XRONOS

WHITEPAPER

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—

INTRODUCTION

PREFACE FROM THE TEAM

Numerous revolutionary technologies and ingenious inventions seem to us simple and clear. Especially when such devices solve incredibly complicated and complex problems. The more elegant and correct the solution is, the more obvious and surely true it seems to everyone who faces it in everyday life.

This document may cause similar feelings. Some mentioned technologies have already circulated in the world of cryptocurrency. While the others frighten with their obviousness and effectiveness. As in the case of XRONOS. Its idea is simple and obvious, but despite this it has never been realized before. And the third ones seem to be a logical continuation of the chain, the missing link that turns all the uncoordinated algorithms into an organic whole.

For a long time we have been developing some separate elements, straining at a gnat and swallowing a camel. But when we accumulated a critical volume of knowledge in the field of economy, blockchain and cryptography, we were able to assemble a puzzle and look at the cryptocurrency world from another angle and find a solution that will securely bind the cryptocurrency with the classical economy and will stimulate the process of converting fiat money to cryptocurrency.

This is how XRONOS was born. We do not know what exactly became the "apple" that fell on our "Newton's heads", but the genie has already been released from the bottle. XRONOS is the iPhone of the cryptocurrency world. Forget everything that was before the XRONOS - slow, inconvenient, unreliable and insecure. The market will never be the same.

XRONOS Aggregator Team

P.S. You are reading the Whitepaper of XRONOS aggregator project. It is written in a lively and simple way. It contains fewer formulas and not such complicated definitions. Whitebook of the whole XRONOS project was created more than a year ago and now it looks more like a technical document. This Whitebook reflects the general idea of the project of that time. If you like the academic style of presentation and you are interested in following the evolution of a single thought turning into an individual product (an aggregator of cryptocurrency and blockchain-technologies), you can download it via this link.
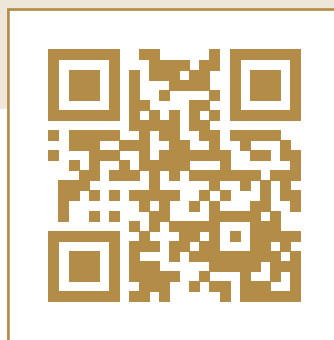
AGENDA MAP/PLAN

Today there are four main problems that stops the development of the cryptocurrency. Each one is complicated and contains many factors that prevent it from being solved in a simple way.

PROBLEM #1: INSTABILITY AND VOLATILITY

Crypto-markets today are always about speculation. Most of the deals are purchase and sale of the currency itself. It's almost impossible to build a business in such exchange conditions.

High volatility of the exchange rate makes cryptocurrency really inconvenient for mutual settlements. It's not an easy job to value goods and services in the asset, whose rate fluctuates in tens of percent during a day.

Additionally, being attached to the politics and news, cryptocurrency fluctuation can easily worsen: its rate can collapse or rise within several minutes.

PROBLEM #2: PRESERVATION OF THE CAPITAL

At first glance, there are plenty of financial instruments for accumulation and provision of the capital: shares, banks, own business, foreign currency, cryptocurrency, even real estate and metal. But all of them are under influence of different kind of risks. It is really difficult to choose between options. Each one of them has many peculiar aspects which should be examined. But there is not enough time and energy for this. Some of the instruments are connected to the legal, linguistic and geolocational difficulties. There is almost no such thing as transparency or guarantee on the market.

PROBLEM #3: CRYPTOCURRENCIES ARE HARD TO UNDERSTAND

Crypto-market is fenced off simple users. Threshold of occurrence is similar to the one to the high mathematics. You need to know a lot about the coins and be able to count the risks. Furthermore, cryptocurrency itself is full of contradictions and problems. Transfer fees are high in price, there are problems with security of the 'cloud' wallets and centralized exchanges, the transaction in available coins is confirmed really slowly. One of the reasons of blockchain creation was reduction of the transaction fees. As a consequence, there is more than 800 different cryptocurrencies. But the situation hasn't improved much.

PROBLEM #4: NO CRYPTO-GATES TO THE REAL WORLD

This is the worst part. A huge financial bubble - that's what cryptocurrency looks like from the side. Its growth is maintained solely speculatively. And all of the new products aimed on the exchange development are concentrated on its internal problems and needs. There is simply no way to the real world for the cryptocurrency. There neither real economy binding nor such project which will make this binding. There is not even a single stable coin. The exchange itself becomes even more complicated thus forming even more questions about its work mechanics. Here is how the negative image of the financial pyramid is formed, heated by media and "Facebook analysts".

General Solution: Cryptocurrency Aggregator And Truly Stable Coin

We don't suggest to you to rate our idea and its launch into reality. Everything was already made and now is ready for the start. XRONOS Aggregator contains three projects (Wallet, Blockchain and XRSS) working together on complex solution to listed problems. To let these projects work, the system has to work by the rules of the speculative market, to go through 4 stabilization stages, conduct 2 Presales and 2 ICOs with the possible rise in price of XPO at every stage. These are needed for transparent demonstration of the system and users attraction to the project. We don't simply let our technologies to be tested but to make money on them. You trust, XRONOS system. You trust. And then you monetize through XRONOS system.

Furthermore, we don't only create the first truly stable cryptocurrency, but we also continue our work of forging the connection between the crypto and reality. For these reasons, we are developing the first geolocational game with real cryptoeconomy in the world. One of the most popular studios will take part in the game production (3-4 candidates are considered at the moment), and the key concept is somehow connected to the travelling and receiving of real money in exchange for the in-game activity.

Our work total is the creation of the first truly stable cryptocurrency which will lead cryptomarket to the real sector of economy.

The final result of our activities will be the creation of the first truly stable cryptocurrency, which will open the doors of the cryptocurrency market to the real economy.

HOW TO CREATE A STABLE COIN?

In the classical economy of the late XX – early XXI centuries, money ceased to be a «commodity». The Jamaican currency system untied an exchange rate from gold

parities, and the fiat currencies became an expression of consolidated public trust in the economy of their country. More simply, rubles, dollars and euros transformed from the «reference commodity» to a social contract, a kind of agreement to consider their rate of currency exchange to be correct.

The stability of a currency is provided by several factors: GDP of the country of issue, political situation and the strategy of the central bank. To impart the same stability and predictability to the rate of cryptocurrency, it is necessary to link its emission not to some abstract concepts of the digital world, but to real goods and services.

Since we can't establish a new state with a well-developed economy, industry and large stocks of raw materials, the only way is to form a « gold and exchange stocks» that will guarantee the value of a digital coin.

And in order to stay unattached to the currency of any particular state, you need to take the most stable economic indicators of the world as the price benchmark and the starting point. Sounds too easy? Well, who said that an effective solution should be difficult?

