“Things change that’s the MOS”
# CONTENTS

Abstract ........................................................................................................................................... 2

1. Overview ....................................................................................................................................... 4

1.1 Background – The future of blockchain ..................................................................................... 4

2. SmartX Blockchain platform ........................................................................................................ 6

2.1 Ecosystem with versatility ........................................................................................................... 6

2.2 Eco-friendly mining .................................................................................................................... 8

2.3 Sustainable development ............................................................................................................. 8

2.4 Preview of MOS ......................................................................................................................... 10

2.5 Smart mining method .................................................................................................................. 11

3. Roadmap ...................................................................................................................................... 11

4. MOS Coin, Add PayGate Service ................................................................................................. 12

4.1 MOS Allocation ......................................................................................................................... 13

4.2 Use of Proceeds ......................................................................................................................... 13

4.3 Funding Structure ...................................................................................................................... 14

4.4 Sales Info ................................................................................................................................ 14

Contact Support ............................................................................................................................ 15
Abstract

As the success and growth of blockchain-based cryptocurrency have proven, the future will witness a decentralized, efficient, and comprehensive global ecosystem.

At this juncture, we would like to present MOS Coin, which will provide opportunities to participate in mining and to connect with more businesses as ‘whoever, wherever and whenever’ using mobile device via an innovative SmartX blockchain platform.

MOS Coin’s blockchain network is maintained by a smartphone hash.

Assuming a smartphone is working 24 hours a day for a year, it will use approximately $10 worth of electricity. Compared to the power consumption of the existing blockchain miners, this is a 99.24% improvement, offering greater eco-friendliness, lower cost and higher accessibility.

This solution will improve mining participation in areas with unstable power production, such as Central Asia, Africa, South America, and South East Asia. Even in countries where extensive mining is taking place, the SmartX blockchain network can bring a significant reduction in the extremely high power consumption rate that often causes social problems, resulting in social cost savings needed to maintain the blockchain.

Blockchain network using smartphones

Distribution and decentralization of coins via high accessibility

[Figure A-1] SmartX Driving System Structure

Be the next driving force with the SmartX blockchain platform
The characteristics of the MOS Coin ecosystem are as follows.

First, mining no longer requires expensive hardware, CPU, a graphics card, or dedicated machines (ASIC or GPU).

More significant opportunities to participate in mining are given to more countries and people by using smartphones which are already available all over the world in billions.

This means overcoming the technical limitations of moving towards universal ownership and it is the starting point as well as a necessary and sufficient condition for cryptocurrency to indeed function as a currency.

Through the substitution of the coin market preoccupied with certain countries with a smart and generalized mobile environment, the general population distributed in over 100 nations can now become miners and users. This will create a blockchain that matches its original aim as a distributed ledger and hence, its value shall be recognized.

Second, the problem of polarization characterized by the concentration on specialized mining firms or specific nations can be resolved by distributed mining.

Currently, mining activities are heavily skewed towards specific countries only, and such polarization reduces the functionality of blockchain as well as its value as a currency.

If the mining cost increases and the payback period of investments is further extended, this means that the maintenance cost of blockchain is on the rise and may result in its collapse in the long term. Therefore, a better technological solution needs to be provided to maintain a sustainable network.

Third, mining trend changes are focused on eco-friendly, low-energy based methods with plans for social contribution.

Here is a simple comparison of the power consumption required for mining.

S9, a miner by Bitmain requires 1,350 - 1,500 W, and 8-Way GPU by Supermicro requires 800 - 1,300 W. Conversely, a smartphone requires only 7 - 10 W resulting in a 99.24% savings, approximately.

It is no exaggeration to say that a mobile environment would offer the lowest power consumption among all existing coin mining environments.

Fourth, the SmartX Blockchain Network (SBN) can maintain the network with a low cost.

Some of the features possible with SBN are: issuing a functional token through our platform, a smart contract that signs contracts between two or more parties and performs a verification, a mobile money transfer that can withdraw cash from an ATM and transfer money via smartphones, access to digital content like games, music and movies, and booking tickets at over 200 branches.

SBN’s opportunities and future value are a result of the following features: it is equipped with functionality both as a blockchain platform and a subsidiary currency, can create and expand an ecosystem, share its system and offer a low-cost, highly efficient network. This is MOS Coin’s vision.
1. Overview

1.1 Background – The future of blockchain

That current blockchain systems spend a vast amount of money to maintain their network is a well-known fact.

