

Empowering people financially
by distributing decentralized value.



Quasar Coin

www.quasarcoin.org

White paper

“Ecosystem platform of fair travel”

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Bitcoin, an innovative currency developed by Nakamoto Satoshi in 2008, Ethereum, a decentralized platform that runs smart contracts developed by Vitaly R. Buterin, are just the two examples of more than a thousand cryptocurrencies that are developed and traded worldwide.

However, it is true that the original cryptocurrency lacks the most important function, the real-life transaction ability. Due to the characteristics of the block-chain such as delayed settlement due to consultation time, the variability of the value of each coin in real time as well as the difference in exchange, these are some of the barriers to the activation of cryptocurrency in real transactions. It is also the case that most new coins concentrate solely on technological advances, are designed for trading purposes on coin exchanges, or one coin is aimed at multiple uses too much that it fails to achieve one objective well.

The Quasar project team focused on the realization of the cryptocurrency that is actively used in the real world, the development of APIs related to the payment system that enables users to easily and conveniently make payment, while they enjoy the journey that people like and enjoy.

"Travel makes people feel excited, but it also makes them afraid of unknown and unfairness in a strange place!"

Quasar aims to realize a fair travel ecosystem platform that allows people to travel comfortably and happily around the world through block-chain based encryption.

"Fairness" means equal and justice in general, and refers to the fair distribution of service and wealth to a group or a society.

"Fair trade" is a trade that makes benefits equal between countries where international trade takes place,

In the past, developed countries have exploited the developing countries' labor force and natural resources with unfair treatment, **"fair trade"** is a new social movement encouraging a new trade culture.

In this respect, the significance of "fair trade" means that it is possible to provide trade in favorable terms to producers who are alienated based on the trust between producers and consumers, guarantee their rights. This is also called '**alternative trade**'.

The basic principles of "fair trade" are as follows.

First, the buyer guarantees the producer a minimum purchase price, pays a fair price agreed through dialogue and participation, prepay before harvest or production to assist production financing. In addition, it will be able to take advantage of the profits by reducing the circulation process by direct dealings with the producer groups, and protect the production environment through long-term contracts rather than short-term contracts. And establish community development funds to help producers and workers' communities realize their social benefits.

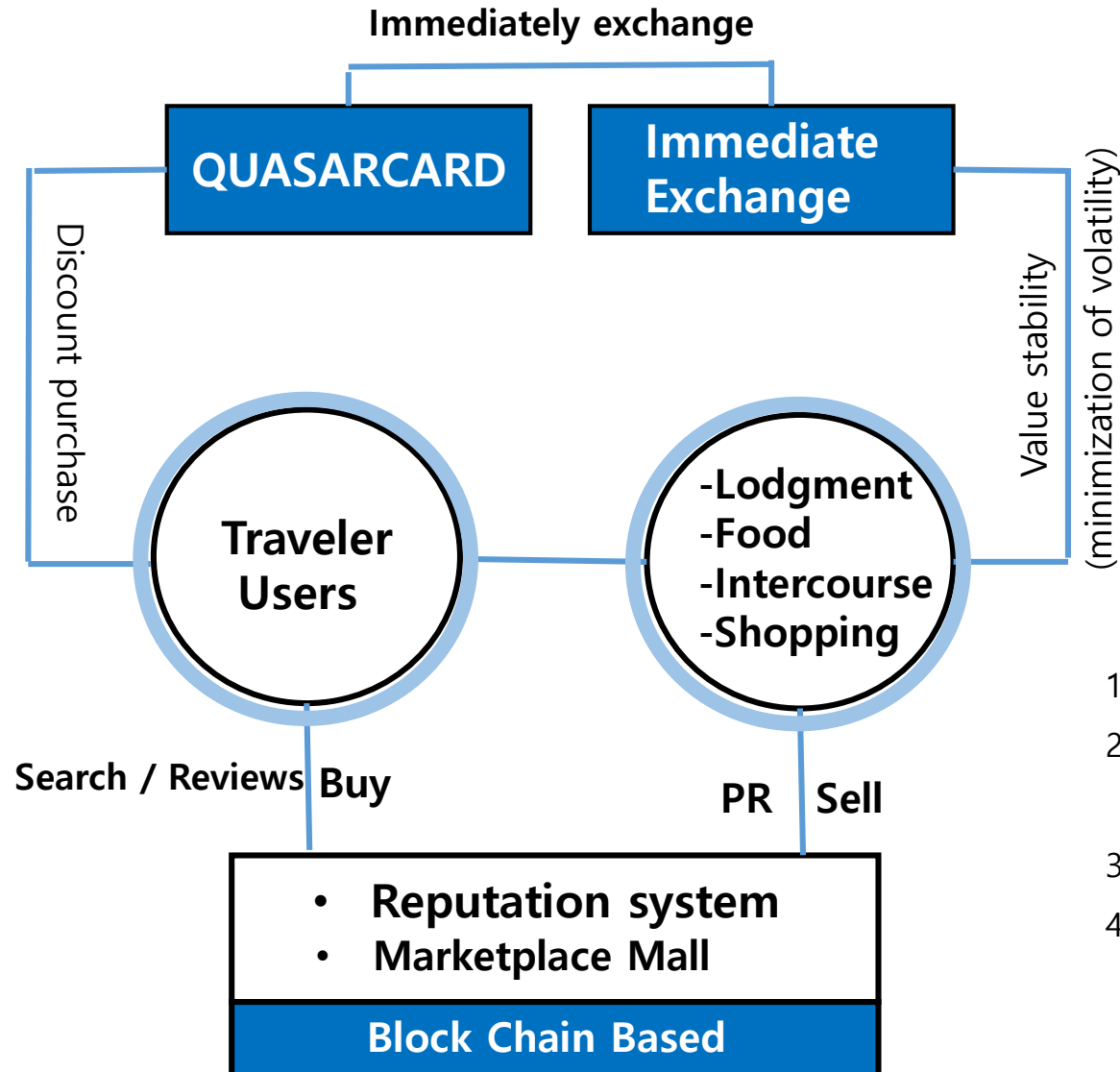
Second, the producers shall abolish discrimination related to race, nationality, religion, age or gender, and abide by the principle of equal pay for equal work. We respect the rights of children, provide a safe and healthy working environment, and strive to protect the environment.

"**Fair travel**" is also referred to as '**good travel**' as a concept derived from fair trade, in which producers and consumers form a comparable relationship. It has been promoted in European and other English-speaking countries since the 2000s to reflect the environmental pollution, destruction of civilization and waste caused by the trips, and to give a little help to the residents of difficult countries.

The tourism industry grows 10% every year worldwide, but most of the profits gained from tourism go to multinational corporations belonging to G7 countries. Therefore, it is possible to use local inns and restaurants through "fair travel", including the purchase of locally produced goods.

Quasar aims for a 'fair travel ecosystem platform' by using the characteristics of block-chain such as said that P2P direct transactions in the global environment without the intervention of third parties, transparency through the open distribution ledger, redistribution of wealth through decentralization, and trust based on transactions. We want to build a platform in which travelers, hotels, restaurants and stores around the world can mutually satisfy each other through fair trade.

Technically, we have built up an advanced reputation system based on a block chain, a simple payment system in the form of a credit card, various APIs, an instant transaction system to minimize the variability of cryptocurrency, In business, it provides discounts through discounted quasar cards and eliminates anxiety factors by using proven companies, and provides companies with promotional effects and sales increase within the Quasar platform.