XRONOS, THE CRYPTOCURRENCY AND BLOCKCHAIN-TECHNOLOGY AGGREGATOR

We have thought long and hard about the correct definition of the XRONOS system. During the development of the project, its goals have not changed, but the methods and means to achieve these goals have evolved with the frightening speed. As a result, a simple cryptocurrency with a stable exchange rate turned into a giant project on «building bridges» between the stagnant Jamaican currency system and the future represented by economy on the base of a blockchain. XRONOS includes a number of technologies that will allow the cryptocurrency tools to interact with the real economy: production and services.

Each XRONOS tool solves specific problem in the simplest and the most effective way.

- **Blockchain-technology** is the basis of the cryptoeconomy. It makes every operation clear, secure and, optionally, anonymous. It does not require a single trusting node or managing system, as it is safe and secure by design;

- **XRONOS Wallet** is an interface created for fast user's access to the information stored in the blockchain and for executing the operations with XPO cryptocurrency;

- **The exchange rate stabilization system (XRSS)** automatically levels the price of the cryptocurrency in fiat money;

- **Motivational services** teach new users the basics of the cryptoeconomics and also attract their attention to the technology, in general.

- **The "smart contracts" system and its API** allow users of the XRONOS to make financial ties, to execute operations with goods and services with the help of secure and fast cryptocurrency tools;

- **Workspace** is a social network with p2p economic tools.

XRSS STABILIZATION SYSTEM

In the current conditions, the «classical» cryptocurrency can not be stable: its emission practically does not interact with the existing financial system, and the price is formed solely on the users' trust, facilities and various unique opportunities offered by this or that coin.

A special tool is needed for a stable rate guarantee. This tool should be capable of adjusting the value of the cryptocoin, bring it closer to the benchmark. It should be not vulnerable to fraudulent attacks and not let any other things «to rock the boat». There are not so many financial instruments for regulating the exchange rate: inflation (an increase of the money offer with its synchronous depreciation), deflation (a decrease of the money offer with its simultaneous cost rising), and a paying capacity guarantee. All three tools are implemented in XRONOS in the form of analytical, emitting and guaranteeing software algorithms (bots).

1 GAW - on the planet is chosen for the standard of cost. It is calculated from data provided by OECD countries (Organization for Economic Cooperation and Development). For unification, all calculations are made in dollars, and the currency conversion is based not on speculated rates, but on the «purchasing power parity» (PPP). GAW is recalculated once a year.

The exchange rate is managed by emission and demission of XPO execited by bots. Two instruments are used as stabilizing factors.

On the part of the «digital economy of the future», there are cryptocurrencies, collected into one special cryptocurrency basket (CCB).

On the part of the 'real economy', there is the virtual currency of the IMF, entitled Special Drawing Rights (SDR). Its price is also formed on the ratio of the values of the currencies of five leading economies of the IMF.
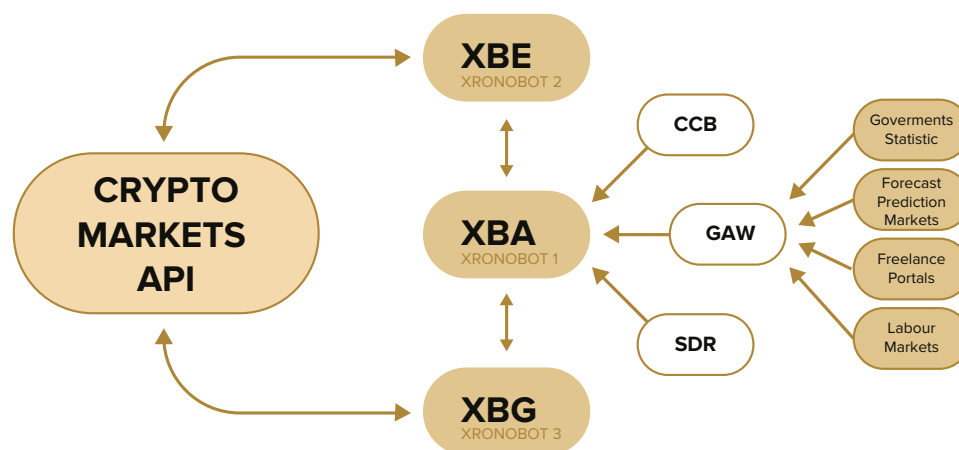
XBA, ANALYTICAL XRONOBOT

XBA is a "brain" of the whole system. It executes all the necessary calculations and manages the work of other bots. As XRONOS works simultaneously with other cryptocurrencies and fiat money, in order to correctly determine the strategy of rate stabilization, the bot collects the data displaying the situation on the cryptocurrency markets and the economy sector; and based on these stats it calculates "the correct

cost" of the XPO-unit. In the ideal case, it tends to the GAW cost, denominated in SDR. Two other bots' operations are based on these calculations.

XBE, EMISSION (EMITTING) XRONOBOT

The emission process in XRONOS is not bound to any transactions or rewards for settlements, which means mining is not applied at all. In order to have additional XPOs in circulation, someone should buy them on the stock exchange directly from the emitting bot, paying for them with another cryptocurrency or fiat money. At the early stages, these funds will form the first volumes of the 'gold and exchange stocks', and later become a link between the «old» and «new» economies.

The intensity of the cryptocurrency emission will be regulated by the market demand. Since the final amount of XPO is constant (1 trillion XPO) and fixed in the genesis block; and the volume of XPO in circulation is variable, the speculative component will mostly affect the volume of the XPO economy, and it will have minimal effect on the fluctuation of the exchange rate.

At the initial stage, 20% of the proceeds from the XPO sale will be spent to support and develop the project, and the remaining 80% will go to the the third bot. As the rate will become stable, the ratio will reach 98:2 in favor of the guarantee bot.

XBG, GUARANTEE XRONOBOT

XBG is our 'gold and currency reserves' in digital form. It has a set of wallets for several leading cryptocurrencies to guarantee the currency and provide its free conversion into other types of money.

When you need to convert the XPO into the cryptocurrency or money, the guarantee bot buy out your coins, unless, of course, you find a better offer at the market. For the rest of the time, the XBG works to increase value of its assets portfolio in accordance with the protocol developed specifically for this purpose.

Basing on the data provided by the analyst bot, the XBG buys the CCB package (a set of cryptocurrencies in a certain proportion) for all available funds. Accumulated in such a simple manner, the «digital gold» acts as a guarantee of the XRONOS solvency. 10% of the available reserves instantly turn into a wall of XPO buy orders(demission), in case someone urgently needs to convert XPO into another currency. Along with that, the impossibility to withdraw more than 10% of the available amount of money from the system within 24 hours protects XPO from speculative attacks.

Every 24 hours the XBA updates the analytical summary, gives the command to add up to 10% of XPO buy orders out of the total amount of CCBs available to XBG to the base. This limitation protects the currency from speculative attacks on sales and depreciation. The current condition of the cryptocurrency basket, which is managed by xronobots, is publicly available. The updates will be displayed on the project's website.