Vitalik Buterin (Ethereum’s founder) announced changing from a POW to a POS method since the high cost was becoming unbearable. Many coin companies are now choosing the token method to save cost and to enter the ICO market easily.

MOS has focused on the fundamental solution of maintaining an agile and sustained blockchain network with continuity in the long term, to expand features like a robust platform, and to distribute and maintain nodes with a low cost. As a result, MOS Coin (Mobile Smart Coin) was born.

---

**SmartX Blockchain is an Ultra Low Power Platform**

An open system supporting development and the use of diverse tokens

---

**[Figure A-2] Core Value**

SmartX Blockchain platform

- Global
- Eco
- Credit

- Highly profitable cryptocurrency mining
- Easier than MOS coin Mining
- More energy efficient than mining bitcoin

---

Efforts to resolve the high cost problem of existing blockchain networks

Develop a low-cost platform with agility, sustainability and continuity
1.2 Vision

We have introduced the 'mobile mining' concept into the blockchain and developed an environment with the minimum maintenance cost for a blockchain network.

MOS’ goal is to expand into diverse businesses with the SmartX blockchain platform built for mobile devices.

Together with the optimization of decentralized technology, MOS will be at the center of connecting with meaningful businesses in the real world while creating a new world of opportunities.

Anyone can create a new blockchain business in MOS and such an activity will connect with other businesses to form another new ecosystem.

SmartX will be newly defined as an innovative case study in the existing cryptocurrency market and will become a platform for the creation of a new ecosystem.

Building a mobile-based ecosystem
Greater scalability to connect with diverse businesses

[Figure 1-1] MOS Blockchain Network Architecture
2. SmartX Blockchain platform

2.1 Ecosystem with versatility

The SmartX blockchain platform is expected to become a globalized cryptocurrency that reduces blockchain’s maintenance cost remarkably by applying a lightweight mobile-based hash algorithm aiming for convenience, economy and popularity.

This will not be a simple platform change but a change of the cryptocurrency ecosystem.

Due to the fast growth in security and stability of blockchain technology, the cryptocurrency market distributed network type is rapidly growing. According to NIPA, the cryptocurrency market’s volume has increased to USD 155.4 billion (KRW 1.75 trillion) approximately as of October 2017. Gartner, a marketing research firm, expects the annual growth rate of blockchain to be 120% as of 2020 and the business value to exceed USD 3 trillion by 2030.

Currently, there are more than 1,100 different cryptocurrencies registered and traded at the exchanges, but Bitcoin (USD 80.1 billion) and Ethereum (USD 28.8 billion) make up 70% of the total market share with regards to market capitalization, as of October 12, 2017.

Blockchain’s characteristic of a transparent transaction through a distributed ledger system makes it possible to reduce the cost of security, supervision, and regulation. Because it does not require a central server for the transaction information and verification or a massive infrastructure, cost reduction is made possible.

To add a block to a blockchain, it is necessary to have a proof of work process to validate the data to be recorded at the ledger by a consensus algorithm between each node, and a phase to verify the validation of the block created later.

During this process, mining is needed to create credible blocks, and a reward is given when mining is successful. The newly created block is transmitted to all participants within the network, undergoes validity verification, and is connected to the existing blocks.

[Figure 2-1] Characteristics of cryptocurrencies and MOS
MOS Coin’s innovation begins with avoiding excessive energy use caused by ASIC-based professional mining and forming a new mobile cryptocurrency platform that anyone can possess and use with mobile phones.

MOS Coin provides a newly enhanced and mobile mining environment that existing cryptocurrencies cannot offer.

According to eMarketer, a digital data research firm, around 2.4 billion people, that is one-third (32%) of the world’s population as of 2017, are estimated to use smartphones.

By leveraging an already generalized mobile environment as a platform, anyone can download the app from a commercialized app store and begin participating in mining.

In other words, the essential mechanism of blockchain is inherited but the mining cost is lowered. By creating a platform for many people from more than 100 countries within a P2P network, transaction information and the network are distributed and security is improved.

High mining accessibility will increase the number of users and possessors and in turn result in the vitalization of transactions and the creation of a virtuous circle of new hashpower for a versatile cryptocurrency ecosystem.

[Figure 2-2] SmartX Blockchain platform Cycle
2.2 Eco-friendly mining

Mining today is becoming monopolized by large miners with infrastructure and funding and countries with a seamless power supply are becoming the major markets.

