



PLOSIVE
Mobile Mining Platform

White Paper V1.0 - ENG

Last Updated: 2020. 03. 05

plosive.io

Table of Contents

1. Abstract

2. Current Status and Problems

2-1. Cryptocurrency Industry Overview

2-2. Weak Point of Current Cryptocurrency Market

3. The Plosive Platform

3-1. Why Mobile Devices Based?

3-2. Overview of Plosive Platform

3-3. Simulated Version of the Plosive Platform

3-4. Real Version of the Plosive Platform

4. Token Distribution

4-1. Token Information

4-2. Token Distribution

5. Roadmap

6. Legal Disclaimer

1. Abstract

When cryptocurrency (crypto) mining was in its infancy, miners were only a few thousand nodes, and it has been managed by so-called transparent rules, where the rewards for mining (coins) are distributed by relatively transparent rules. In addition, the amount of power required for mining was microscopic, so it was not harmful to the climate.

However, someday everything changed. The exponential growth of crypto mining has led to a sharp increase in the amount of electricity, and intensive mining has been carried out mainly in developing countries.

More seriously, mining is concentrated by two or three large miners. Due to the operating limitation of Main Net, the value of the blockchain that guarantees the integrity of transactions is distorted, and the unique protocol of the blockchain also faces risks.

Plosive mission is to simplify the mining process, giving equality to all nodes. As an all-in-one solution, Plosive is positioned in the public's interest in crypto mining

As a differentiating factor of Plosive solution, you can mine with only one smartphone and implement the blockchain structure and algorithm equivalent to the general PC mining base without special technology in installing and using mining solution.

Plosive naturally focused on the daily use of smartphones by citizens (people), and it is a project that allows them to mine naturally without any inconvenience in using smartphones every day. This project is a scalable mining model that drives the power of ubiquitous smart devices all over the world. In addition, compared to the current Crypto Mining Model, it is an eco-friendly low power model.

Plosive's revenue ultimately pursues the transaction fee of the main network. (However, in the Simulated Version of Plosive Platform, which will be mentioned later, the advertising fee of the affiliated Project Team is the main revenue.)

Plosive has the following features:

- A cryptocurrency that is mined and maintained on a P2P mobile basis.
- Basically, it includes minor solution and crypto wallet, is free and easy to use, and is Android and iOS-based app.
- A consensus algorithm that is differentiated and customized to maximize rewards. A consensus mechanism that mixes Proof of Work (PoW) and Proof of Execution (PoE) methods, allowing miners to get the total time executed as a reward through the app.
- In the long run, you can make payments while purchasing goods at POS terminals linked to PLO Coins.
- The background running program inside the smartphone prevents the smartphone from being harmed

2. Current Status and Problems

2-1. Cryptocurrency Industry Overview

By the end of 2017, the cryptocurrency market has reached an all-time high due to increased media and public interest. By the end of the year, the market totaled \$ 600 billion, which is an increase of more than 300% compared to October 2016, and the total number of cryptocurrencies has increased to more than 1500. In addition, it can be seen that the Bitcoin futures contract for CBOE and CME began in December 2017 due to the rapid rise in the price of cryptocurrencies such as Bitcoin.

This has spurred many people on the cryptocurrency boom. According to the Coinbase Survey (conducted in February 2018), 10% of the total participated in the cryptocurrency market for the first time in 2016, while the first-time participants in the cryptocurrency market increased to 60% of the total in 2017.

This increase in cryptocurrency market participation has led to a massive increase in new accounts for cryptocurrency exchanges such as Coinbase, so they struggled to keep up with the demand and often issued 100,000 new accounts a day.

The number of transactions increased significantly as new participants entered the cryptocurrency community and the market cap increased, resulting in an increase in the number of average daily cryptocurrency transactions by about 220% in the fourth quarter of 2017 alone. The greater the volume of cryptocurrency transactions, the greater the need for mining.

Mining is a very important feature that allows blockchain networks to eliminate “the uncomfortable function of current systems by relying on third parties such as banks”. It is so-called an element that enables the archiving of a decentralized (distributed) ledger (record). When the miners agree on the transaction details, the transaction details are confirmed and added to the ledgers distributed to all full nodes (miners). In addition, mining is a way for new coins to be generated (rewarded). Rewarding new coins is an important motivation for mining. In other words, it is to allow miners to participate in the blockchain network.