At the beginning the xronobot will guarantee 80% of the XPO value. In the future, with the rising value of crypto-portfolio we plan to bring this index to unique 200%. That is, in the future the XBG will be able to redeem twice all ever issued XPO.

SELF-OPTIMIZING CRYPTOCURRENCY BASKET (CCB)

Every 24 hours the algorithm developed by our team determines the content of the basket (and publishes on the official website stats.xronos.space). The basket includes cryptocurrencies the total capitalization of which is more than 90% of the market. Proportions of the currencies are automatically revised depending on the volume and dynamics of the exchange rates of cryptocurrencies traded on the exchange.

CRYPTOCURRENCY BASKET (CCB)
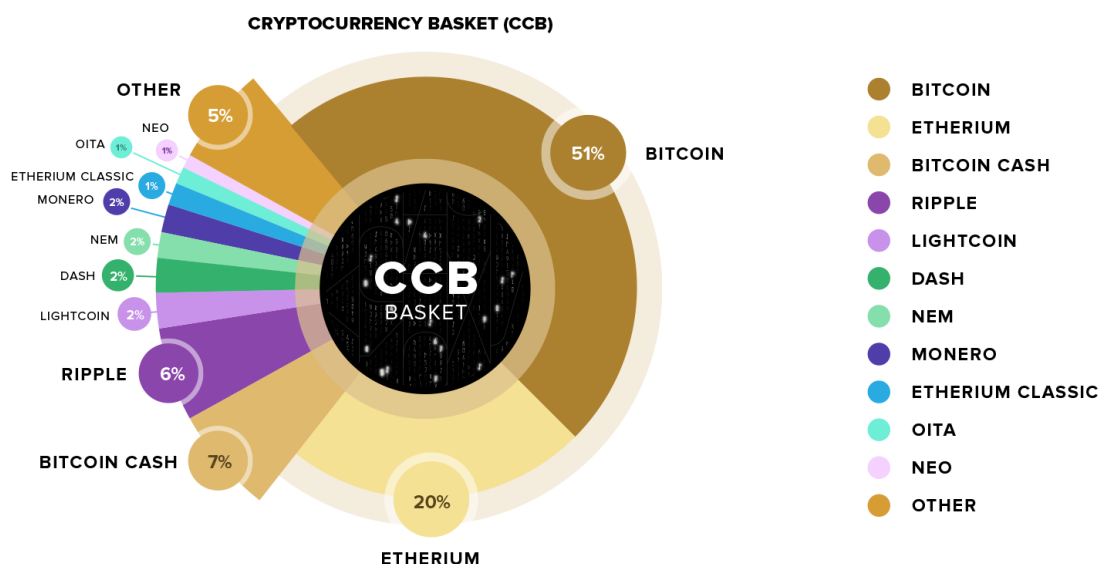
The ratio of coins in the basket is regularly revised by the bot. The time-proved algorithm effectively reflects changes of the cryptocurrency market capitalization structure and works with the most secure assets.

Part of the assets received during the emission is on the «cold storaged» and used for the capitalization of the cryptocurrency basket only.
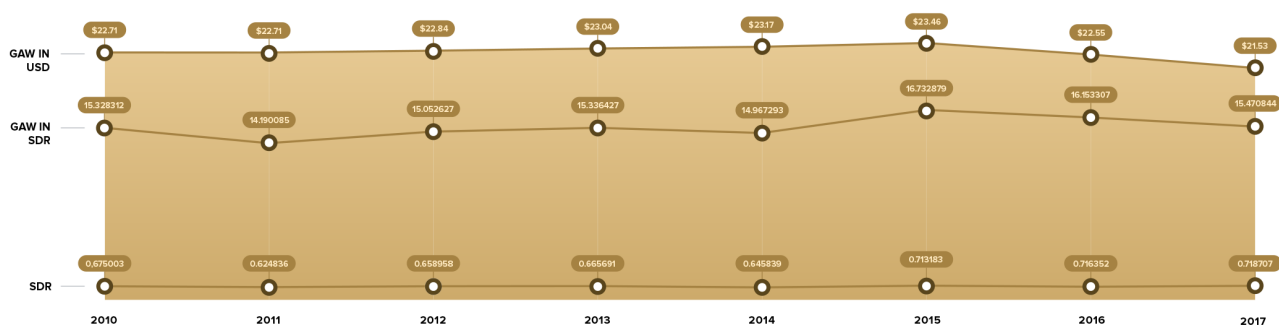
Fluctuations of cryptocurrency cost affect the value of assets, but the total exchange rate of the basket reflects only the general dynamics of the market. As the demand for «digital money» grows, their price rises. As the market collapses, the XPO ensuring falls.

CALCULATION OF GAW

Global Average Wage (GAW) is the index of the average wage in the world. In simple terms, it reflects the price of human time, denominated in money. The data for the index are taken from the website of the Organization for Economic Cooperation and Development (OECD) www.oecd.org.

The current world order and redistribution of spheres of influence at the early XX century both established the US dollar as a reserve world currency. As the labor productivity and price level is different in every country, GAW is calculated by converting local prices and wages to dollars at purchasing power parity. The received result is homogeneous and authentic enough.

The OECD countries provide information about the total wage fund, the total number of employees in the economy, and the total number of annual labor hours per person. Basing of this data we can get the realistic estimate of the average working hour cost by simple arithmetic calculations.

	2010	2011	2012	2013	2014	2015	2016	2017
GAW IN USD	$22.71	$22.71	$22.84	$23.04	$23.17	$23.46	$22.55	$21.53
GAW IN SDR	15.328312	14.190085	15.052627	15.336427	14.967293	16.732879	16.153307	15.470844
SDR	0.675003	0.624836	0.658958	0.665691	0.645839	0.713183	0.716352	0.718707

STATES IN GAW CALCULATION

AUSTRALIA   AUSTRIA   BELGIUM   CANADA   CZECH REPUBLIC   DENMARK   FINLAND   FRANCE   GERMANY   GREECE   HUNGARY

IRELAND   ITALY   JAPAN   KOREA   LUXEMBOURG   NETHERLANDS   NORWAY   POLAND   PORTUGAL   SLOVAK REPUBLIC   SPAIN

SWEDEN   SWITZERLAND   UNITED KINGDOM   UNITED STATES   MEXICO   ISRAEL   SLOVENIA   ESTONIA   CHILE   LATVIA

WHAT SDR INCLUDES

The value of Special Drawing Rights (SDR) is published on the official website of the IMF and is revised every five years. The cost of SDR is formed on the basis of the dollar cost of a basket which contains five leading currencies: the US dollar, the euro, the Chinese yuan, the yen and the pound sterling, and reflects the general dynamics of the real economy. Considerably long revision periods of the basket reduce the influence of momentary fluctuations of exchange rates, which could be deliberately swung by speculators for gaining profit.