To solve such issues, ASIC and GPU mining methods must be significantly improved.

According to Peter Fairley’s report in IEEE Spectrum last September, Bitcoin is already consuming an enormous amount of electric power. He said the computing server racks used by bitcoin miners are spending as much electricity as a small size city.

A US meteorologist stated that every year 32 terawatts, enough electricity for 3.4 million homes in the US, is used for mining. By 2019, this rate will go up to equal the supply amount for the entire US, and hence most mining is expected to be done in China.

As the size of mining increases, the initial cost, electricity bill, and rent are rising, but it has reached a state where a mining machine worth 5,000 dollars can only mine 0.002 coins.

In that case, let us compare how much power is consumed to mine 10,000 coins.

S9, an ASIC miner by Bitmain spends 1,350 - 1,500 W, and 8-Way GPU by Supermicro spends 800 - 1,300 W, whereas a mobile phone only spends 7 - 10 W: a savings of almost 15,000%.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Mobile</th>
<th>PC</th>
<th>S9</th>
<th>8-Way GPU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wh</td>
<td>7 W–10 W</td>
<td>500 W–800 W</td>
<td>1350 W–1500 W</td>
<td>800 W–1300 W</td>
</tr>
<tr>
<td>Month</td>
<td>$1</td>
<td>$12</td>
<td>$109</td>
<td>$81</td>
</tr>
<tr>
<td>Year</td>
<td>$10</td>
<td>$135</td>
<td>$1,310</td>
<td>$971</td>
</tr>
</tbody>
</table>

In other words, if the current high-cost of the ASIC and GPU mining methods are switched to the more economical mobile-based method, the power consumption rate is markedly decreased resulting in the most effective P2P network with a minimum cost.

Now, many miners who used to mine for pleasure will return to form blockchain on their own, solving the problem of transparency and security and increasing the credibility of transactions.

2.3 Sustainable development

MOS Coin’s new mobile cryptocurrency ecosystem is based on differentiation and utility and the practice of economic, efficient and fair distribution to prevent the centralization of blockchain-based coins. Now, the cryptocurrency market will return to decentralization, which was its original position.
Moreover, our mobile cryptocurrency ecosystem can be proposed to many cryptocurrencies that have lost their original functions due to mining and blockchain-based technical difficulties, enabling them to improve smoothly and continuously. Creating such an ecosystem that contributes to the society at large is another aim of our development effort.

Subsequently, all cryptocurrencies will use MOS Coin as their standard and basis, but MOS Coin itself will be the first case having all privileges to the new mobile cryptocurrency ecosystem.

For example, a mobile money transfer system that enables cash withdrawal from ATMs in developing countries, transferring money to anywhere in more than 125 countries with a phone number, and topping-up a cellphone bill and saving as cash can be engrafted and used as a means of payment for tickets, games, music, and advertising.

In the long term, an ecosystem where functional tokens can be issued by utilizing the stable nodes of the SmartX blockchain network will be formed and developed.

MOS Coin’s future will continue to improve and be developed as a system closely related to everyday life by growing into a globally used cryptocurrency working as a means of currency exchange, payment, value measurement, and communication.
2.4 Preview of MOS

- A smartphone user living in Angola, Africa (Male, 35 years old, with two sons)

Tom is an ordinary head of a household living with his wife, two sons, and his parents in a place with beautiful natural scenery near Luanda, the Angolan capital.

He does not own a computer, and his smartphone is the only tool for communication, shopping, and transactions. He has recently obtained MOS Coin via a mobile app and now wants to try something new.

The mobile phones of his family members are placed by a window where the sunlight is flooding in.

The mobile phones are busily mining MOS Coin, and his eyes are focused on his boys playing outside.

He uses the mined MOS Coin to buy a soccer ball on Amazon.

The soccer ball arrives home within a week, and he gives it to his elder son as his birthday present. The boys, who dream of becoming soccer players in the future, are not tired of playing with the ball and watching them play gives him a big smile.

Tom imagines their future and places his phone back on the window ledge today.

‘This Story Teaser is a possible future mobile advertisement of the SmartX Blockchain platform by MOS.’
2.5 Smart mining method

Mining participation is quick and easy and can be done by leveraging an iOS or Android smartphone.

After accessing an app store via a wireless network and downloading the Smart Miner, mining can begin immediately.