- 1) Travelers buy Quasar cards at reduced rates
- 2) Travelers select a company through a reputation system, make a reservation purchase, etc.
- 3) The traveler pays by quasar if it is not a reservation purchase
- 4) The firm holds the quasars for which payment has been made, or sells them immediately on the exchange

Coin specializing in fair travel

- Travelers can purchase a quasar coin card at a reduced rate
- Travelers select a stable company through a highly reputable system
Eliminate the anxiety about unfairness in a strange place
- Local businesses can promote to people around the world through a reputation system
- Local businesses increase sales through publicity on the Quasar platform
- Local businesses will benefit from P2P direct deals without intermediaries
- Local businesses will reduce their payment fees against credit card payments

Immediate exchange to ease concerns about price volatility

- Immediately sell real-time through exchanges operated by Quasar Foundation to eliminate the price volatility of cryptocurrency
- Coin price is stable and easy to use in real transactions

Easy payment method of card type and various payment related APIs

- Provide familiar payment methods in the form of credit cards
- Provides various payment related API such as mobile card, QR code, paper wallet
- Mobile wallet provides inbound, outbound, transaction history as well as vendor search and reputation

Provide cooperative system based on coin-related block chain technology

- Provide a reputation system for travelers on a block-chain basis
- Provide reservation system as smart contract technology
- Provides block-chain based services for quasar platforms such as shopping malls

In order to become a successful currency that can be used in real commercial transactions out of the coin exchange, it is necessary to overcome these two obstacles, namely the related infrastructure system for common use besides the encrypted money self system, It is advantageous to concentrate on one category rather than multiple uses in order to enter the market steadily.

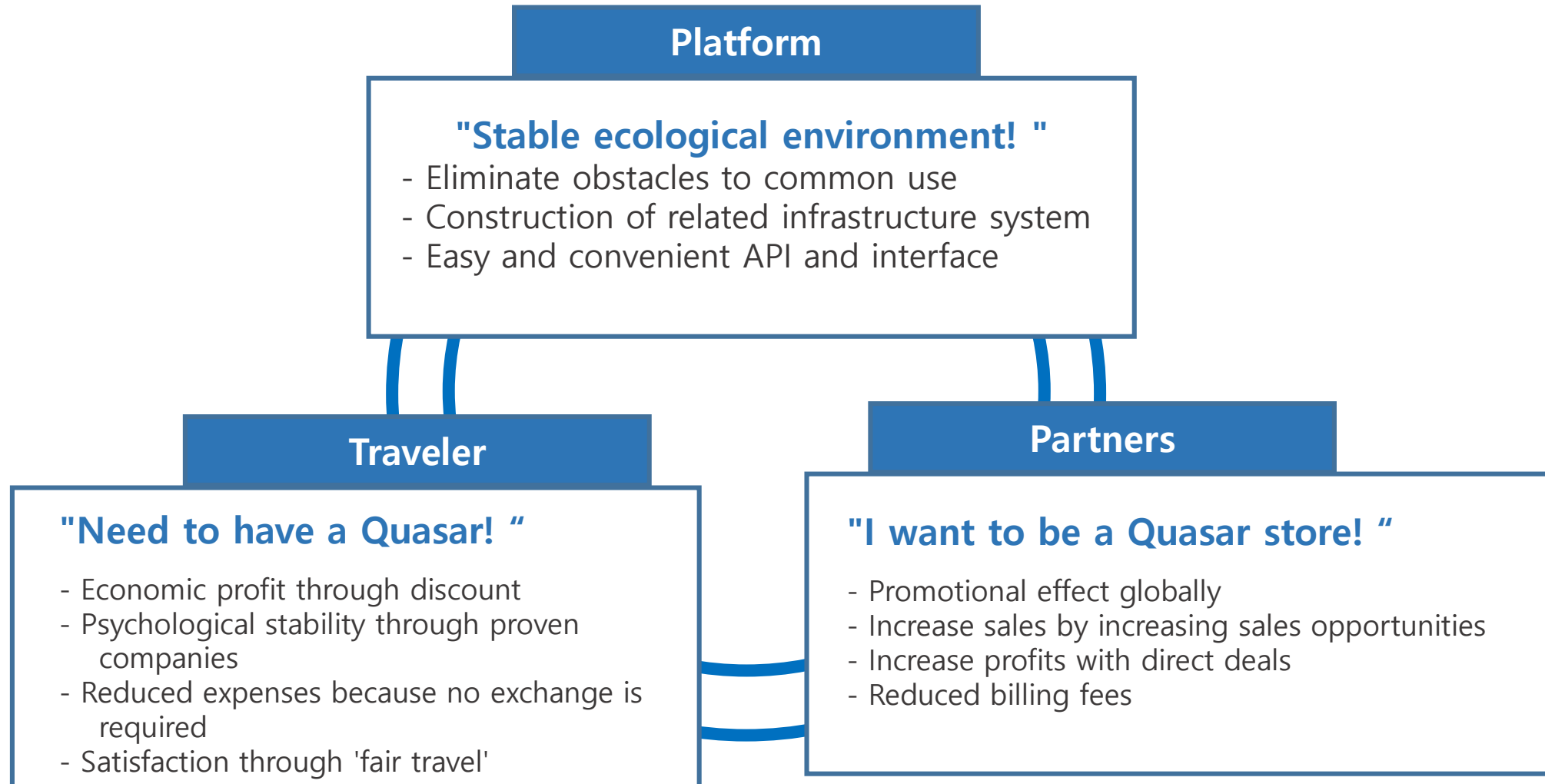
Quasar coin minimizes settlement time within 1 minute of block time,

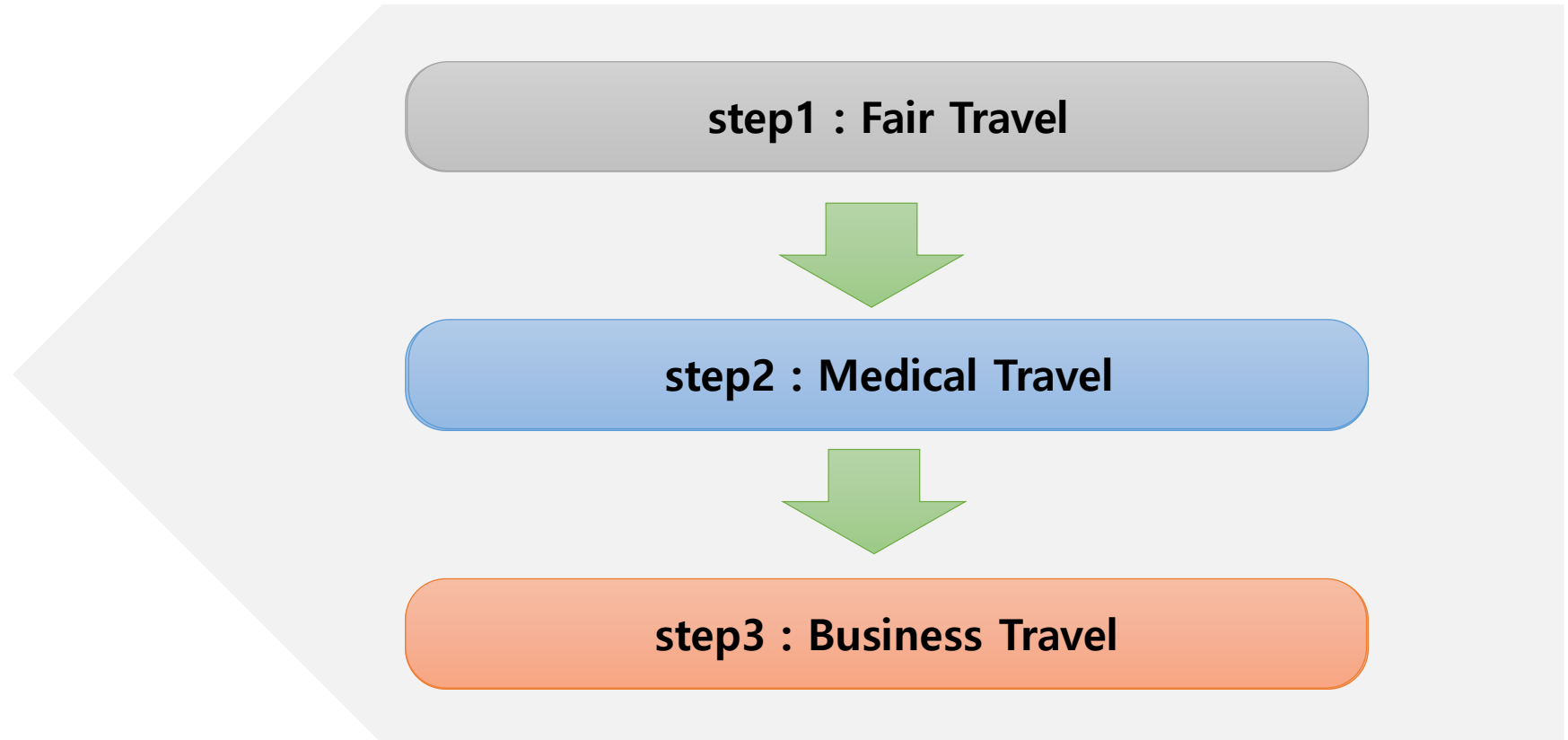
In the case of small-amount settlement of trust, transaction processing is performed based on a transaction, not on a block basis.