Miners compete for block rewards (rewards for transaction fees and rewards according to the creation of new blocks). In other words, it is a structure in which miners who solve crypto puzzles first monopolize rewards according to new block generation. The more miners in your network, the higher the hash rate and mining difficulty. Interest in the opportunity to obtain cryptocurrency has gone beyond the area of the existing a few miner groups.

According to one estimate report, bitcoin miners earned about \$ 7 billion a year from block rewards based on price, as in January 2018.

2-2. Weak Point of Current Cryptocurrency Market

After 2017, growth and interest in cryptocurrency has been at the forefront, but it still needs more preparation before the public can fully accept it as a means of doing business.

2-2-1. Cryptocurrency distribution market difficult for beginners to access

More and more people are learning about the cryptocurrency ecosystem, such as Bitcoin and Ethereum. And they want to be crypto enthusiasts. Despite these demands, however, the technical knowledge to enter the crypto market is overwhelming for beginners.

New entrants in the cryptocurrency market often need instructions and advice on how to buy or sell cryptocurrencies. Another common question is about wallets. "Where should I get my wallet?" is one of the frequently asked questions of new cryptocurrency market entrants.

In addition, many novices do not realize that cryptocurrency is different from real cash. Due to this general situation, cryptocurrency has not yet been adopted as a payment solution for daily purchases.

2-2-1. Cryptocurrency mining market with high entry barriers

Today, cryptocurrency mining requires expensive, high-powered computer equipment. As more and more miners join, the device (graphic card) must be faster in order to receive cryptocurrency rewards. Currently, most mining is mining using PoW consensus algorithm. This means rewarding people with more computational power (hash rate). In other words, money and energy (electric power) are required for successful mining. One estimated data reported that mining power has increased more than 700% in a year due to growing interest in mining.

In general, it is very difficult for ordinary individuals to introduce mining equipment to enter the PC-based cryptocurrency mining market where rewards (coins) are rewarded. As a result, the current mining market is becoming fixed in the form of monopoly of corporate miners with large capital.

Confronting this problem, the Plosive Project Team planned to build a smartphone (mobile) based mining environment that anyone can use easily, and this white paper covers the details.

3. Current Status and Problems

3-1. Why Mobile Devices Based?

Plosive has developed a new accessible mining model to provide services to the undeveloped mining market, and anyone with a smartphone (mobile device) device can send cryptocurrency and perform mining.

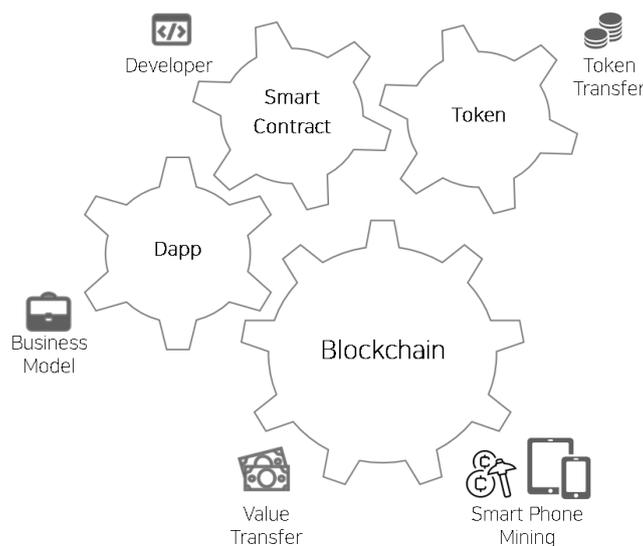
Currently, 2.1 billion mobile smart devices (virtually minicomputers) are already in circulation worldwide.

In many developing countries, mobile devices are already in widespread use beyond wired devices. Smart mobile devices enable unprecedented levels of cryptocurrency mining for people without specialized technical knowledge or equipment and those who live in areas with high electricity rates for PC mining. Plosive will provide a simple user experience and platform that will allow all users to fully participate in the new cryptocurrency economy regardless of their technical capabilities. Users can fully participate in the new cryptocurrency economy by earning Plosive Coins with their mobile devices.

With decentralized open cryptocurrency, Plosive is an innovative solution with customized blockchains and algorithms for consensus optimized for mobile devices. Plosive Solution focuses on improving user convenience and speed of transactions so that a large number of users can select as a global public blockchain (mainnet).

