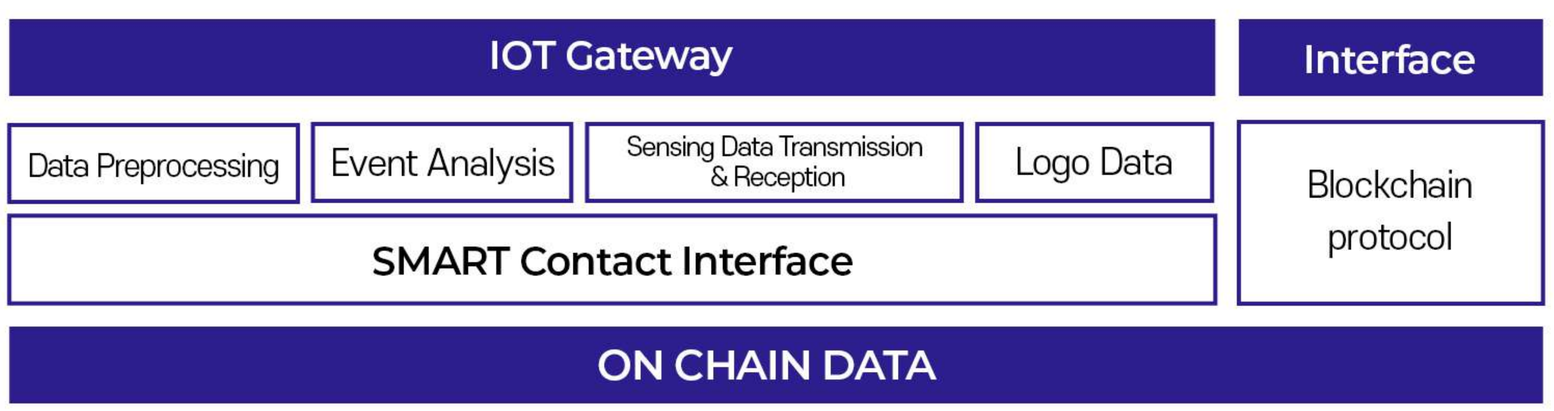
SERVICE



MIDDLE WARE DATA



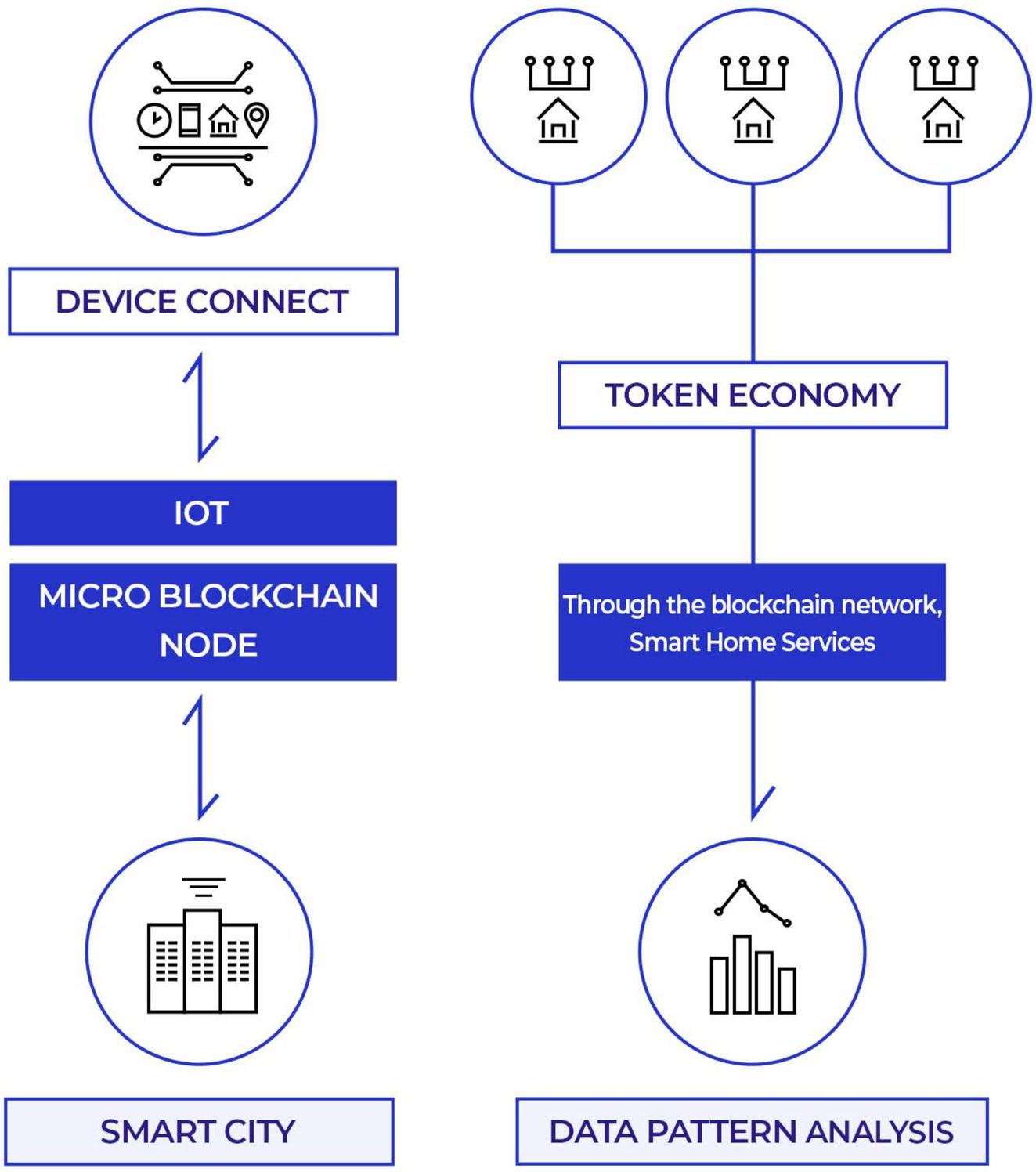
BLOCKCHAIN



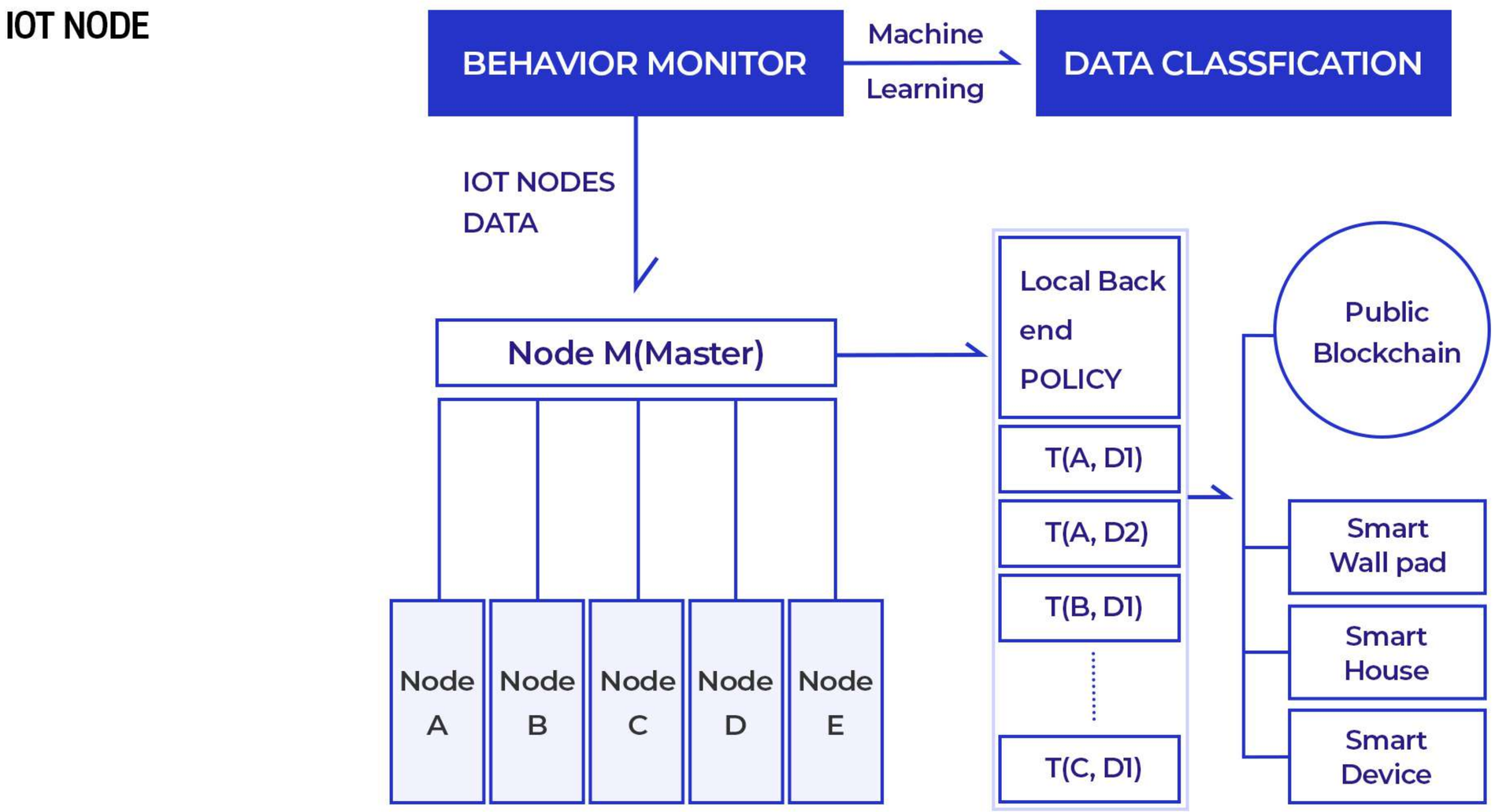
3-4. SBCC Blockchain Protocol

BLOCKCHAIN PROTOCOL

SBCC Smart Blockchain City, which sometimes seems to mean everything, defines the building of an urbanized system that converges to collect, aggregate and analyze real-time data and create complete data. The converged data is aggregated into middleware and off-chain data hubs, and it is implemented in the form of big data > AI algorithm and connected as a technological flow. Since the SBCC Smart Blockchain City connects personal and community data, it inevitably requires advanced security and technical reliability. In addition, a blockchain-based technology