The volatility is resolved through the exchange immediately after the buyer can sell the stock at the time of settlement.

In addition, we provide a credit card payment method and various APIs for easy settlement. We have built a reputation system and e-commerce system using block chain technology as well as cryptocurrency, (hotels, restaurants, transportation, shopping) provide a platform for ecosystems that mutually benefit through direct transactions without third party involvement.

On the stable platforms of these quasars, travelers can enjoy the affluent '**fair travel**' with the benefit of the quasars, and the travel companies can achieve the ultimate business purpose of promoting the effects, sales, and profits with the quasar policy and system in place.





Quasar aims to be a "business travel" that requires personalized information based on broad knowledge, which starts with 'fair travel' to accumulate professional and advanced information, moving on to "medical travel" that requires knowledge of specific fields and extensive information.

Summary

Quasar Coin has adopted the bit coin platform, which has been proven to be safe as the first cryptocurrency, and applied Light Coin to reduce block time for quick settlement in daily transactions. In addition, for smooth block mining, it solves the difficulty-bomb problem which intentionally raises difficulty to make it difficult to mine.

Since the development of the quasar coin has already been completed, the project team has focused on the development of the related infrastructure system in order to activate the transaction of the cryptocurrency.



Specifications

list	contents
Coin name	Quasar
Unit	QAC
Total issue volume	368,100,000
Initial mining volume	257,670,000
Mining method	POW
Algorithm	Scrypt
Block time	Within 60 seconds
Mining reward	21QAC
Mining term	10 years
Related Services	explorer, mobile wallet, mining pool, website

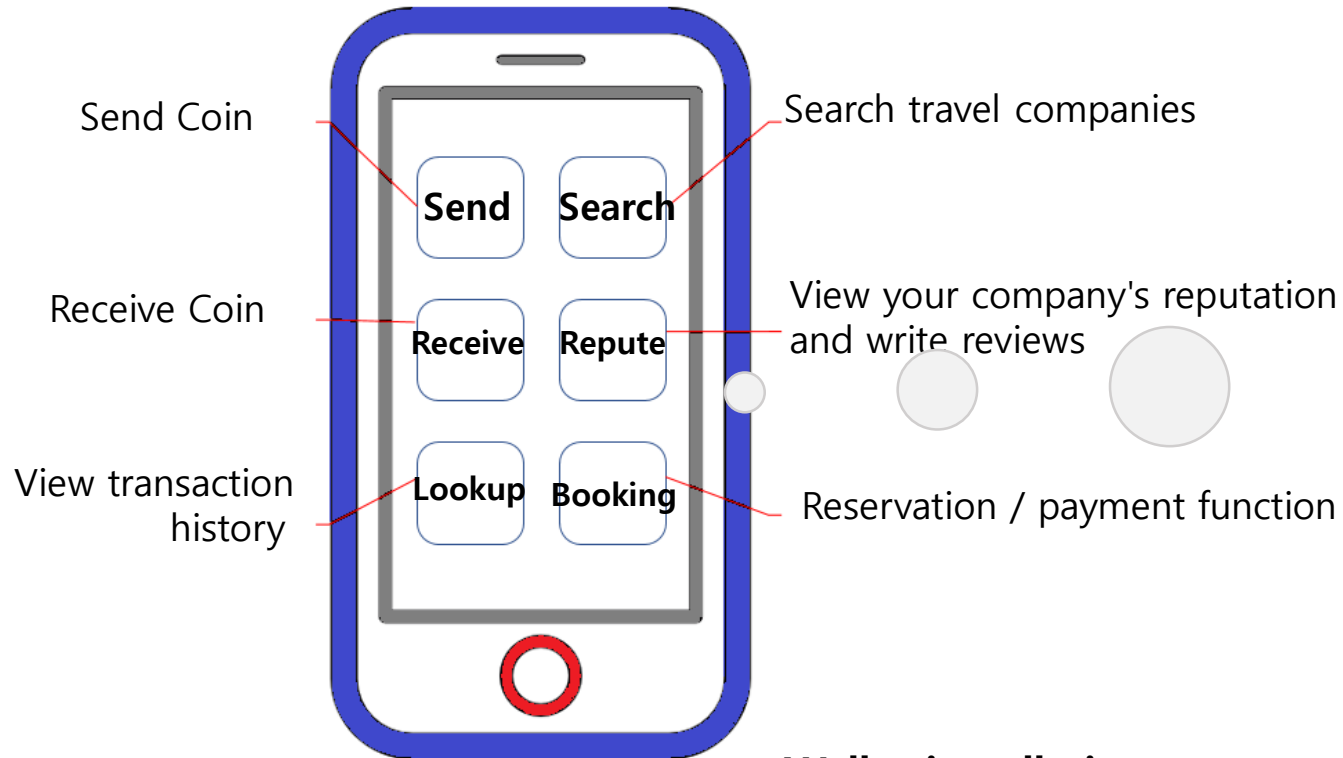


Quasar cards are the easiest payment method for users who are familiar with using credit cards when paying by quasar coin, and can be paid by various methods such as QR code, IC chip and NFC according to the status of the receiving terminal of the company.

By combining the unique hash codes given by the system when issuing the card based on the public key, illegal settlement is prevented so that it can only be used with the public key



Kinds	Contents
Plastic card	Plastic cards for users who are familiar with credit cards
Virtual card	Virtual cards available within your smartphone
Paper wallet	Payment API with paper wallet printed on paper
QR code	Payment API using QR code scanner
POS	Payment APIs that work with POS systems
SNS	the API that works with PayPal, WeChat Money
Mobile coupon	Payment API with Mobile coupon
Gift card	Payment API with Gift card
NFC	Payment API with NFC
ATM	API for withdrawal using ATM device



In general, mobile wallet offers three basic functions, sending coins, receiving coins and transaction records. Quasar's Smart Wallet can provide search for businesses, view reputation, write reviews, reserve / pay when needed as an advanced for of smart wallet.

● Download The Wallet

Wallet installation Google PlayStore –input **"quasar wallet"** Search.. Install

Within the cryptocurrency industry Quasar is a well established and respected brand with a mature ecosystem and progress is driven by a dedicated foundation team. The rate of growth since launch and the potential to continue this trend shows Quasar is only heading in one direction.