3-2. Overview of Plosive Platform

The conceptual diagram of the Plosive Platform is as follows. Unlike other projects, however, the Plosive Platform is divided into Simulated Version and Real Version.



Plosive Blockchain Network Structure

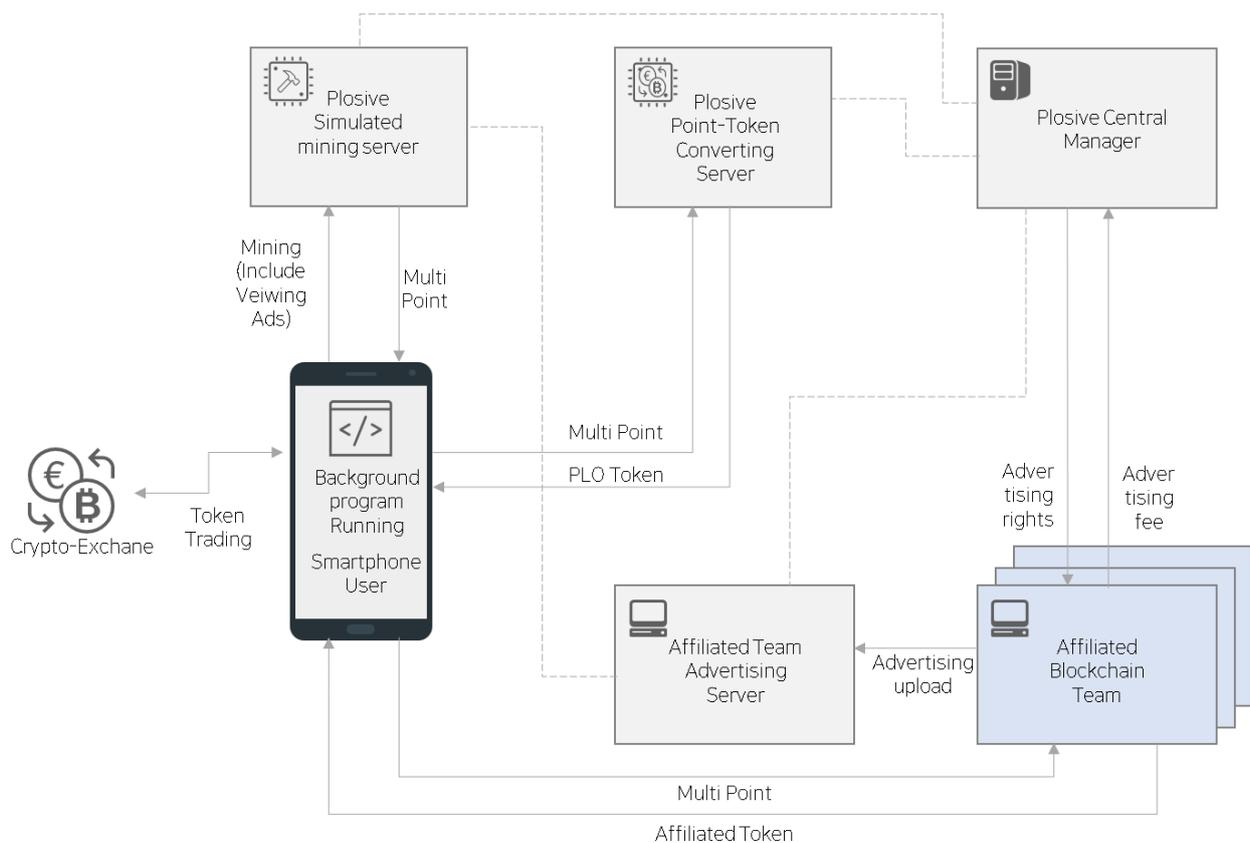
3-3. Simulated Version of the Plosive Platform

The main reasons for the Simulated Version of the Plosive Platform are as follows:

- 1) It makes it easy for people with low interest in the blockchain to easily access it without repulsion against the blockchain.
- 2) Building from the main net in earnest at the beginning may cost a lot of network fees, so you will eventually have to develop a testnet, which can slow down the progress of the development.
- 3) In case of an unexpected error, it is easier to wipe out bugs than Real Version.
- 4) If an error occurs when recruiting beta testers, trust in the Plosive Platform may be lowered.
- 5) Prototype can be developed more easily than existing blockchain mainnet construction project, and the development direction can be checked, allowing for quick modification.
- 6) It is easy to increase the number of existing front-end and back-end developers needed for development.