and smart contract system are required to manage the interconnection of various things that make up a smart blockchain city and provide asset value according to the use of data generated in this process.



3-5. SBCC IoT Node

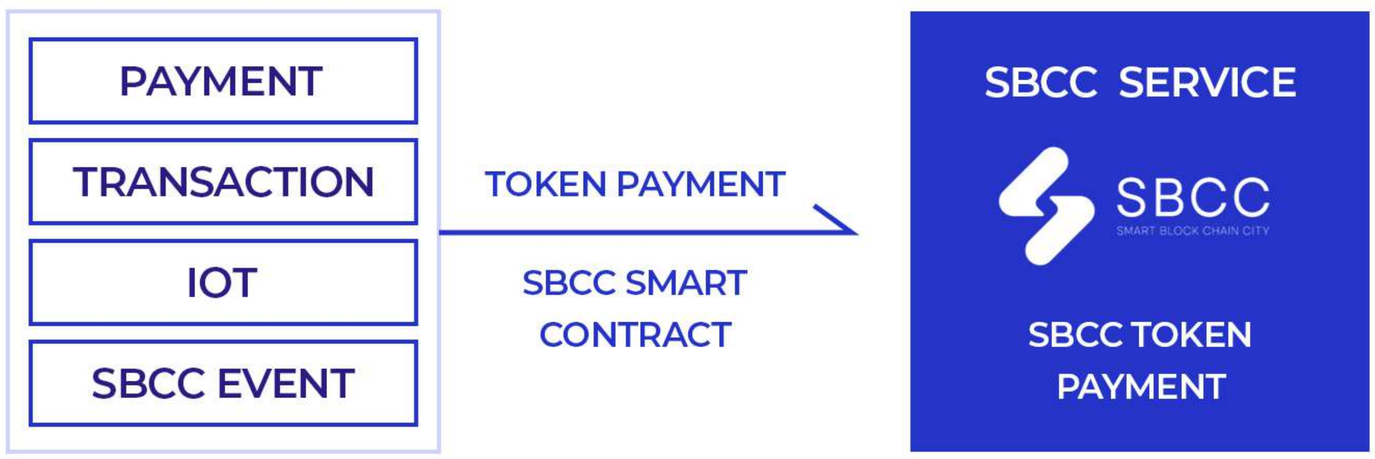


The Internet of Things(IoT) is an important aspect of the SBCC Smart Blockchain City. This proliferation and autonomous nature of IoT network systems composed of smart devices that communicate information without physical intervention from users makes these devices vulnerable to serious threats. These threats can be minimized by building a system based on security and reliability through blockchain. SBCC security is constructed based on a blockchain that allows independent nodes to verify public private networks to show the highest reliability. In the SBCC smart IoT system, the behavior capture and verification process consists of a policy/system/hardware configuration step by step. The SBCC smart platform has defined a custom Behavior Monitor and implemented it on selected nodes that can use deep machine learning strategies to extract the activity of each device and analyze its behavior. Moreover, it deploys as a trusted execution technology that can be used to provide a secure local back end for sensitive application code and data on the blockchain. Finally, in the evaluation phase, we analyze IoT device data that can be subjected to various attacks. The evaluation results show the strength of the proposed method in terms of accuracy and time required for detection.