Windows



Mac OS X



Linux



Android



SOURCE

In addition to the price fluctuation in the real time on the coin exchange, the cryptocurrency may have a difference in transaction amount for each exchange.

In the case of a business that has received payment by coin in general commercial transactions, there may be a situation where the coin is not paid because of the economic loss if the price drops at the time of converting the coin into cash. Therefore, in order to distribute coins smoothly, it is necessary to guarantee the value of the point of settlement to a company receiving settlement by coin.



Some white papers say that it can be guaranteed by the forces that think the value of coins will rise in order to prevent a decline in value, and they will maintain the present value with future values. In this way, we can consider the futures market of coins, but it also takes a certain period of time to settle down, which is problematic in securing the value at the point of the transaction.

In order to overcome these problems and to guarantee the value at the time of the transaction, the concept of "immediate trading" must be introduced. When a selling company immediately puts a sell order, It is not easy.

The quasar will have the cash to sell the discounted quasar card to the traveler, using the cash, the Quasar Foundation will become a buyer and open an Immediate Exchange, and provide an environment in which the business operator can securely receive a quasar coin.

Of course, since the transactions in the Immediate Exchange are available only for the exclusive use of the business, the selling is possible only for coins paid for by commerce.

In the case of overseas trips, it is necessary to make reservations regarding accommodation, food, transportation, etc. in order to make the planned budget and schedule management. However, the problems that can often arise between travelers and related businesses are as follows.

The first is proof of the correct booking of the reservation and mutual verification. If you have not made an intention between a traveler and a business operator, but you have made a mistake in making a booking reservation, time, or place reservation with one of the mutual mistakes, this can be a nuisance. Moreover, it may be more embarrassing because it is outside of Korea. In such a situation, it is more so if one side does not acknowledge a mistake and makes a deterrent.

Secondly, it is a transmission of reservation fee problem. In order to pay the deposits to foreign operators, it is necessary to pay by internationally accepted credit card or to remit overseas. Fortunately, if you have an international credit card this can be done easily but with manual transfers there are various problems such as manual process and confirming whether the remittance has been done properly.

Third, it is a matter of disposal if either party has not fulfilled the contract. It induces conflict by the issue of refund or compensation.

Quasar tries to solve the above problems through a block chain based reservation system. Solves the first problem through transparent recording on a block chain that can not be modified or altered, solves the second problem simply by transmitting the quasar coin, after securing a certain amount of mutual reserves through the smart contract of the block chain, we try to solve the third problem through automatic execution according to contract.



Reputation system

A reputation means the public opinion about a company in a travel destination, and in technical terms it means an evaluation of an ecosystem. Reputation is an important factor in building the ecosystem platform of the fair travel that Quasar pursues.

Therefore, it focuses on improving reliability, fairness and objectivity of reputation systems, limiting the factors that hinder the reputation system, such as the tendency to reject feedback.

It also provides incentives to encourage feedbacks, and one feedback per visit limit to overcome tourist feedback duplication.

Develop a distributed reputation system based on the following information reputation system model.

Reputation system model

Issue	Obtain information Availability	Trust Of information	Distortion reputation	Information content Satisfaction level	Informative Practice
characteristic	<ul style="list-style-type: none">- Delivery method- Shape / Design- Competitiveness	<ul style="list-style-type: none">- Professionalism- Awareness- Influence- Openness	<ul style="list-style-type: none">- Effectiveness- Effect	<ul style="list-style-type: none">- Information level- Newest- Relevance- Satisfaction	<ul style="list-style-type: none">- Motivation- Familiarity- Comprehension- Network
object	Information media (Surface trust)	Source of information (Mediated trust)	Information content (Self-confidence)		User (Cognitive trust)
	Technical side	Institutional side	Qualitative side		Social side
	step1	step2	step3	step4	



Reputation result -> Trust / Alternative Pursuit (feedback)

Distributed Reputation System

In the distributed reputation system, there is no central server for reputation management, and transaction records and reputation values of users are distributed and stored. Individual users participating in the service store the reputation information of multiple users by using DHT (Distributed Hash Table), provide it when the user requests it, and the reputation information requester and the provider can not know each other.

In a distributed reputation system, it is impossible to monitor users' transactions by the absence of a central server that acts as a trusting authority, and it is also difficult to distinguish between users' behavior. There is a disadvantage in that communication traffic can be weighted by querying reputation information to a plurality of users because it is necessary to make a separate request to obtain reputation information from the users.

Although reputation information can be obtained from other users even if a specific user does not provide information, it can provide scalability compared to a centralized reputation system. However, trustworthiness of reputation value obtained from various users and trust of users are evaluated. And more thorough control over how to communicate reputation between providers is required.

The transaction requester computes the reputation of the transaction target based on the evaluation received from multiple users. Participants in the distributed reputation system provide individual reputation calculation methods to calculate the reputation of the transaction target based on their reputation.

1. Mining pool execution guide

1) CPMiner Install the program

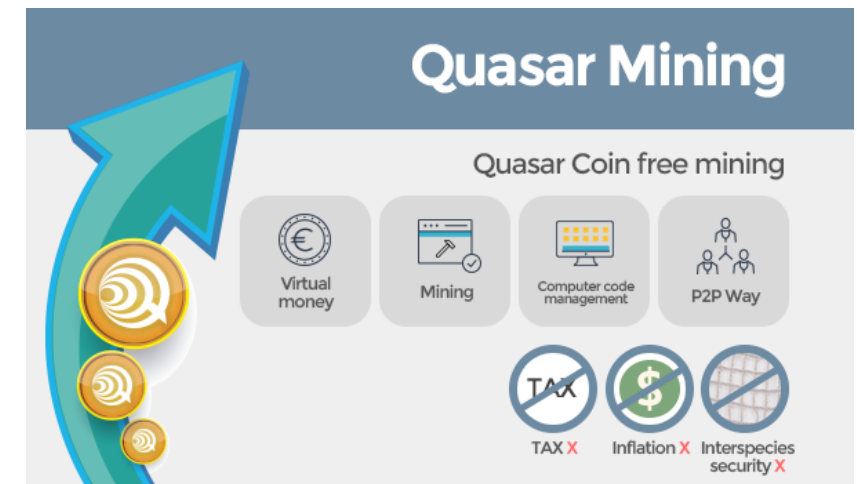
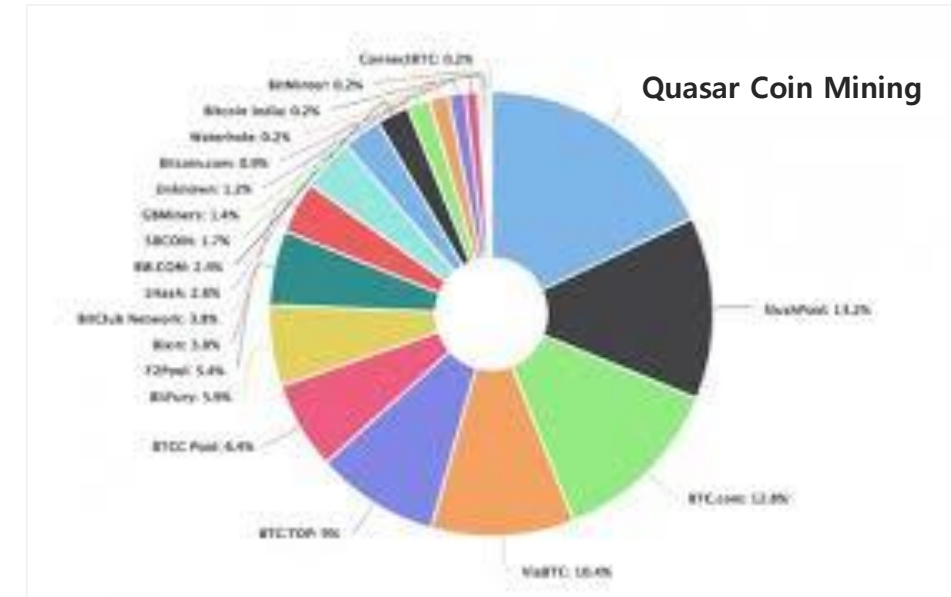
- ▶ Select the latest version of os from <https://sourceforge.net/projects/cpuminer/files/> or use <https://github.com/pooler/cpuminer> to download and decompress

2) Go to installed folder and run Windows command window

- ▶ `minerd.exe -t 1 -a script --url stratum+tcp://nomp.quasarcoin.org:13208 --userpass QLcGgcte9VrVAHuehc9GD57LtgWcC8MDjy:xx`
- ▶ In the above, you can enter your address in red. Mining result compensation will be sent to this address. If the mining succeeds, it is possible to use it after confirming 500 blocks.