3-3-1. Block diagram of Simulated Version

The Block diagram of Simulated Version is as follows:



Simulated Version of Plosive Platform

3-3-2. Data Flow and Key Features of Simulated Version

In the above-mentioned simulation platform block diagram, the roles and functions of each member are explained based on the flow of points and tokens as follows: (The solid line in the block diagram is the flow of data (cash, points, tokens, instructions (order), etc.), and the dotted line represents the linkage between systems.)

(1) The smartphone user runs the simulation mining app in the background of the smartphone normally used.

(2) The smartphone user receives multi-points as rewards for mining once every 24 hours.

- As the initial value, users are rewarded with 24multi points for mining once per day (24 hours).
- However, as a finishing stage of mining, users must watch the advertisements of affiliate teams without skipping.
- The acquired (multi) points can be used as a means of payment to purchase the affiliate team's own token.

(3) Smartphone users can convert the earned points into tokens (PLO tokens).

- In other words, you can apply for the conversion of your own points earned '(points (return & burning)-tokens (new receipt))' to the converting server.
- If you apply, the returned & burned 24 points will be converted to 1PLO. From this time, you will be rewarded with 25 multi-points a day (24 hours). It has the effect of upgrading a kind of mining power.
- Simply speaking, the point reward rate per day (24 hours) is that you will receive (PLO quantity in your wallet +24)point/Day
- According to user's preference, it can be divided into point preference type and PLO token preference type as below.

Category	Features
PLO Token preference	<ul style="list-style-type: none"> - In the future, it is possible to receive 1: 1 swap in its own coin of Plosive Platform Real Version. - In the future, it can be used as a network fee in Dapp under the Plosive Platform Real Version. - Immediately, you can trade PLO tokens on the Cryptocurrency Exchange
(Multi) point preference	<ul style="list-style-type: none"> - Immediately, you can easily purchase tokens issued by blockchain project teams affiliated with Plosive - Immediately, you can trade tokens of project teams on the Cryptocurrency Exchange

(4) In advance, the affiliated Project Team will pay a predetermined advertising fee to Plosive.

(5) The Project Team who paid the advertisement fee can acquire the right to mount its advertisement from Plosive and upload its advertisement to the advertising server.

(6) Uploaded advertisements are exposed to the mandatory advertisement viewing part, which is the final stage of mining of smartphone users. At this time, Project Teams can enjoy the advertisement effect.

(7) Advertisements are generally based on video ads of 30 seconds or less, but are subject to change according to Plosive's policy.

3-4. Real Version of the Plosive Platform

3-4-1. Block Diagram of Real Version

The block diagram of the Plosive Platform Real Version is as follows



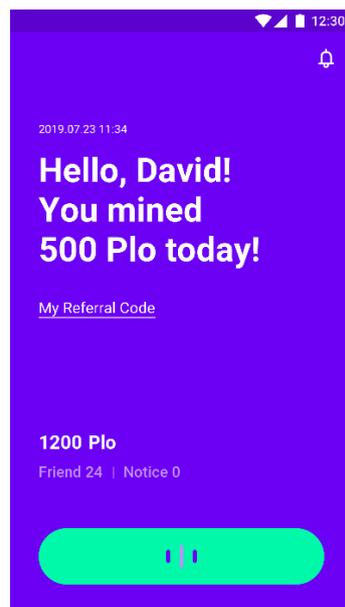
Real Version of Plosive Platform

3-4-2. Key Features of Real Version

- (1) Unlike public blockchains made up of other PC (ASIC) based mining systems like Ethereum, Real Version is low power that enables mining only with pure smartphone and is a public blockchain platform with a low entry barrier to miners
- (2) Real Version acquires PLO Coin by combining Proof of Work (PoW) and Proof of Execution (PoE) agreements. Through this consensus, all miners are rewarded for their participation and contribution to network growth.
- (3) Unlike the existing PoW consensus algorithm, which only rewards the miner who created and spread the block first, it rewards all miners that are used to run the Plosive Real Version app
- (4) Real Version mining app is designed to utilize the smartphone battery's built-in battery and CPU sensor to monitor device temperature and prevent overheating.
- (5) Unlike the PoW consensus mechanism (which can increase the risk of overheating), which requires the computer to work constantly to get the reward, the integration of the PoE consensus algorithm allows miners to be rewarded continuously.
- (6) In other words, the mining function of the app (calculation process for finding nonce values for block generation) is not activated, but it still works as a node while the app is open, so Proof of Execution (PoE) is applied to help miners continue to receive rewards.