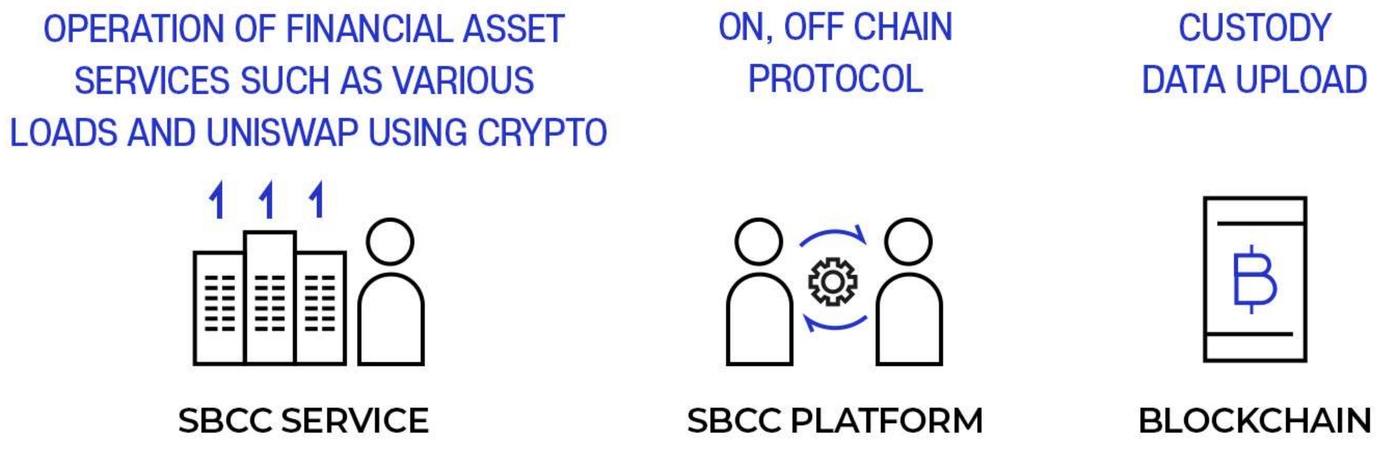
3-6. SBCC Financial (Payment, Defi, Staking)

BLOCKCHAIN PROTOCOL

The recording and storage of data generated by the SBCC platform is stored through the 1)integrity, 2)reliability, 3)transparency, and 4)security characteristics of the blockchain. These blockchain features give users a lot of trust in providing services. Payment processing through SBCC Token has no damage to IoT security transmission/reception processing. In addition, since the processing of the general payment process is the final settlement process through several intermediate payment processes, inefficient processes such as intermediate fees and introduction of solutions are required. However, in the case of digital assets, it is convenient to use because it is an efficient and simple payment method that only goes through the remittance process of the P2P process between the platform and the payer.