3) Verify mining pool

- ▶ address : `nomp.quasarcoin.org`
- ▶ You can check the operation status of the mining pool.

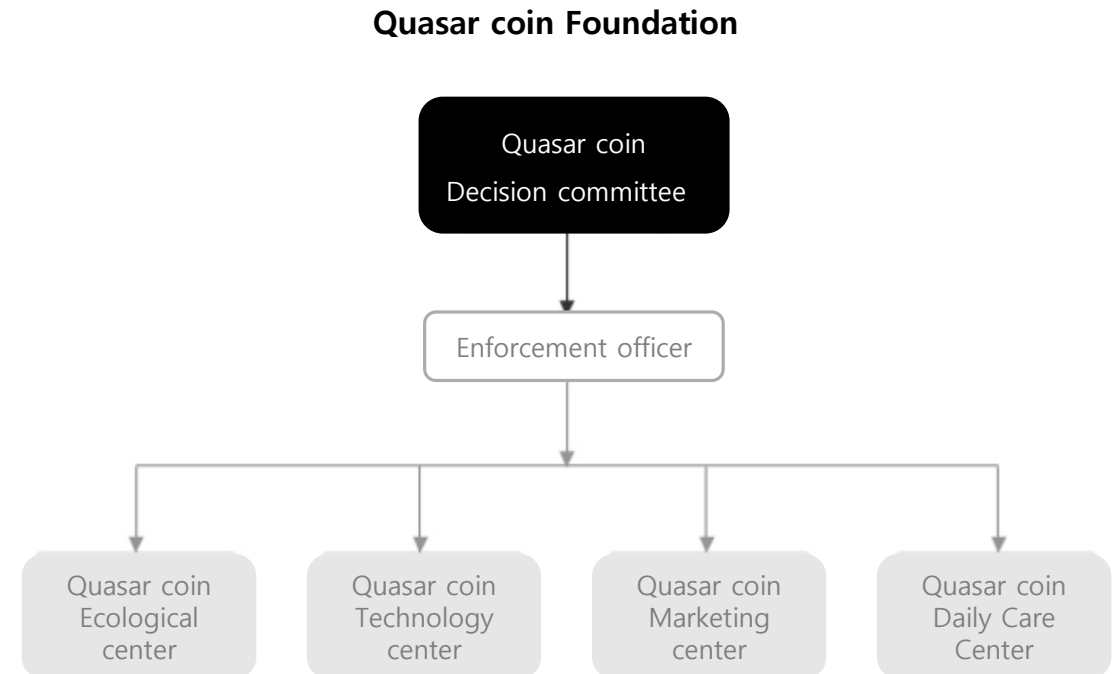


Introduction

The Quasar Coin Foundation (here in after referred to as the "Foundation") is engaged in the development of quasar coin development and transparent management, and aims to maintain and evolve the fair travel ecosystem platform. The Foundation has a solid management structure to support the general and special tasks related to the quasar project. The design goals of the Foundation's management structure are the sustainable development of the project, effective management and safe fund recruitment.

Decision committee

The decision committee is responsible for the management and decision of the Foundation's material issues. Determine the hiring and dismissal of the executive officer, the head of each center, and decide on general matters. The term of office of the committee is three years. The number of members of the committee shall be 11, and the chairman shall be elected by a vote of the committee. The first decision committee will be elected among its founding team and investors.

Organization

Enforcement officer

The executive officer, as a decision-making committee, receives, enforces, and reports the decision to the committee.

Ecological center

The ecological center manages all the necessary resources for ecosystem construction of the fair travel, and studies finance, big data, artificial intelligence, and IOT for ecosystem evolution, and ultimately plans maintenance, evolution and development of ecosystem.

Technology Center

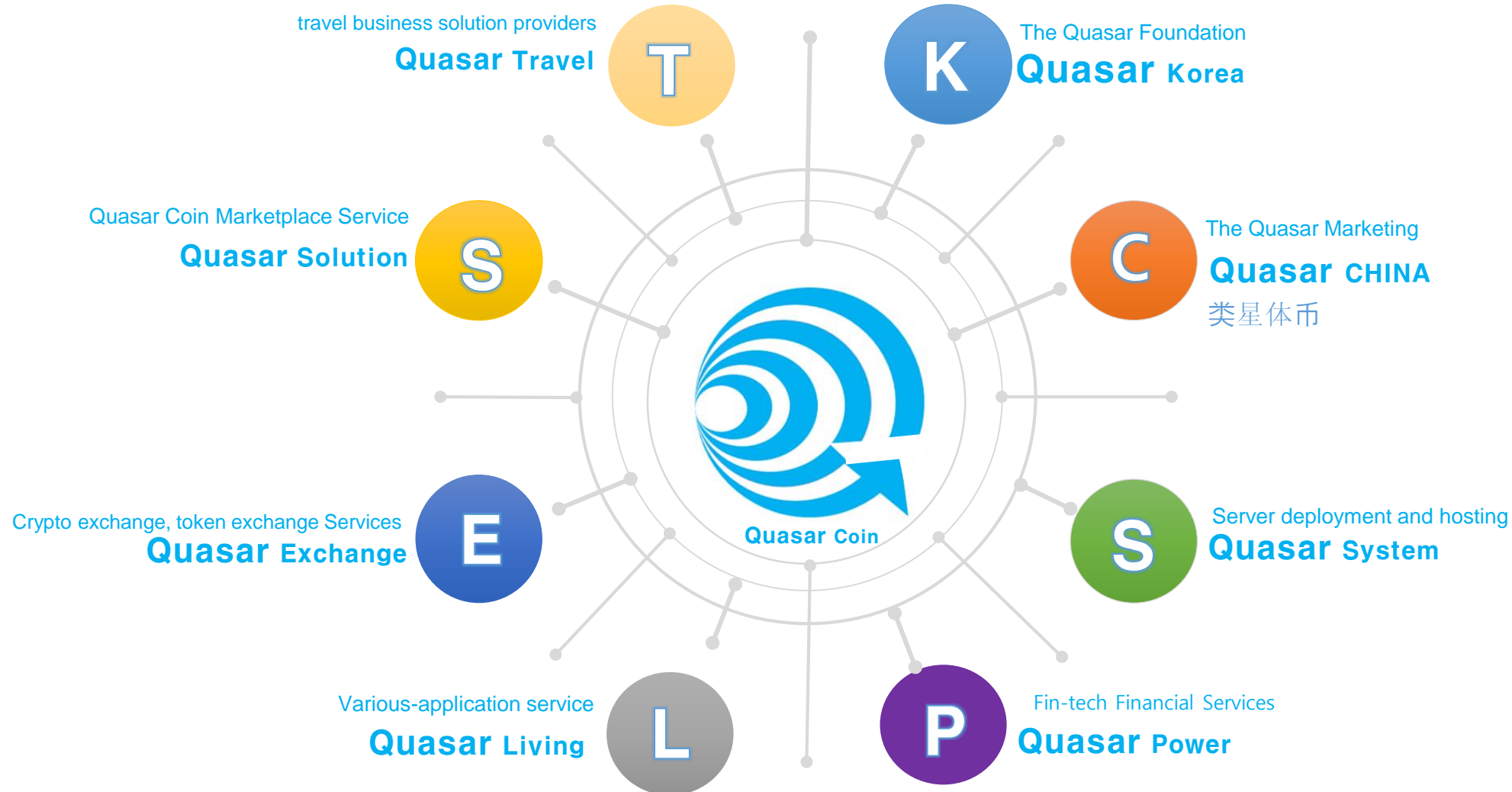
The technology center technically implements the elements planned in the ecology center and manages and maintains all the technical elements related to the ecosystem.