NETWORK

The architecture of the XRONOS network is distributed and decentralized at the same time. In the network there are several «centers», nodes, that deal with the distribution of computing load among the network objects – nodes (Handlers). At the same time, all three basic principles of decentralization are observed.

- Architectural decentralization. The minimal set of the Master-Nodes needed for achieving consensus and conducting transactions is six. They were launched at the moment of the first launch of the system. Additional Master-Nodes only increase the speed of operation conduction.

- Political decentralization. XRONOS tends to full implementation of the scheme «1 person = 1 vote»; and for a minimal chance of capturing transaction management, it is necessary to take control over 80% of the master-nodes of the network. So, it will be very difficult for a certain group of people to affect the network.

- Logical decentralization. At the start of the project, the only decentralized part is the executive one, that provides transactions. As the system develops, the full decentralization is possible, because nothing impedes to launch copies of XRSS and analogically «synchronize» its solutions with the nodes of the network.

As for the «distribution», each node (Master-node) in the XRONOS system can maintain transactions, regardless of what operations are being performed by the other members of the network at that moment: some conduct the transaction, the others verificate or synchronize the databases, etc.

NETWORK CHARACTERISTICS

XRONOS is based on the transparency and clarity of what is happening «under the hood». You can always see the composition of the cryptocurrency basket, the amount of funds of the guarantee xronobot, emission indicators, exchange rates and formulas, used for calculations on the official website of the project in the «stats» section. http://stats.XRONOS.space/

BLOCKCHAIN

The advantages of the original Blockchain concept are fully inherent in XRONOS. Information written in the blockchain remains there forever. You can not make any record in the blockchain without conducting a valid transaction. You can not delete or change any record in the blockchain without damaging it. Changes of the blockchain of one node get into all the copies of the blockchain located on the other nodes of the system. A damaged blockchain of one member is instantly replaced by a working copy of any other node, while normal verification procedures are performed.

The key difference of the XRONOS blockchain (Last Close Ledger or the Network Operations Register) is the simplification of a number of functions to speed up the transaction processing, of course, without detriment to security. All blocks contain both public information (transaction data or info about belonging of the balance block to a particular wallet) and encrypted information (service data about a transaction in the transaction block or transaction history data in the balancing block). XRONOS system has two types of blocks: a transaction block and a balancing block.

TRANSACTION BLOCK

Each transaction block consists of the header and the body of the block. The block header includes a hash formed from the body of the block and the hash of the previous block, as well as additional service information. The body of the block contains information about the transaction (source, receiver, amount), as well as additional service information.

BALANCING BLOCK

The essence of the balancing block is the history of wallet transactions. It is formed from the data about the chain of X previous incoming and outgoing transactions made by the wallet. The balancing block is formed from a chain of transactions, starting from the beginning of the blockchain (in case if it is the first balancing block for this wallet) or from the previous balancing block of the wallet. The header of the balancing block includes a hash formed from the body of the block and the hash of the previous block in the blockchain, as well as additional service information. The body of the balancing block contains information about the wallet state at the moment of the formation of the block, the previous transactions of the wallet and the previous balancing block of the wallet. Information in the block is encrypted with an asymmetric encryption algorithm using the public key of the wallet.

ALGORITHM OF TRANSACTIONS

To simplify work of the network in the XRONOS system, all transactions operate only with the source wallet. Information about the receiving wallet is used only to put data about the transaction into the blockchain. The system registers only the fact of withdrawal of some money from the source wallet and the destination of the transfer.
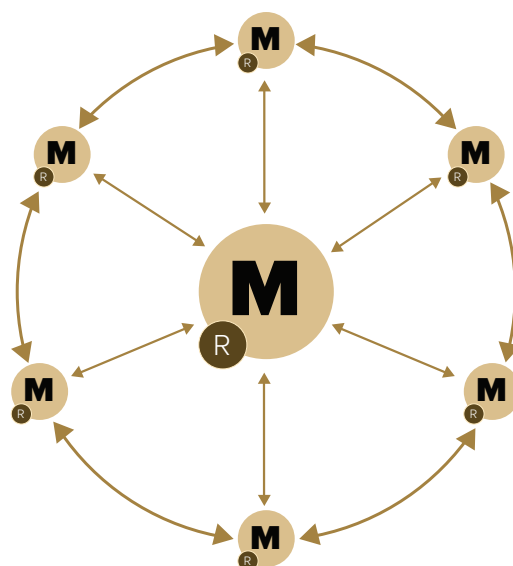
AUTOTRANSACTIONS

Since any operation with a wallet should be confirmed by the system, incoming transactions (and balance checking) are performed by an automatic zero self-transfer from/to the wallet. Such an operation requires from the system to draw up the balance: unfinished transactions will be read from the blockchain and registered in the balancing block of the wallet.

VERIFICATION OF OPERATION

Since XRONOS works on the basis of a Blockchain technology and does not have detached control centers, on the basis of direct data exchange, all transactions must be checked for correctness. In simple terms, the system must make sure that this or that wallet does not try to deceive it and really transfers its funds (and it is not its business to whom exactly). Mathematically, the solution is simple and elegant.

HANDLERS AND VERIFICATORS

The task of the Handler is simple – to calculate the «future» and to predict the result of the transaction, to find a group of verifiers, and let them verify the same data for their copy of the blockchain.

The task of the Verifiers is to check the data on themselves, without revealing how exacty they got the result. Both of these, of course, are achieved with the help of hashing and data encryption.

Similar transaction confirmation systems are used in other systems (for example, in Ripple), but the XRONOS system is more secure and better protected, because transactions are processed not by trusted individuals, but by random and anonymous verifiers.

BONDS

An interesting feature of XRONOS which consists of transfers (debiting and crediting) divided into two independent processes, allows bonds to work. Bonds are incomplete transactions, which can be brought to the logical conclusion (that is, before placing money to the account), with the known number and password.

Consider that this is a kind of «crypto money in an envelope» or «an indefinite check for bearer», with the help of which you are free to do what you like: donate, hide, bequeath, sell, exchange or simply lose (for example, by throwing a flash drive or printout with access code and bond address).

Bonds cannot be divided into parts or be repaid by a group of people: crediting to an account (that is, changing the information about ownership of funds in a blockchain) is being conducted once and in full. At the same time, such processes are little different from direct transfers from a wallet to a wallet, except that the funds in the chain of blocks instead of crediting to the account of a real user are being «frozen», and the author of the created bond is given keys to access the funds. All bonds are disposable and can only be repaid in full.

SECURITY

The mechanism of the transaction production in XRONOS is based on already known principles used in other crypto-currencies, but the way and combination of using them allowed to get a qualitatively new result. The so-called. «Master nodes» are engaged in conducting transactions: network nodes, which are entrusted with the storing of the blockchain and performing the corresponding calculations.