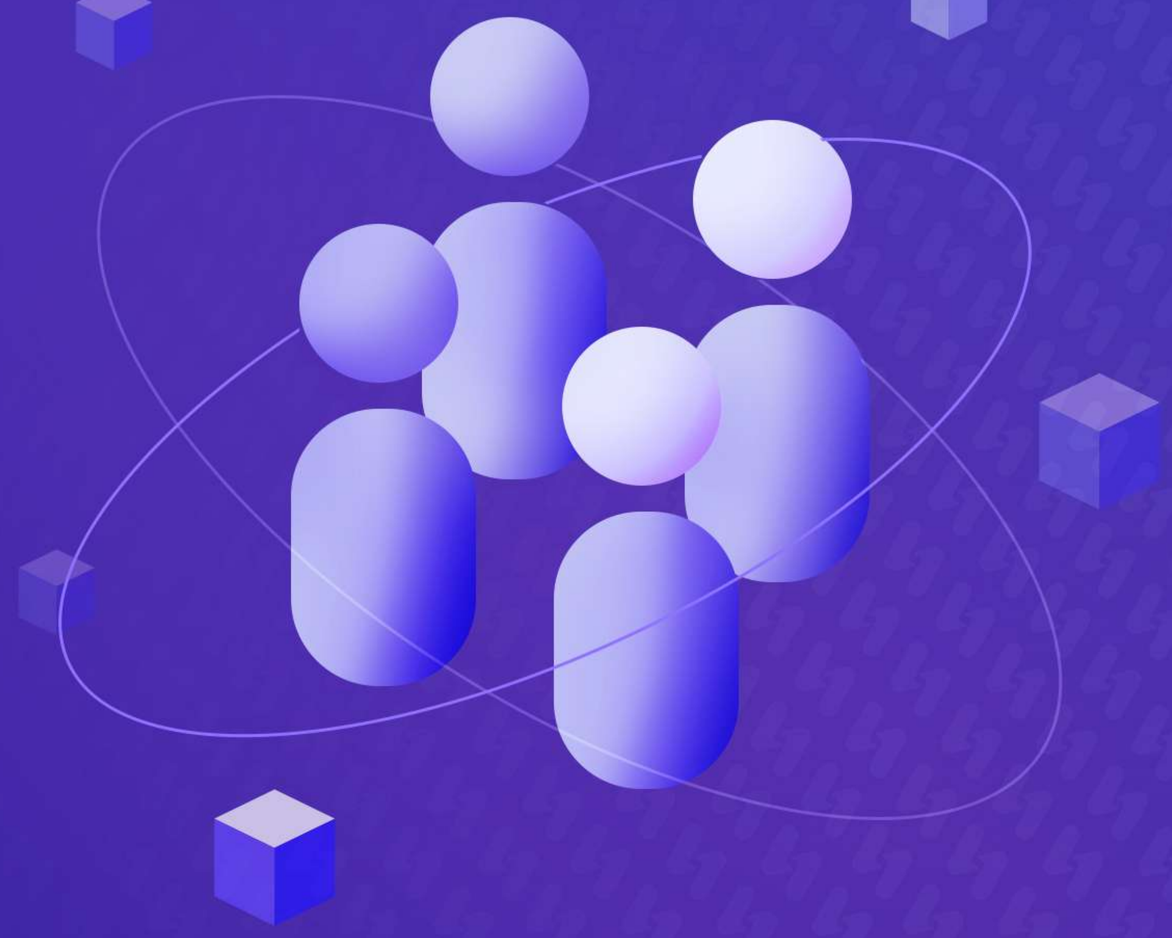


Users can get their principal and interest back after the SBCC swap, but it can also be operated in the form of tokens, which are various financial services on the SBCC platform in the future. The SBCC platform also grants various benefits to users (SBCC REWARD TOKEN), so that the effect of value increase and effective consumption of assets can be derived according to the activation of the platform. In the future, SBCC Platform will provide necessary services and marketing programs to users, affiliates, and franchisees. It provides its own service that allows companies and affiliates to consume member POOL and points required as a consumption channel, and provides data-based personalized token economy that analyzes consumption patterns.