Marketing Center

The marketing center performs activities such as market research, marketing, external organizations and so on so that the projects planned in the ecological center can be successfully completed

Daily Care Center

The day-to-day management center is responsible for general management tasks such as finance, legal affairs, personnel affairs, and administration. Finance is responsible for budget and execution of funds, and legal affairs are reviewed by related laws, prevent possible legal risks. The administration and personnel are responsible for general personnel affairs and daily administrative affairs.



Generalization

The total issue volume of QAC is 368,100,000 QAC, and additional coins are no longer mined. The initial pre-mining volume is 257,670,000 QAC. The first 100 million coins will be deployed in crowd sale method, and 110,430,000 QAC will be used as a reward for stable node maintenance.



-Quasar Coin-
100%
"368,100,000 QAC"

Distribution plan

ICO	Technology	Foundation	mining
30%	10%	30%	30%

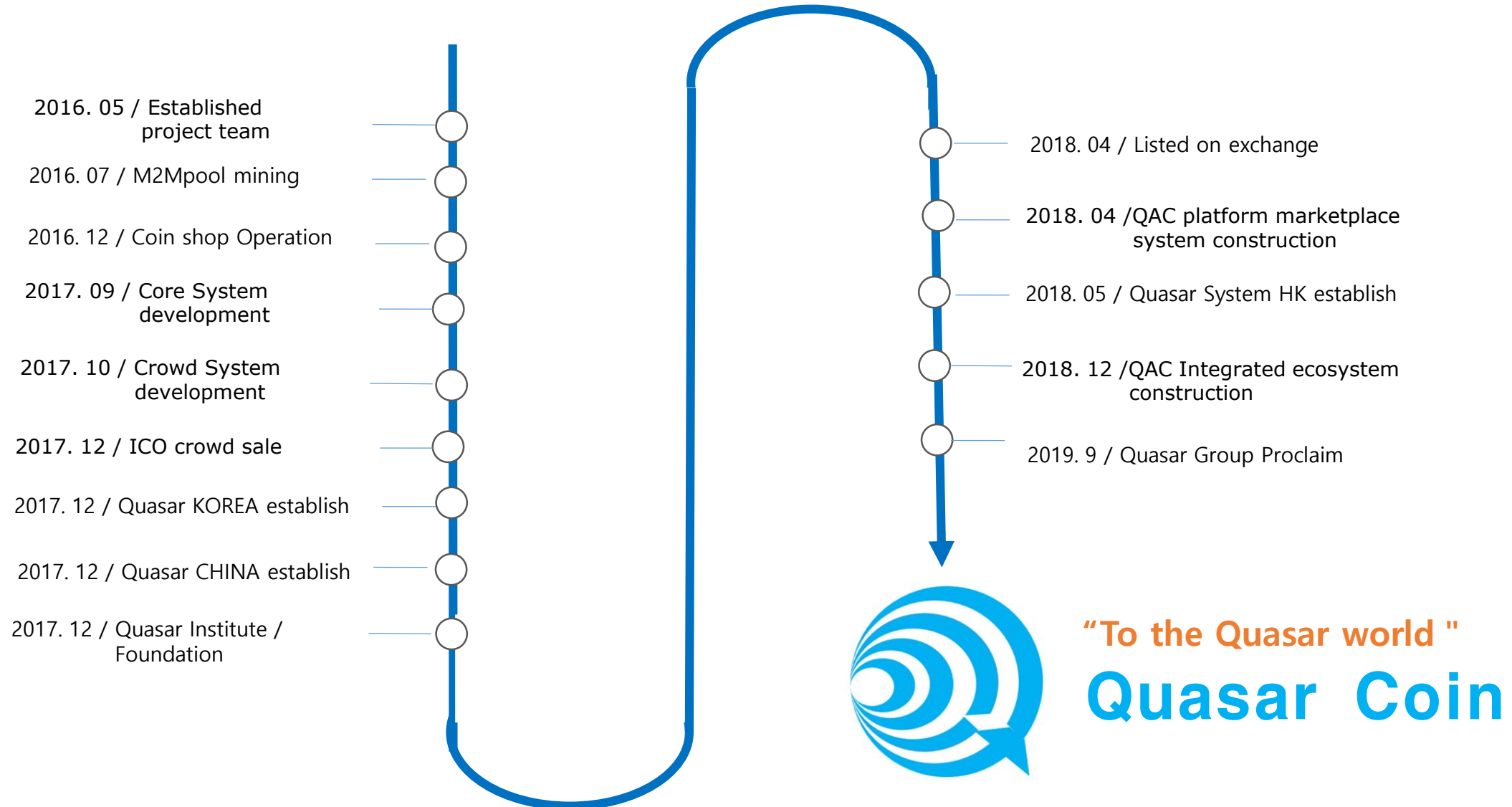
Budget allocation (257,570,000 QAC, 70%)