RING SIGNATURE

A high level of privacy in CryptoNote is realized by using ring signatures that hide the sender, as well as one-time addresses that hide the recipients. All operations in XRONOS are performed and checked by random nodes on the network, and the verification mechanism is secure and anonymous. No one can determine which transaction the network node performs or confirms at the moment.

ZERO KNOWLEDGE PROOF

Above, we discussed the mechanism of transaction operation and verification in XRONOS. Anonymity of payments is achieved by dividing the transaction into two stages (transferring and crediting to the account), unattached to each other. For the Handler, the main task is to check the possibility of outgoing coinage spending, and it does not disclose to the Verifier any information about the purpose of the transfer. Verifiers, on the other hand, disclose nor their source data to the handler neither the calculations performed, but the hash of the result. Thus, the prover does not know the result of the original model, and the verifier does not know the results of the work done by the proving ones.

PROOF OF WORK

Despite the lack of mining, the XRONOS system fully realizes several principles, which are the basis of the Proof-of-Work algorithm. The system is protected by the block system from the substitution of data: each new block includes a hash of the previous one, and so on until the very first one, before the crypto-currency «beginning of the times». Verification by the algorithm of the ringsignature requires the implementation of a certain amount of computational operations to obtain hashes of the results. It is quite easy to make such calculations, with valid data, Handlers and Verifiers, while the amount of computational work on the side of an attacker, who does not have complete data, makes the effectiveness of normal network attacks meaningless. The price of the attack will be so great that it will be more profitable not to conduct it.

When the coins are credited, the «possibility» of the transaction is calculated in the same way, but the one-time transaction address stored in the block is used instead of the wallet-sender. In this case, only the single computation of the hashes of the current, previous and subsequent blocks is used to control the chain of blocks on the side of the Verifiers.

PROOF-OF-STAKE

On the basis of the Proof-of-Stake algorithm lies the need to prove the storage of a certain amount of funds on the account. In most cryptocurrencies, in which this algorithm is approached, users with a large amount of funds on the account receive some advantages from the system, as they are considered to be more secure and disinterested in fall of the exchange rate of this coin.

POS is used only to create «Master-nodes» (its cost equals 1 000 XPO, «frozen» on the owner's account) in XRONOS. Since for conducting a successful attack on the system, at least more than 80% of nodes performing transactions are needed to be controlled, the damage from such aggressive actions against users of XPO will block any possible benefits, which further enhances network security.

There is no immediate reward for the execution of calculations (that is, mining), but the Master-Nodes receive a part of the commission for conducting and approving transactions. The value is small, but the number of operations in the network with its organic growth will make the content of the node financially attractive (about 8% annual).

BONDS SECURITY

When making a transaction of receiving coins from the bond, to determine the number of the bond, multiple hashes are recalculated with the search of all «pseudo-wallet» addresses. In this case, only the single computation of the hashes of the current, previous and subsequent blocks is used to control the chain of blocks on the side of the Verifiers.

MOTIVATIONAL SERVICES

Even among young people who actively use the Internet and high-tech gadgets, popular skepticism toward crypto-currencies is popular. The reason for this attitude is banal: the fear of the unknown and incomprehensible, warmed up by classic media. They say, the bubble is all this, Ponzi scheme and cheating. To refract this viewpoint and popularize the Crypto currency, we intend to launch a number of motivating services that will show users the true face of XRONOS which is a safe, simple and understandable cryptocurrency.
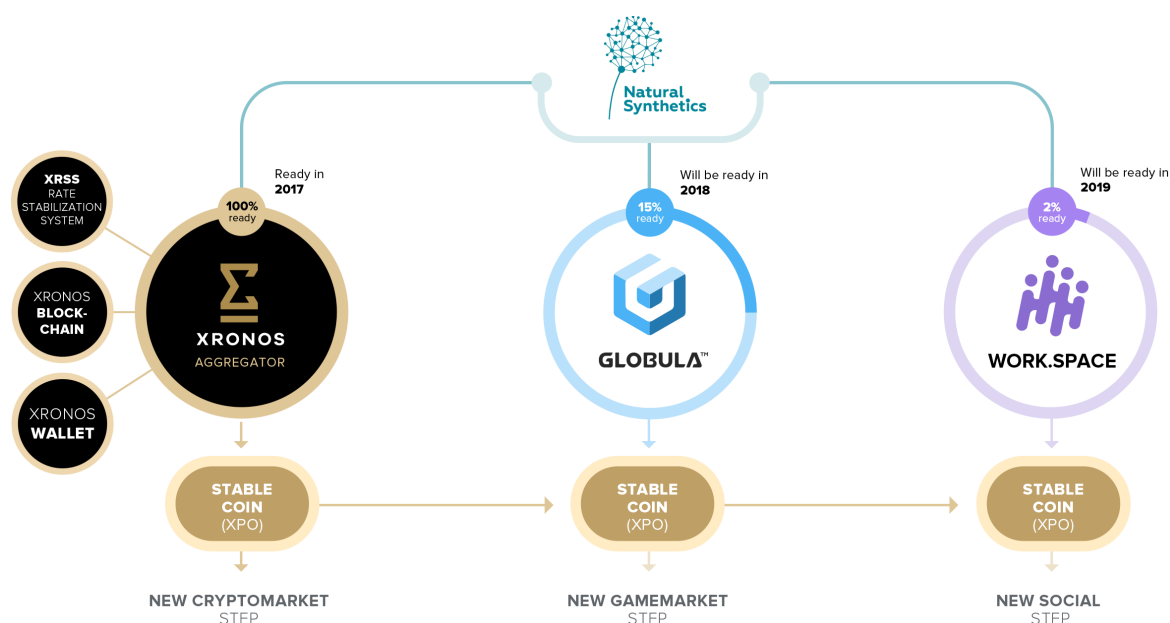
GLOBULA, POWERED BY XRONOS

«Globula» is a planned gaming service with geolocation and augmented reality, which functions on the basis of blockchain and XRO. By itself, it is needed as a demonstration of the capabilities of the XRONOS system, the popularization of cryptocurrency and soft teaching the basics of crypto-economics in a game form to a large number of users. An additional goal is the development and popularization of tools for the development of the p2p economy.

To make this happen, at the development stage, an API for interaction with the cryptocurrency will be created, wrapped in a simple and friendly block interface for a simplified programming language. It will allow any unprepared user to describe real-world events and attach operations to them in XPO.

Modern games often use the human craving for creativity, encouraging the active users' interaction and the creation of their game content. Such platforms are an

ideal way to roll out fresh technologies on a small society, but which is functioning in accordance to certain rules.