PART 4.0

TEAM



TEAM

4-1. Team

CEO

Tajnoor Anam

SBCC Group President
University of Technology
Malaysia

COO

RAVICHANDRAN PANGUNIAN

The Mines Resort
Harvard University

CTO

Syahrul Manan

Blockchain Engineer
Smart City Expert

CFO

Rusli Bin Ismail

Finance Lawyer

CMO

Jennie Wan

Tsinghua Unniversity

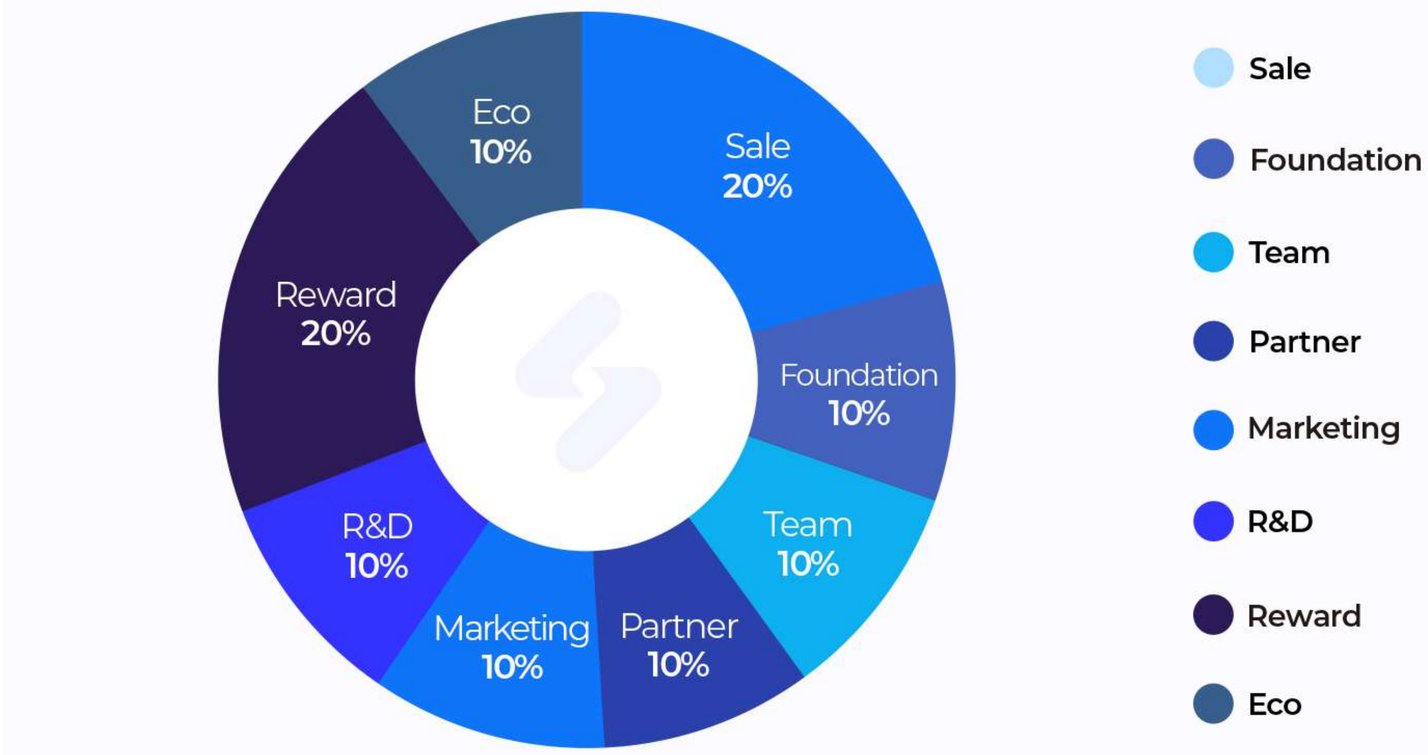
PART 5.0

DISTRIBUTION

DISTRIBUTION

5. DISTRIBUTION

TOKEN NAME	SBCC	**SYMBOL**	SBCC
PLATFORM	Binance Smart Chain	**DECIMAL**	18
TOTAL SUPPLY	3 billion issued (3,000,000,000)		
CA	-		



SBCC TOKEN VESTING PLAN

Token Sale : No Lock/ It forms initial circulation

Foundation : To be distributed in 36 months after 12 months lock/ It will be released linearly to prevent it from influencing market price

Team : To be distributed in 36 months after 12 months lock/ Amount for early team members who contributed to the construction of the project

Partner : To be distributed in 36 months after 12 months lock/ Amount for partners participating in the SBCC ecosystem

Marketing : To be distributed in 36 months/ Amount for aggressive marketing such as listing events and airdrops