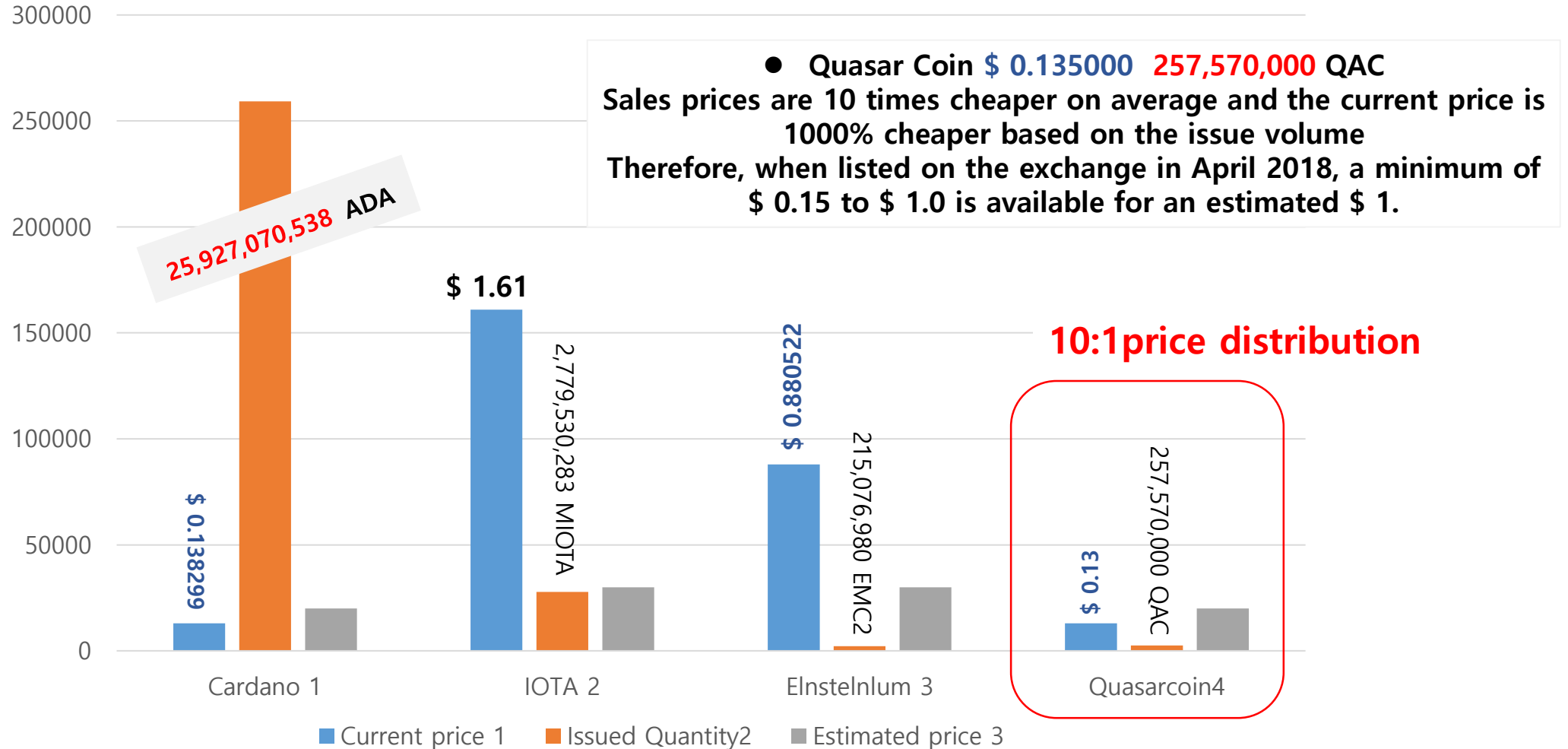
percent	Distribution	details
30%	List on exchanges	<ul style="list-style-type: none"> - Used for coin development, market promotion, and foundation operations. - Escrow costs required to list international exchanges - Use of this part of the fund is disclosed regularly
10%	Technology	<ul style="list-style-type: none"> - Funds for contribution of founding team and development of technical operation - First 100% locks and 10% monthly releases - The total duration of unlocking is about 10 months
30%	Initial investor / System construction	<ul style="list-style-type: none"> - Finance related to the project, helpers, strategic planning, Compensation for a multifaceted contribution including talent replenishment - All coins are locked at the same time as they are paid - 20% of them are fixed positions 24 months, 7% are fixed positions 12 months, 2% fixed position 6 months, 1% fixed position 3 months from the date of listing on the first exchange - Starts and is released at the corresponding rate every month
30%	Foundation/ Platform development and operation	<ul style="list-style-type: none"> - Used to develop next project, improve and evolve ecosystem - Once 77,301,000 QACs are locked and the decision committee decides

➤ ICO - Sales plan

● 1ETH : 5000QAC

division	Round A	Round B	Round C	Round D
1ETH	5000+3000 QAC	5000+2000 QAC	5000+1000 QAC	5000+500 QAC
period	11.12.2017~ 24.12.2017	01.01.2018~ 14.01.2018	21.01.2018~ 04.02.2018	12.02.2018~ 25.02.2018
Bonus	+60%	+40%	+20%	+10%
1 QAC	0.000125 ETH	0.000143 ETH	0.000167 ETH	0.000182 ETH
HARD CAP	20,000,000 QAC	20,000,000 QAC	20,000,000 QAC	10,000,000 QAC





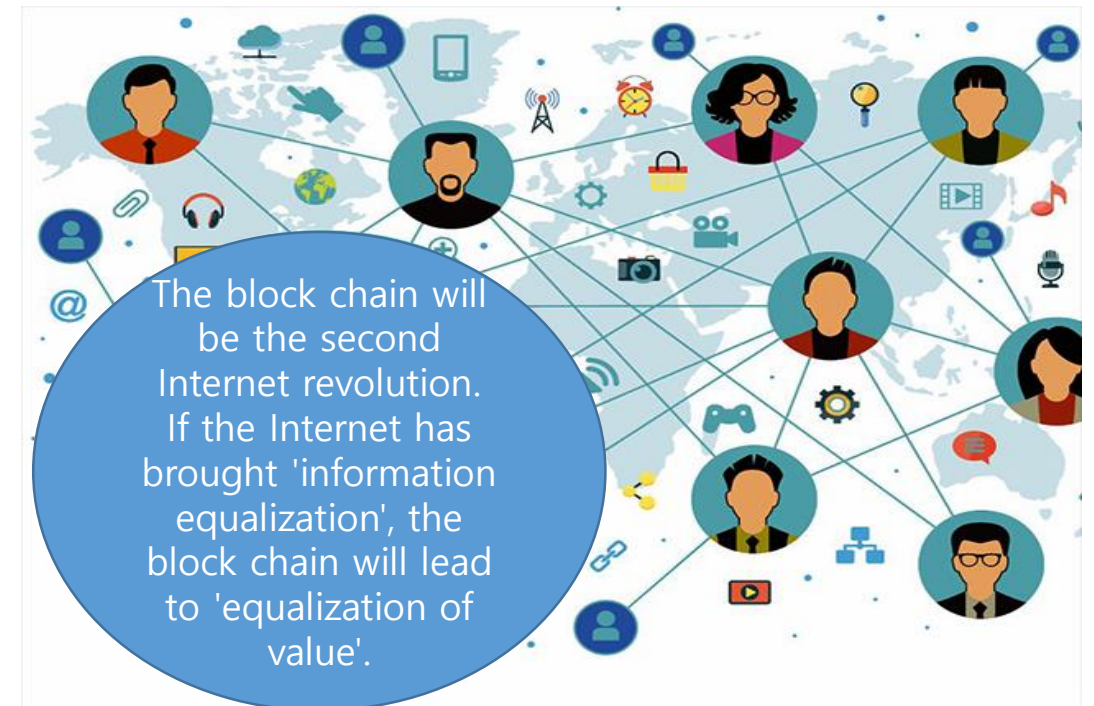
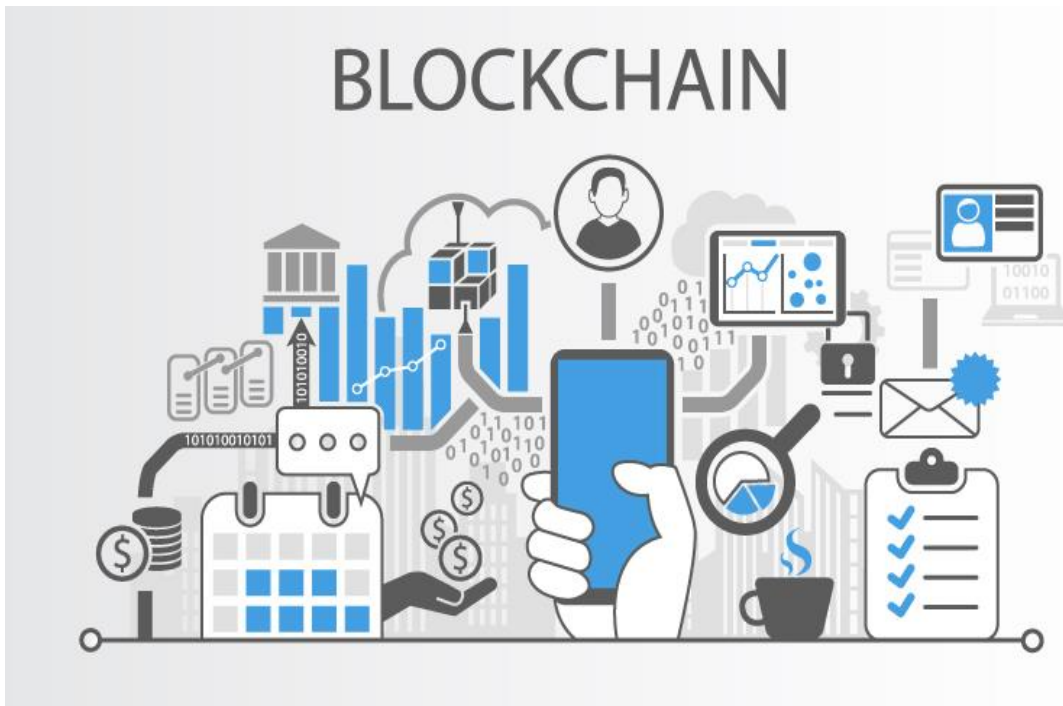
Announce pre-sales of QAC to reach your goals as soon as possible

