



PROJECT GLOBATRIX

TOUCH THE FUTURE



Whitepaper V.1.1
by Gruad Technologies



Abstract

Internet became one of the most important inventions for the humankind in formation of our social life and activities, the way we interact and do business, and we cannot imagine our life without it. Originally planned with decentralized and distributed structure, meant for sharing and collaboration, with the current logical model of the World Wide Web it became competitive, traffic-oriented, demanding more resources, advertisement based, having privacy and security issues, information control and manipulation by third parties, resulting in high competition, monopoly, Internet Congestion problem and many other issues reulsting in models bottleneck.

With the help of the blockchain technology it is possible to revive the original concept of the decentralized Internet. The new Cyber World with the new model, based on collaboration and communities, transparent electronic voting, latest technology concepts, honesty and reward,information freedom, greener mining approach solving 51% attack problem, and poor regions improvement, geography without borders, based on intelligent algorithms and full VR capabilities turning it into a completely new dynamic and exciting ecosystem, where possibilities are only limited to imagination. Such system is offered and described in this whitepaper.

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Introduction

The technology shapes our society based on how it affects our everyday life.

Internet became one of the most important inventions for the humankind and changed our lives forever.

As the existing model is overloaded and resulting into high network usage and overload, creating not only competition and monopoly, but also resulting into the greenhouse effect, the new concept and model is offered today, based on the blockchain technology, latest innovative technologies, collaborative rewarding logic and information freedom.

Project Globatrix is the new decentralized Cyber World standing as the new model of the World Wide Web with entirely new logic and full VR capabilities, easy and free built-in solutions to expensive problems not affordable by everyday user, enhanced privacy and security and intelligent platforms optimization through the use of shared collaborative webmasters network, distributed traffic managers, also acting as distributed search engines and Globe VPN protocol that allows the data to flow freely with no possibility of being stopped or bocked by third parties.

The model integrates its own approach to the financial structure and resources allocation for social, data, trade, marketing, and goods exchange sectors where such exchanges can happen without fiat or crypto currency involved in the exchange, but only based on their value and products price inside the ecosystem disregarding the geographical location.



Our Mission

Original concept of Internet was decentralized and the way it works today is based on competitive models logic.

Our mission is to use and combine our skills and knowledge to benefit the society and surrounding environment by developing an entirely new, improved, self-sustainable and balanced virtual world that will solve the problems of the existing model, will highly lower competition and monopoly, will allow information freedom and enhanced privacy and security for everyday user, will decentralize search engines, will use intelligent approach to advertisement and marketing, will optimize and balance networks load, greener blockchain, honesty rewarding, users and webmasters, information sharing and managing, collaborative environment based on communities decisions and transparent electronic voting.

We have gathered great minds from around the world, who share the same passion and who will take part in the development process, making our society and the planet a better place.





Main Concept

Internet Congestion Problem

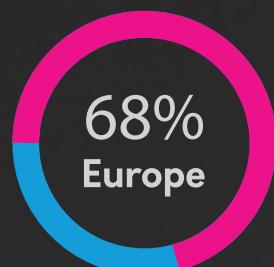
With every innovation on the Internet comes the congestion.

The amount of content shared and accessed by the world's **2.4 billion Internet users** is constantly increasing in volume and size. Content is outpacing Internet Hosting and Service Providers' and the ability to efficiently deliver it.

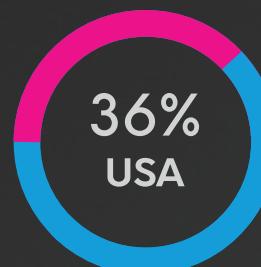
Even with TCP protocol approach that manages and routes Internet users and all the traffic, currently, the only properly working approach is through the increase of the storage space on the entire network.

This mainly happens due to the ads promoted on the websites, Web models logical structure and competition among the webmasters.

In Europe, for example, the current amount of traffic driven by advertisements has grown to 68% of the whole traffic usage, also mobile ads, social advertisement and personalized ads delivered by e-mail are at 36% of the total traffic used in the US (based on the report by Adobe Digital Insights).



68% of Internet traffic in Europe
is used by social, video and viral
advertisements (2018)



36% of Internet mobile traffic in
USA is used e-mail advertisements only

These numbers grow every day.



What basically happens is that webmasters need to monetize their resources by displaying ads or sell advertised products. Such sites need lots of visitors since the average monetization of the ad is \$0.50 - \$2.00 per 1000 unique visitors. Since there is one-way links connection between the sites, to monetize the sites and to make their living, the webmasters are often forced to create multiple sites that will lead to the main promoted resource. Some webmasters create up to 100 sites a day with the aid of data aggregation software to auto build new sites, known as “farms” to point to the main resource. The types and techniques of SEO are different, but this mostly happens through advertisements and affiliate marketing.

Often some webmasters choose the approach to show lots of inappropriate banners and pop-ups to the visitor, because it pays off more to display a banner to the unique visitor in the first 10 seconds, producing the large quantity of copy-paste junk on the entire network instead of building quality resource. Some webmasters create less irritating resources with useful information and subscriptions so that they can send offers by email.

Each approach takes time, money and effort, plus the webmasters have to compete with each other over these resources, since the models logic is structured in a competitive way, leaving webmasters with no other choice to monetize the resource.

Globatrix uses several approaches combined and integrated into one logical model to overcome all of these issues, it alters the protocols and creates the collaborative network with no competition and monopoly where everyone can profit with platforms crypto coin. The resources and data in Globatrix are connected two-way.

Since everything is heavily developed on top of TCP/IP protocol it is very complex to fully replace it with the current state of technology and Internet model, but at this stage, it can be improved with some modifications to its layer stack with the new protocol and different logical structure.