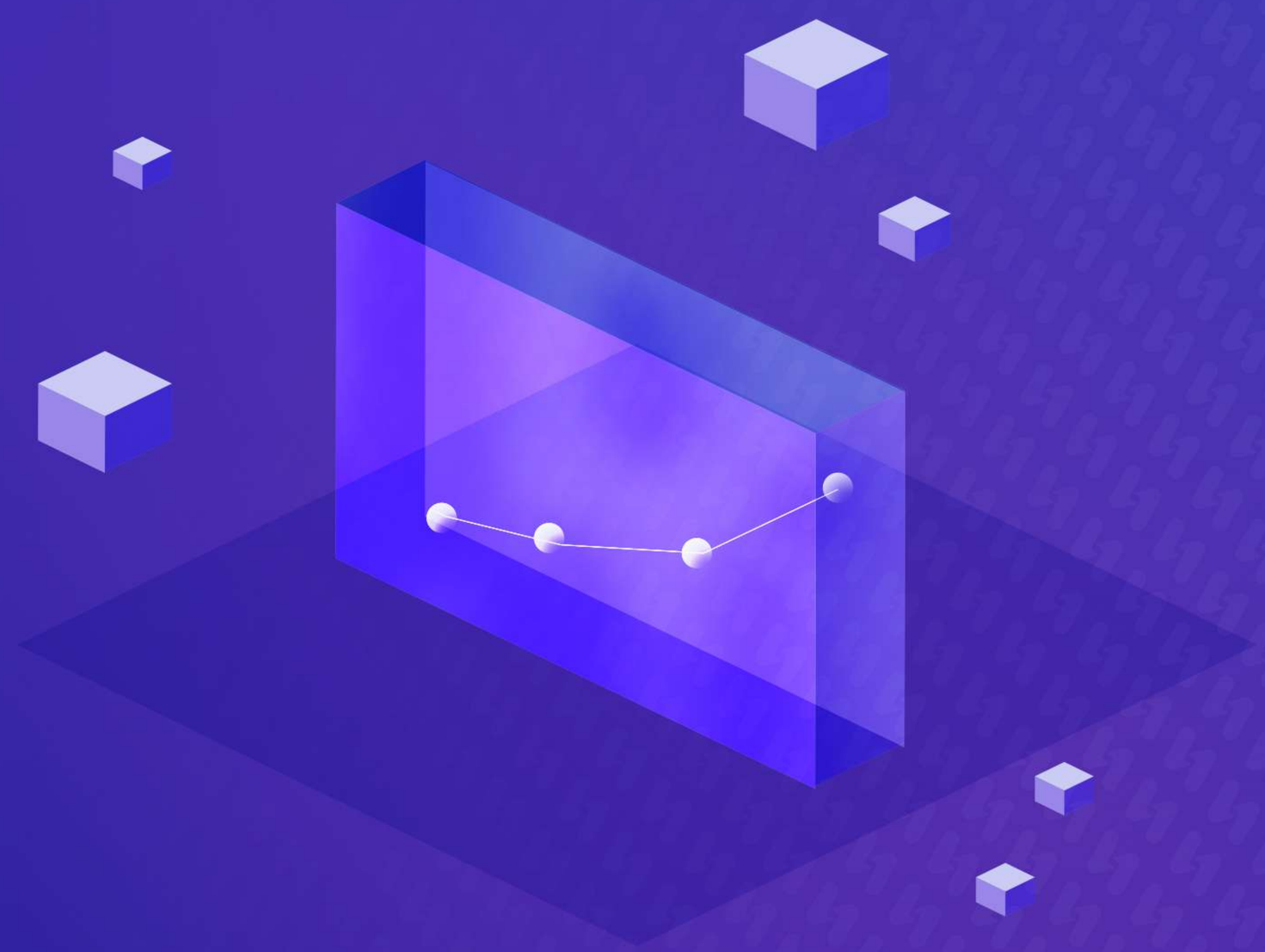
Reward : No Lock/ Amount for contributor of ecosystem such as PYLON user

R&D : To be distributed in 36 months/ R&D expense for development and advancement of PYLON

Eco-system : To be distributed in 60 months/ Other costs for establishing an ecosystem

PART 6.0

ROAD MAP



ROAD MAP

2022 1Q

2022 1Q

- SBCC Whitepaper Disclosure
- First Listing on a Global Exchange
- First Listing on a Decentralized Exchange
- Global Media News Promotion
- New York Nasdaq Marketing

2022 2Q

2022 2Q

- Signing an MOU with a Large Asian Construction Company
- Signing an MOU with a Large North American Construction Company
- Additional Listing on Global Exchange
- Additional Listing on Decentralized Exchange
- Offline Marketing in Asia
- Disclosure of SBCC NFT(Non-Fungible Token)

2022 3Q

2022 3Q

- Signing an MOU with Global IoT Company
- Establishment of Smart Home System

2022 4Q

2022 4Q

- Establishment of Web 3.0 Smart Wall Pad based on blockchain, ‘PYLON’
- Signing an MOU for establishment of Asian Smart City
- Signing a Supply Contract of Smart City

PART 7.0

LEGAL DISCLAIMER

LEGAL DISCLAIMER

Please read carefully all of this disclaimer. If you are unsure about your future actions, we recommend that you seek the advice of other experts, including legal, financial, tax, etc.

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(c) SBCC Foundation and its affiliates are not liable for any indirect, special, accidental, resultant loss(including loss of investment returns/income/profit and loss in utilization and data but not limited to them) in relation to contract or illegal actions resulted by you adopting or depending on entire or part of this white paper, and this is applied to the fullest extent permitted by applicable laws and regulations.

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(b) Forward-looking statements involve various risks and uncertainties. These statements are not guarantees of future performance and therefore should not be relied on unduly. If the risk uncertainty materializes, the actual performance and development of the SBCC Foundation and its affiliates may differ from expectations set by the forward-looking statements. Even if these circumstances change in the future, the SBCC Foundation and its affiliates have no obligation to provide updates on forward-looking statements. If you act based on forward-looking statements contained in this white paper, the SBCC Foundation and its affiliated websites and other materials, you are solely responsible for the non-realization of the forward-looking statements.