Starting from April 2018, we are preparing to buy / sell at the International Exchange



QAC sale

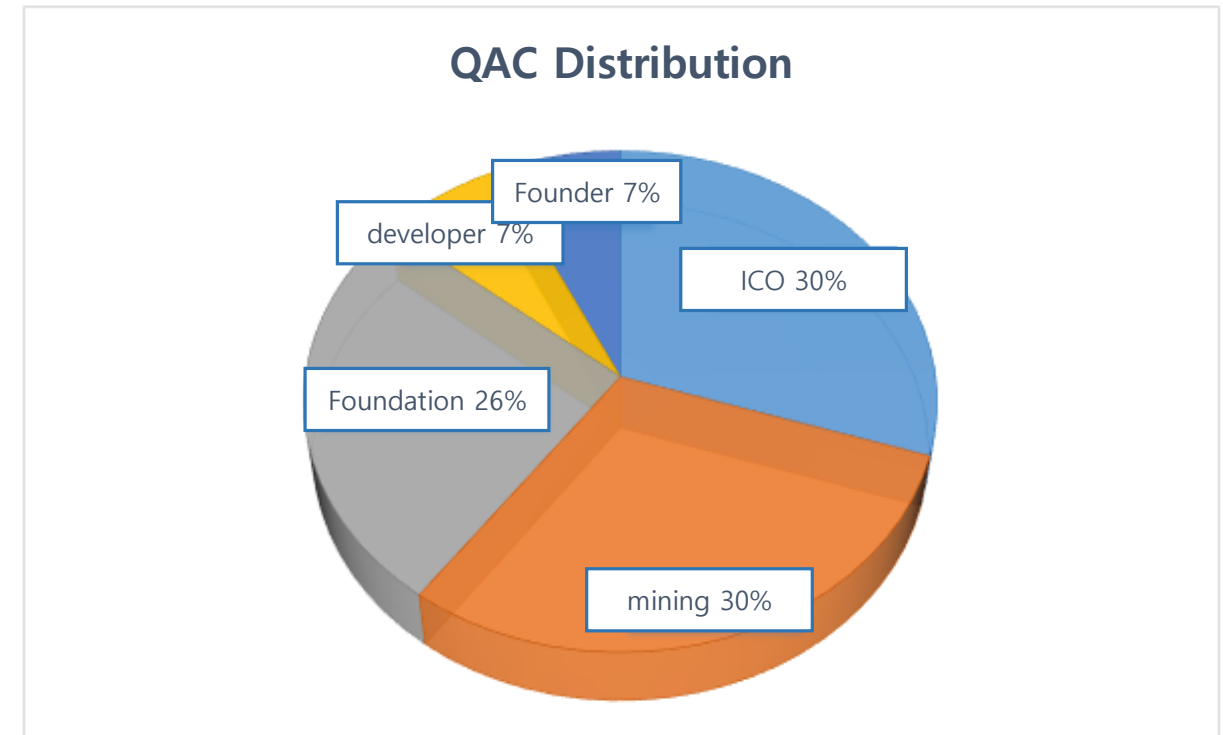
Announce crowd sales of QAC to reach your goals as soon as possible



QAC Distribution

100% - Total supply amount: 368,100,000
30% -open mining (Fixed for 10 years): 110,430,000
30% - ICO (Pre-ICO) : 110,430,000
26% – foundation Deposit : 95,706,000
7% - founder (Fixed for 10 months)
7% - Legal and Compliance

Quasar coin only issues 368,100,000 QAC including pre-mining and public mining. 110,430,000 QAC coins (30%) will be sold to the public. 25,767,000 QAC will be pre-sold and 84,663,000 QAC will be allocated to ICO.



PRE-ICO information (Pre-sale)

Pre-sale ICO Distribution volume : 25,767,000 QAC

price : 1 ETH = 5000 QAC

Maximum goal (Upper, Hard Cap) : 5,163 ETH

period : 21days

Start date : November 06, 2017 17:00 UTC

End date : November 25, 2017 17:00 UTC

Minimum amount : 0.63 ETH

bonus : 100% (1 QAC +1 QAC)= 2QAC

During the PRE-ICO period, special coin QAC is scheduled for pre-mining. 25,767,000 QAC will be available at a 100% discount during the pre-sale period. In other words, You will get 5000 QAC (5000 + Bonus 5000) using 1ETH Buyer will receive QUASAR coin immediately after installation of Wallet (for PC and Android), but coins can not be sold until the deal is listed. The main purpose of QUASAR is to ensure the rights and profits of Pre-ICO participants regarding the key cryptocurrency QAC.

The maximum duration of Pre-ICO is three weeks. If the pre-capped hard cap of 5,163 ETH is reached, sales will stop. If it is not reached, the coin that is not sold goes to ICO Round A.

Funds collected during Pre-ICO will be used for ICO promotion and marketing (70%), system building (20%), legal issues and compliance (5%), management and personnel management (5%).

ICO information

ICO Distribution volume : 84,663,000 QAC

price : 1 ETH = 5,000 QAC

Minimum goal (Lower amount , Soft cap) : 5,000 ETH

Maximum goal (Upper amount , **Hard Cap**) : 16,000 ETH

period : 57days (8weeks)

Start date : December 11, 2017

End date : February 25, 2018

First 48 hour bonus: 80% (1 QAC = 1.8 QAC)

1 to 2 Parking Bonus: 60% (1 QAC = 1.6 QAC)

2-4 parking bonus: 40% (1 QAC = 1.4 QAC)

4 to 6 Parking Bonus: 20% (1 QAC = 1.2 QAC)

6 to 8 Parking Bonus: 10% (1 QAC = 1.1 QAC)

During the ICO period, 84,663,000 QAC will be available with bonuses ranging from 10% to 80%.

An 80% special bonus will be available for the first 48 hours at the start of the crowd sale.

The bonus amount will then decrease every two weeks. The maximum duration of an ICO is 8 weeks.

If you reach the hard cap limit of 16,000 ETH during the sale period, sales will stop. If you have reached the lower limit of Soft Cap 5,000 ETH, but the period has expired, the unsold coins will be offered for promotional purposes. If you can not reach the soft cap of 5,000 ETH, we will refund the money to the ICO participant.

ICO Split sales fund

Reaching Minimum goal (Lower amount , Soft cap)



Project Core Development: 30% Price Management: 40%
Marketing and Publicity: 20% Operating Fund: 5%
Legal and Regulatory Compliance: 5%

ICO Split sales fund

Reaching Maximum goal (upper amount , hard cap)



Project Core Development: 40% Price Management: 30%
Marketing and PR: 18% Operating Fund: 10%
Legal and Compliance: 2%

website : www.quasar.org

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