WORK.SPACE

«Work.space» is the development and a transfer of successfully realized episodes from «Globula» into the real world of p2p-economy. Conceptually Work.Space is a hybrid of a messenger, social network, digital wallet and bundles of contracts for the provision of services or the delivery of goods. The main goal is to give people the opportunity to work with each other directly, with minimal financial and reputational risks.

XRONOS-EFFECT

The result is a simple and harmonious picture. XRONOS locks the market of the classic «crypt» and technologies related to it, so as the real sector of the economy. The XPO exchange rate is bound to the cost of one labor hour, indexed in the ratio of the prices of the currencies of the five largest economies. This price is maintained by a trader-bot with the help of its portfolio of cryptoactive assets (CCB). A stable exchange rate and connection with real economic indexes will allow to expose the price of goods and services directly in XPO, and the cryptocurrency component will extend all bonuses from using blockchain-technology to the world of «old money». That is, it turns out to be the way which was exactly required – a kind of «bridge» between the old and new economies
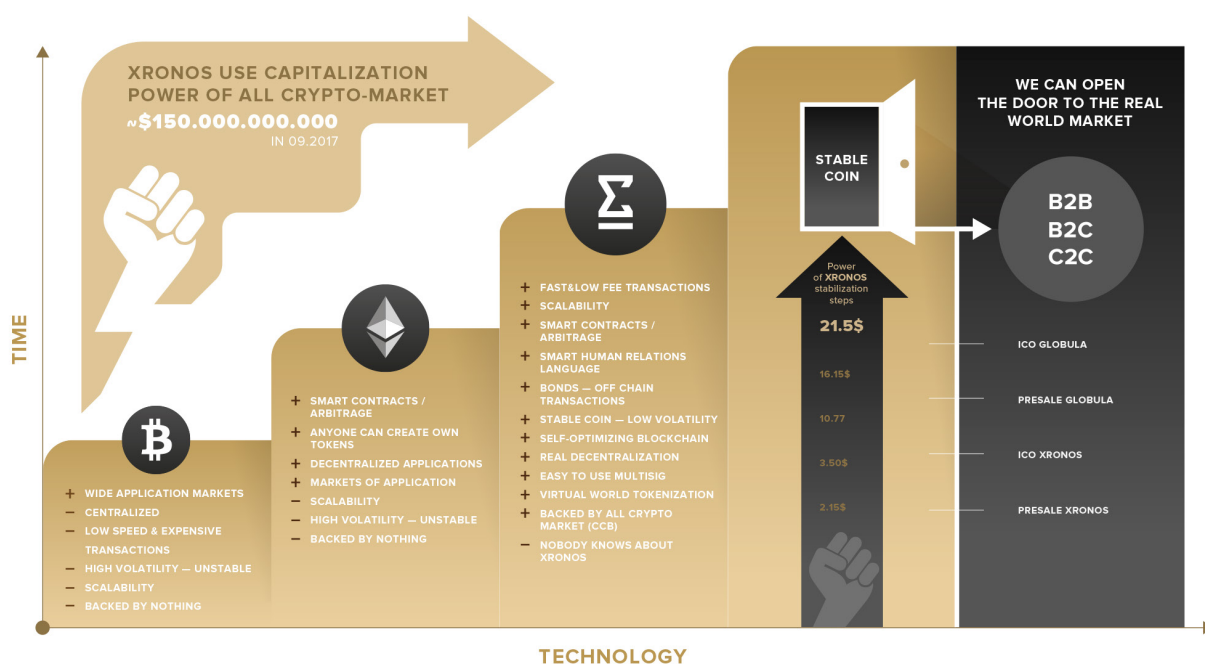
XRONOS INFLUENCE ON CRYPTOCURRENCY MARKET

Now on the territory of the many countries there is only one circulating medium – their sovereign currency. The same situation exists in many other countries – you can only work in national currency. Imagine that the states will agree with each other and allow the use of crypto-currency coins, which before that had been mined and undergone years of development and turned in the shadow of the economy, within its territory.

It is very difficult to set prices directly in them (and it is unlikely that someone will do so) - the rate is floating in significant limits, that is, the goods will sharply and unjustifiably rise in price or become cheaper. Making conversions on the fly, at the time of purchase at the current exchange rate is unprofitable, and why do you need these cryptocurrencies if people already have banks and systems of the same type as Visa or Master Card?

If we add to this situation a single cryptocurrency whose value is bound to the arithmetic mean of exchange rates of all countries and fluctuates within 1%, then we will get something like universal digital money. They can be used as means of international calculation (bought 1 coin for dollars, sold already for euros), but it will not have a special effect on the market for another «crypt».

But if you imagine that all the cryptocurrencies are exactly the same states (just located in the digital space) and apply the same algorithm on them which is gathering the currency basket and recalculating the exchange rates, equating them to the unit of our «universal crypt,» it turns out that it is, on the one hand, provided with goods and a stable economy of the real world, and on the other hand, it has well-adjusted (albeit regularly revised) relations with the economies of the «digital states».

In this case, it does not matter to us at all how quickly the rates of these currencies change and what is behind the economies of these states, it is sufficient to know the percentage ratio of the two economies in order to make mutual payments between them. Over time, such trade links will lead the system to the maximally equalized state, corresponding to the «strength» of different economies.

With such a balanced payment system, any company, from the smallest family businesses to real industrial holdings, will be able to discover cross-border trade at favorable exchange rates.

STAGES OF DEVELOPMENT

XRONOS tools are tested, tuned and ready to operate, but for real changes in the economic environment, the system lacks just one last instrument – the trust of users. And for the sake of trust, XRONOS just have to be demonstrated once. For making this happen we arrange several stages of testing. At each stage the price of the XPO will rise. The coin will be considered completely stable when the size of the CCB guarantee package reaches 200%. From now on, the system will support the XPO rate in a narrow corridor, between the wall of buy orders of GAW-1% and the wall of sale orders of GAW + 1%.
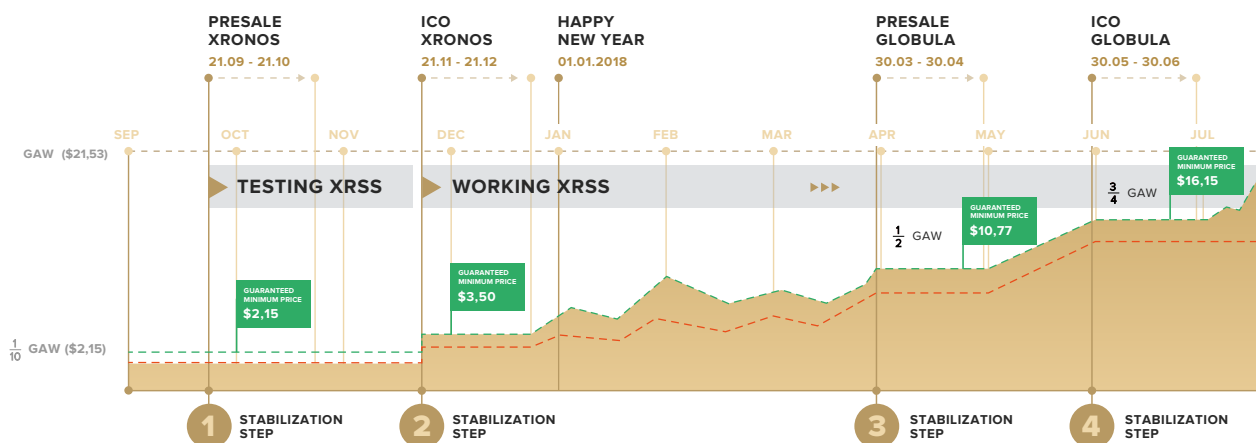
EXCHANGE DEMONSTRATION. PRESALE (BEGINNING – ENDING)