POTENTIAL RISK

(a) Before deciding to purchase or participate in SBCC tokens, we recommend that you read the following carefully and thoroughly analyze and understand the relevant factors and risks. Risks include, but are not limited to:

(i) Risk of buyer negligence related to storage, such as restricted access to SBCC tokens due to loss of identification information and loss of essential private keys related to digital wallets storing SBCC tokens.

(ii) Risk of change in value after issuance of SBCC tokens due to global market and economic conditions. Due to these uncertainties in the value of the SBCC token, the SBCC Foundation may not be able to provide the necessary funds for the development of the SBCC token ecosystem or maintain the SBCC token ecosystem in the intended direction.

POTENTIAL RISK

(iii) Changes in the political, social, and economic environment, changes in the stock or cryptocurrency market environment, changes in the regulatory environment in the countries in which the SBCC Foundation and its affiliates operate, and risk of change in ability for SBCC Foundation and affiliates to survive or compete in such circumstances.

(iv) Risks related to changes in the future capital needs of the SBCC Foundation and its affiliates and changes in the availability of capital and financing to meet them. Lack of funds may affect the development of the SBCC platform and the use and potential value of SBCC tokens.

(v) The SBCC project and launching plan may be suspended or disbanded due to various reasons, such as adverse fluctuations in the value of the SBCC token, business relationship failure, or a competitor's intellectual property rights claims during development/operation and it may adversely affect potential utilization.

(vi) Risks related to the lack of interest by companies, individuals, and other organizations in the SBCC token project and service, and the limited public interest in the creation and development of distributed applications. This lack of interest may limit funding or affect the development of the SBCC project and utilization and potential value of the SBCC token.

(vii) The risk of applying major changes to the SBCC token or major functions and specifications of the SBCC project prior to launching or implementing the SBCC project and SBCC token ecosystem. Although the SBCC Foundation intends that the SBCC token and SBCC functionality will be consistent with the content of the white paper, these changes may nevertheless be applied.

(viii) Risk of competition with other platforms that could potentially adversely affect the SBCC token and the SBCC platform(e.g., when project does not achieve commercial success or the prospects are bleak due to competing project)

(ix) The risk that a third party or other person intentionally or unintentionally implants harmful or malicious code into the SBCC project, interfering with the SBCC project infrastructure and utilization of the SBCC token. The blockchain used in the SBCC project is also vulnerable to such attacks, so it poses a risk to the operation of the SBCC project and related services.

POTENTIAL RISK

(x) Due to the occurrence of catastrophic events such as force majeure natural disasters, the business operations of the SBCC foundation and its affiliates and other factors beyond our control may be affected. Mining attacks, attacks by hackers or other individuals may result in theft or loss of SBCC token sales proceeds, theft or loss of SBCC tokens, and impairment of SBCC token ecosystem development capabilities.

(xi) The SBCC token and other cryptocurrencies are new and untested technologies and are constantly evolving. The full functionality of the SBCC token is not yet complete and there is no guarantee of completion. As technology advances, advancements in encryption technology and methods, changes in consensus protocols and algorithms, etc. may pose risks to the SBCC token, the sale of SBCC tokens, the SBCC project, the SBCC token ecosystem, and the use of SBCC tokens.

(xii) The SBCC token does not grant any decision-making authority to other entities regarding the SBCC project, SBCC ecosystem, SBCC etc. All decisions, including suspension of SBCC products and services and SBCC token ecosystem, additional creation and sale of SBCC tokens used in the SBCC token ecosystem, and sale and liquidation of SBCC, are made at the discretion of the SBCC platform.

(xiii) The tax and accounting practices of SBCC tokens are uncertain and may vary by jurisdiction. The purchase of SBCC tokens may have a negative impact on tax processing, and we recommend that you seek independent tax advice. In addition to these stated risks, there are other risks that the SBCC Foundation and its affiliates cannot predict. There may also be risks of unexpected combinations and variations.

(b) If the above risks and uncertainties develop into actual situations, the business, financial condition, operational results, and outlook of SBCC Foundation and its affiliates may be materially and negatively affected. Doing so may result in you losing some or all of the value of the SBCC tokens.

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NO ADVICE

No information in this white paper shall be regarded as business, legal, financial or tax advice for SBCC token, SBCC foundation or its affiliates. We recommend that you seek the opinions of other experts such as legal, finance, tax, etc. for SBCC token, SBCC Foundation and affiliates, and related businesses and operations. The financial risk of purchasing SBCC tokens may apply indefinitely.

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