3-4-3. Example of using Real Version mining app

- (1) Download Plosive Mining app from Google Play or Apple Appstore.
- (2) Create an account or log in with your SNS account.
- (3) Touch "START MINING" to start mining and acquire coins. (The following is an example screen of app.)



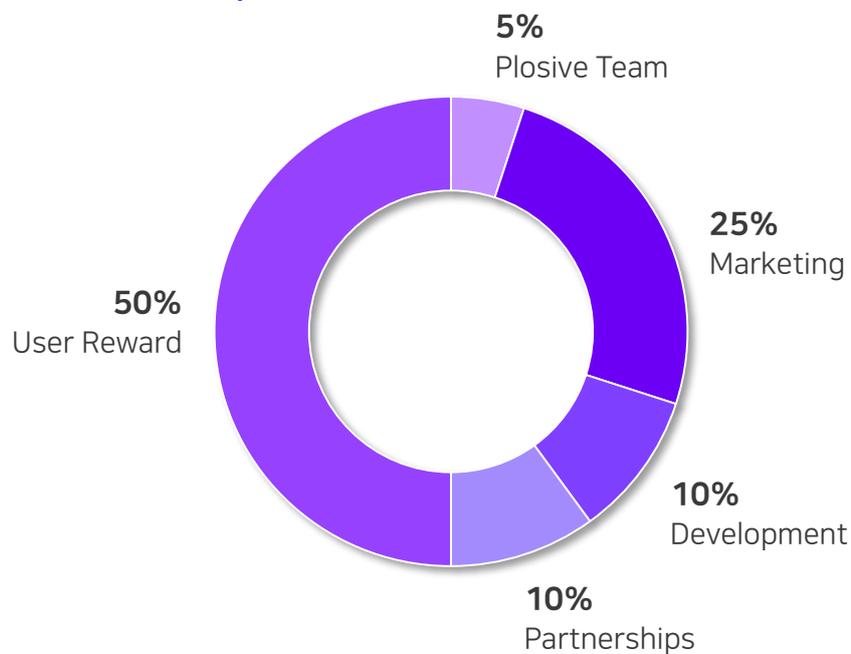
- (4) You can send PLO coin, and check your transmission details in PLO SCN.
- (5) You can check your PLO coin balance in the exclusive wallet