PreSale for users is a beta-test of the exchange rate stabilization system and a demonstration of the trinion of the xronobots. In the process of pre-sale of the first million of XPO coins, users will have the opportunity to buy coins for Bitcoin at a price of ~ $ 2.15 per unit. Transaction of XPO coins to the user's wallet will be made after the safe (at the time of the transaction) number of block confirmations by the Bitcoin network. Once in 24 hours 80% of the funds received will be sent to the crypto-currency basket (CCB). The remaining 20% of the funds will be used for development of the project or preparation for the next stage of sale of coins.

Simultaneously with the Presale, the stabilization system (XRSS) will begin its operation, which will consistently direct received funds to other crypto-currencies using buy orders on exchanges.

It is important to note that each user receives full control over his own funds and an absolutely transparent risk system: 20% will be used for development of the project, and the behavior of the remaining 80% depends on the cryptocurrency market. If the capitalization of the crypto-currency market by the time of the beginning of the next stage will grow, then the maintenance of each coin will rise, and hence the value in a fiat currency. If it falls down, then well, this is the market, and the «bitcoins» lying on the account would just depreciate as well. Perhaps the losses would have been even higher, as the cryptocurrency basket includes other coins, whose rate may fall less or even grow.

DEVELOPMENT INTENSIFICATION. ICO AND POST-ICO. (BEGINNING – ENDING)

At the ICO stage a small speculative factor was put deliberately: it is necessary to properly test the operation of the mechanisms of cryptocurrency with real users. At the initial placement of coins, the main sale will be 9,000,000 XPO, but at a price of about $ 3.50. Similarly, within 24 hours 80% of the funds received will be used by the guaranteeing xronobot (XBG) to replenish the cryptocurrency basket (CCB) of the Stabilization System (XRSS), and 20% of the funds will be directed by the company to the development of motivating services.

Starting with ICO, users can freely conduct operations with XPO at the markets.

MOTIVATING SERVICES DEVELOPMENT

After the completion of the ICO, work with partners will be conducted in order to integrate XPO into their services. The development of the game service «Globula» will be continued. Users will be able to actively use XPO, including possible exchange transactions at the market.

GLOBULA LAUNCH (PRESALE – ICO)

With the launch of the game «Globula» we will repeat the limited PreSale and ICO for new users, but with the rising prices for coins. The exact cost of XPO at the time of

Presale will be calculated on the basis of the current operating financial indexes of the system. Preliminarily it is planned to achieve the exchange rate from ¼ to ½ (or from ½ to ¾, depending on the growth) of GAW at the PreSale stage and from ½ to ¾ (or from ¾ to 1 respectively) of GAW to ICO stage.

WORKSPACE LAUNCHING (RATE STABILIZATION)

WorkSpace is a social network for working relationships. In other words, this is a mix of LinkedIn and the Freelance Exchange, backed up by a secure payment facility and clever contracts. The release will come just in time for the complete stabilization of the XPO rate app. in 1 GAW, which means that XPO can be used without risks of underestimation or reassessment of the cost of work.

RESUME / XRONOS – CRYPTOCURRENCY AND BLOCKCHAIN-TECHNOLOGY AGGREGATOR

Even the most conservative politicians understood the merits and advantages of blockchain-technologies. The need to transfer the financial system to the new rails is discussed more often in the goverments. The implementation of these initiatives can drag on for many years.

RAPID SOLUTION OF THE PROBLEMS

XRONOS is ready to solve most of the problems of the «transition period» today, and the only thing that is missing is the users who believe in the system. We tried to make all the elements of XRONOS open and understandable, explained each formula and showed the elements in action. At first the concept may seem somewhat confusing, but in fact everything is very simple.

LOGICAL STRUCTURE

XPO emission is bound to the needs of the exchange (demand).

XPO rate is supported and backed by other cryptocurrencies.

XPO coins can be used as means of payment and be exchanged.

After stabilization stages, XPO rate will equal GAW (an equivalent of 21,53 dollars USD for 2017).

THE CONTACT POINT OF TWO ECONOMIES

The monetary unit of XRONOS (XPO) is capable of becoming a real measure of goods and services value, and this does not require its ubiquitous use. The fixed exchange rate and guaranteed liquidity will allow to integrate XPO at any stage of the production or supply chain. You can even conduct cross-border trade: through

XPO you can input one currency, and output another one. The project is ready to be launched and is waiting only for you – users.

UNIQUE FINANCIAL INDEXES

The behavior strategy of xronobots will lead to the condition when each XPO coin will be backed by 200% of its value in cryptoassets. There are no such indexes of backing in the world, even among the most stable currencies of the world.

TRUE DECENTRALIZATION

We are striving to create a «1 user is 1 vote» system. Therefore, we have developed an interesting mechanism validating the user's reality but without de-anonymization. Now here we have not enough space and time to talk about it. That's why we are going to prepare a separate whitepaper dedicated to the system in the near future.

FAST AND SECURE TRANSACTION ALGORITHMS

The cryptocurrency itself and all content transactions are built on the principle of «nothing extra»: the complexity of calculations conducting and verifying transactions is practically free either from the amount of the currency issued or the amount of information accumulated in the blockchain. In 5 years one such transaction will take as much time (or less, the power of computers is something to grow) as it takes now, and the speed of transactions will be linearly scaled with the increase of the number of Master-Nodes in the network.

SECURITY AT THE HIGHEST LEVEL

Security is not harmed at all: XRONOS is protected from unauthorized changes of information in blockchain. The security of XRONOS is better than any other cryptocurrency, as it combines several technologies that have been successfully used in the market for several years. With the development of the network, any attack on XPO will become an unreasonably expensive pleasure.

SMART CONTRACTS AND BONDS SYSTEM

XRONOS blockchain supports the functionality of smart contracts. And in the nearest future a simple interface will be available for creating and describing them (at the moment it is being tested internally and updated). This will allow to encapsulate other cryptocurrencies and phenomena from the real world into XRONOS system.