The Mining Monitor app can monitor and control the mining situations. The app can also store, send, and receive MOS Coin. Additional features are also provided for multi-miners with many devices.

Blockchain’s changes can be visually checked via the app.

[Figure 2–5] Simple Miner

3. Roadmap

- **3rd Quarter 2017**
  - Blockchain R&D team created
  - Developed cryptocurrency trading engine and exclusive selling menu for the miners
  - Initial conceptualization of SmartX Blockchain Platform (SBP)

- **4th Quarter 2017**
  - SBP project planning and research on technical aspects
  - Formed a dedicated team for the MOS Coin project (SBP–based) and completed conceptualization
1st Quarter 2018
- Release white paper
- Official MOS Website
- Team reinforcement
- Pre-Sales
- Upgrade SBP development

2nd Quarter 2018
- ICO
  - Expert MOS Website
  - Smart Mining Android & iOS beta version Test
  - MOS Blockchain API Center Open

3rd Quarter 2018
- Main network release
  - Go public with mining-pool client
  - Go public with smart mining application
  - List cryptocurrency on major exchanges
  - MOS Coin mining begins
  - Support master node community
  - Add CtoC Trading service
  - Add Coin Send & Money Transfer

4th Quarter 2018
- Establish SBP R&D center for enhancement
  - Open Platform Develop Center for ecosystem expansion
  - Support issuance of functional token and technical investment

4. MOS Coin, Add PayGate Service
4.1 MOS Allocation

- 80% of MOS Coin is allocated as Smart Mining and is available to anyone easily.
- 7% of MOS Coin is used for the maintenance and management of MOS’ network ecosystem.
- 13% of MOS Coin is distributed to MOS Pre-Sales, ICO, and the stakeholders. More specifically, 3.5% for Pre-Sales, 5% for ICO, 1.5% for the investors, 2% for the advisors, and 1% for the team are distributed.

4.2 Use of Proceeds

- 35% of the capital will be reserved.
- 35% will be spent on developing the technology for SmartX Blockchain, Smart Contract, DAPP and token, and the connected platform by the development company.
- 10% will be used as the operational cost of marketing, accounting, legal, and operations.
- 10% will be used for MOS’ global marketing, social media channels, and advisors.
- 10% will be used for establishing offices and developing businesses in major cities around the world for strategic partnerships and business development.
4.3 Funding Structure

MOS Coin will be paid after ICO is completed. However, the payment date may change depending on the progress.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Date 2018</th>
<th>Quantity</th>
<th>Percent</th>
<th>Vesting</th>
<th>Bonus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Sale</td>
<td>03/19 - 03/25</td>
<td>35,000,000</td>
<td>3.5%</td>
<td>12 (Month)</td>
<td>10%</td>
</tr>
<tr>
<td>ICO</td>
<td>05/01 - 06/30</td>
<td>50,000,000</td>
<td>5%</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Mining</td>
<td>Undefined</td>
<td>800,000,000</td>
<td>80%</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Investors</td>
<td>-</td>
<td>15,000,000</td>
<td>1.5%</td>
<td>18 (Month)</td>
<td>10%</td>
</tr>
<tr>
<td>Advisors</td>
<td>-</td>
<td>20,000,000</td>
<td>2%</td>
<td>24 (Month)</td>
<td></td>
</tr>
<tr>
<td>Team</td>
<td>-</td>
<td>10,000,000</td>
<td>1%</td>
<td>60 (Month)</td>
<td></td>
</tr>
<tr>
<td>MOS Reserve</td>
<td>-</td>
<td>70,000,000</td>
<td>7%</td>
<td>60 (Month)</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1,000,000,000</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.4 Sales Info

In total, 8.5% of the coin are sold during ICO and Pre-Sales.
Pre-Sale participants will receive a 10% bonus in addition and the MOS Coin including the 10% will be paid in installments during the vesting period.

<table>
<thead>
<tr>
<th>Classification</th>
<th>ETH</th>
<th>MOS</th>
<th>Quantity</th>
<th>Bonus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Sale</td>
<td>1</td>
<td>10,000</td>
<td>35,000,000</td>
<td>10%</td>
</tr>
<tr>
<td>ICO</td>
<td>–</td>
<td>–</td>
<td>50,000,000</td>
<td>–</td>
</tr>
</tbody>
</table>

Contact Support

- Homepage: www.mosbc.io
- e-mail: info@mosbc.io