4. Token Distribution Fund Management

4-1 Basic Information about Tokens

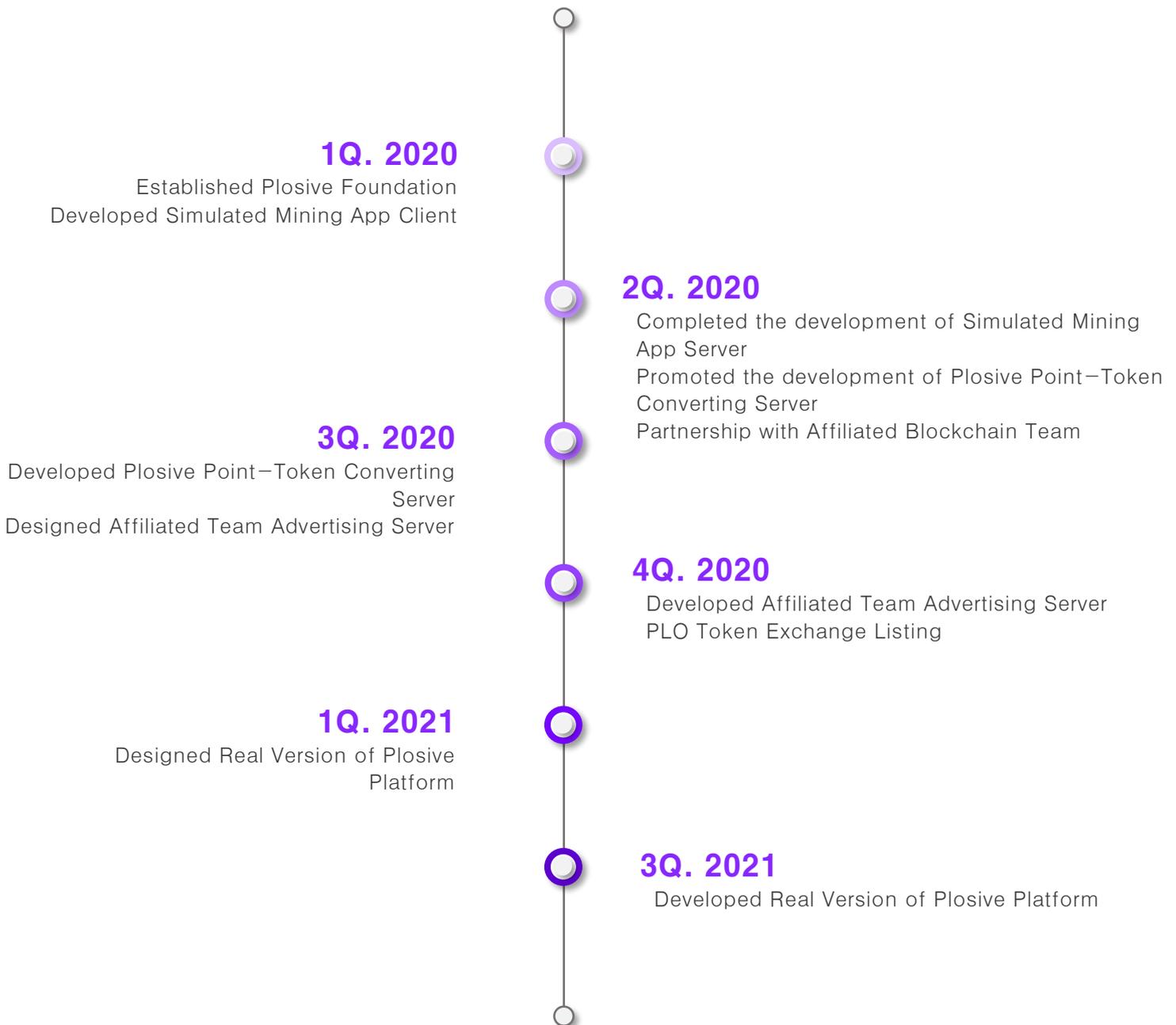
- Token name: Plosive Token
- Symbol: PLO
- Driving platform and type: Ethereum ERC20
- Decimal point: 18
- Total issue volume: 100,000,000,000 PLO
- Contract address: 0x98a8aa8c5c1cdc16a3572f4f11307cdd22e3094c

4-2 Token distribution plan



Classification	Summary	Percentage
User Reward	Reward quantity for user rewards	50%
Plosive Team	Team quantity for Plosive Platform and Foundation	5%
Marketing	Marketing quantity for marketing collaboration	25%
Development	Development quantity for Plosive Platform development	10%
Partnerships	Partnership quantity for business collaboration, such as development	10%

5. Roadmap



6. Legal Disclaimer

The Plosive Foundation Team (collectively called Plosive Foundation, its shareholders, employees, and affiliates) has written this white paper only for reference purposes in order to provide more specific information about the project and team that the Plosive Foundation team is planning.

In other words, this white paper is not intended to encourage you to invest in the Plosive Foundation Team or projects, and is not relevant at all. In addition, the Plosive Foundation Team writes and provides this paper to you 'as is' and does not guarantee that anything in the white paper, including its conclusions, will be accurate to the future.

With respect to this white paper, the Plosive Foundation Team makes no representations or warranties of any kind and assumes no liability for it. For example, the Plosive Foundation Team does not guarantee that (i) whether the white paper has been created based on legitimate rights and does not infringe the rights of third parties, (ii) the white paper is commercially valuable or useful, (iii) the white paper is suitable for the specific purpose you have, and (iv) there is no error in the content of the white paper. Of course, the scope of liability exemption is not limited to the previous example.

If you use this white paper (including, but not limited to, referring to or based on it) in your decision-making or other acts, the result is entirely at your discretion, regardless of profit or loss. Please note that the Plosive Foundation Team is not responsible for any remedies, rewards or other liability even if the use of this white paper causes damage, loss, debt or other damages to you.



[Plosive.io](https://plosive.io)



Copyright © 2020 PLOSIVE. All Rights Reserved.

Without permission, anyone may use, reproduce or distribute any material on this paper for non-commercial use (i.e. other than for commercial purposes) provided that the original source and the applicable copyright notice are properly cited.