Off-chain operations are available through the bond system – unfinished (frozen in blockchain) outgoing transactions, which can be credited to your wallet at any time, with known access settings. The bond is extinguished once and completely, it is indivisible and cannot be reused. The system can ensure solely the security of the payment itself, and not control access to the data of the bond, so the risks of using this tool are on the users.

CLEAR GOALS AND UNDERSTANDABLE MEANS OF ACHIEVING THEM

Another undeniable advantage of the project is a clear understanding of the goals for the next few years. We do not only create a cryptocurrency and a convenient interface for operating it (a wallet), but we also give people tools for direct interaction with it. To popularize crypto-economic concepts, a geolocation game project «Globula» will be created that will help beginners to join the world of cryptocurrency. For the work and application of XPO into everyday life Network WorkSpace will be created.

SUM OF QUALITIES

XRONOS is simple, transparent and secure. It has clear development prospects and it is attractive for users preferring low level of risks. Join PreSale, test, earn and share your opinion. The financial system of the future is waiting. You are one step away from opening the door to the new world.

ROADMAP OF THE PROJECT, FIRST YEAR

PLANS FOR THE SHORT-TERM

Any cryptocurrency depends on users. Some of them just use it for safe and secure transactions, the others get new coins and earn on it. It will be very difficult to increase the minimum necessary user base if the coin is stable from the very start; and it will be relatively simple if we take into account the fact that at the initial stages a speculative factor is possible and the first users can earn just on trust to the system.

We have developed several steps to stabilize thy exchange rate and attract new users to the XRONOS project. Each of them has its own purpose and characteristic.

TOTAL XPO DISTRIBUTION

First 21 million — rule 80/20. More than 21 million — rule 98/2.
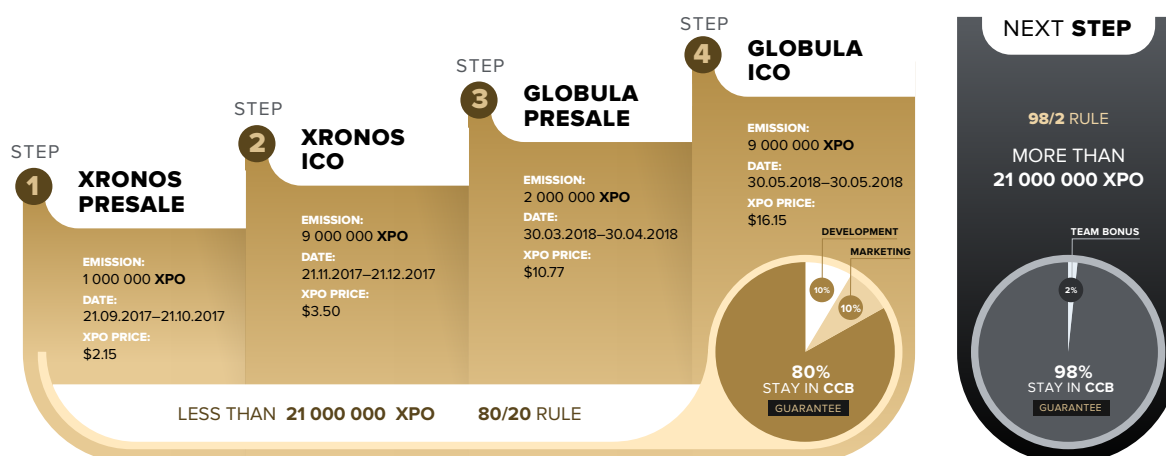
STEP 1: XRONOS PRESALE

The main goal of the Presale is to demonstrate the work of the main element of the new cryptocurrency, the XRSS (Exchange Rate Stabilization System). The subsidiary goal is to raise of additional funds to develop the project, in particular, to get ready for the main sale of coins at the ICO.

> **The XRONOS**
> **Presale at the rate of $ 2.15 for 1 XPO will be held from September, 21 to October, 21, 2017.**

The funds from the Presale will be divided into two parts. 80% will go to capitalize the cryptocurrency basket and guarantee funds returning to users (by Vertex Capital Management LTD (incorporated in British Virgin Islands). The remaining 20% will be used to develop the project (by Vertex Capital Management LTD (incorporated in British Virgin Islands):

• Marketing for ICO;

• Development of the game Globula.

Between the Presale and the ICO there will be held an open #testdriveXRSS. The first users in real time will be able to monitor the work of the Exchange Rate Stabilization System in practice. That will help them to make a decision on the further strategy at the ICO: buy, sell or leave coins in their own hands for further growth of their value.

STEP 2: XRONOS ICO

At the ICO stage, the main tools for working with the cryptocurrency will be activated. A wide free resale of cryptocurrency will be available. Simultaneously, the main sale of 9,000,000 XPO will take place by Vertex Capital Management LTD (incorporated in British Virgin Islands).

> **ICO XPO at the rate of $ 3.50 for 1 XPO will be held from November, 21 to December 21, 2017.**

Similar to PreSale, 80% of the received funds will go to stabilize the exchange rate and support XPO (by Natural Synthetics ltd. (incorporated in the Cayman Islands). 20% of the profit funds will go to develop the project and markets applying XPO (by Vertex Capital Management LTD (incorporated in British Virgin Islands).

STEP 3: GLOBULA PRESALE

In the second Presale, we focus the attention on the motivating service that is Globula, the geolocation game based on an augmented reality and cryptoeconomy. Besides popularizing XPO, one of its main goals is teaching a wide range of users how to work with cryptocurrencies. Part of the received funds will go to pay for the development of the Globula.

> **The Globula Presale will be held in the spring of 2018.**
> **The price of 1 XPO will be set depending on the XPO exchange rate, but not lower than $ 10.75.**

As usual, the profit from the Presale will be divided into two parts. 80% will go for capitalization, the remaining 20% will be used to develop the project:

- Globula Marketing;

- Development of the game Globula.

STEP 4:GLOBULA ICO

It's the final stage of stabilization. At the Globula ICO we will form the final budget of its development, integration of crypto-API and marketing of motivating services.

> **Globula ICO will be held in the summer of 2018.**
> **The price of 1 XPO will be set depending on the XPO exchange rate,**
> **but not lower than $ 16.15.**

The classical division 80/20, the income will go to:

- Active marketing of the Globula game;

- Completing of the Globula game development.

FINAL RESULTS OF THE SALES

In total, during the sale, the system will emit and sell 21 million XPO. Most of the received funds (80%) will go to the XRSS and guarantee the exchange rate and liquidity of XPO.

Further emission and stabilization of the exchange rate

Further emissions of XRO will be carried out automatically by the emission chronobot at the price of GAW + 1% (for 2017 1 GAW = 21.53 $), in the case of demand only.

The XRSS will receive at least 98% of the received funds. The remaining funds will go to compensate for exchange transaction expenses, support the network infrastructure and further development of the project.