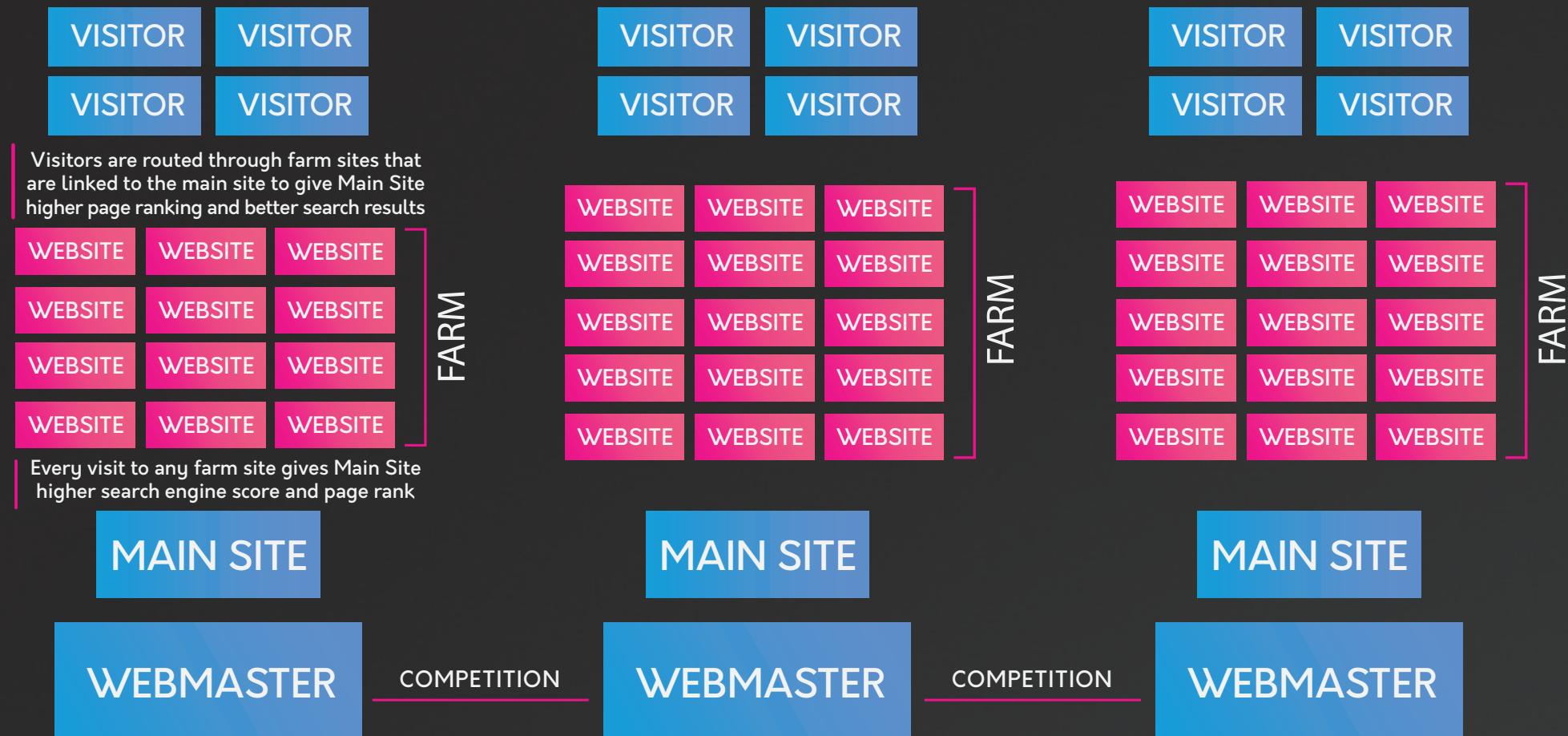
Project Globatrix's approach goes through the Globe VPN protocol, that allows to modify current layers above the Link layer (the physical device layer) and implement new Internet and Transport layers through the hashed addresses on the network (replacing logical concept of IP address) that are routed with nodes Network Map Record through the Traffic Managers who act as decentralized traffic/resources management servers and decentralized search engines not controlled by single entity or any third party.



Traffic Manager is server-side software that comes for free as part of the Project Globatrix and it is very important part and concept that will be explained further.

Additionally, this approach solves several issues with users privacy and security.

Then it comes to traffic and space allocation.





Inside Globatrix, Webmasters don't need to produce large quantities of content and don't need to compete over resources. Everything happens through webmasters collaborative network and Traffic Managers routing, driving visitors to the shared resources and rewarding Webmasters with platforms crypto coin for visits.

As the result, the Webmasters benefit from sharing in collaboration, fewer space resources are used and less traffic. Also in Globatrix the links are bi-directional, connected through the logical network map which is stream ciphered 3-dimensional interconnected mathematical matrices.



Visitors are routed through Traffic Managers that act as decentralized search engines and network traffic optimizers, and also collaborate to load the results faster



Webmaster collaborate as the webmasters collaborative network to share and provide the resources, and after the visit to the website, both, the Webmasters and the Traffic Managers are rewarded with crypto coins by the platform



How Search Engine Optimization (SEO) works in Globatrix Web model



The issues with the advertisements are also solved through users' node, which in Globatrix is called **AVATAR** and is highly configurable interface.

In the current model, it makes no sense that visitors see adverts of the products based on their past search results; as such cookies may live up to 60 days.

Globatrix has no Cookies. The browser is structured in such a way that it works with Avatars configuration that is securely exchanged with Traffic Manager and has no holes for any adware and spyware attacks.

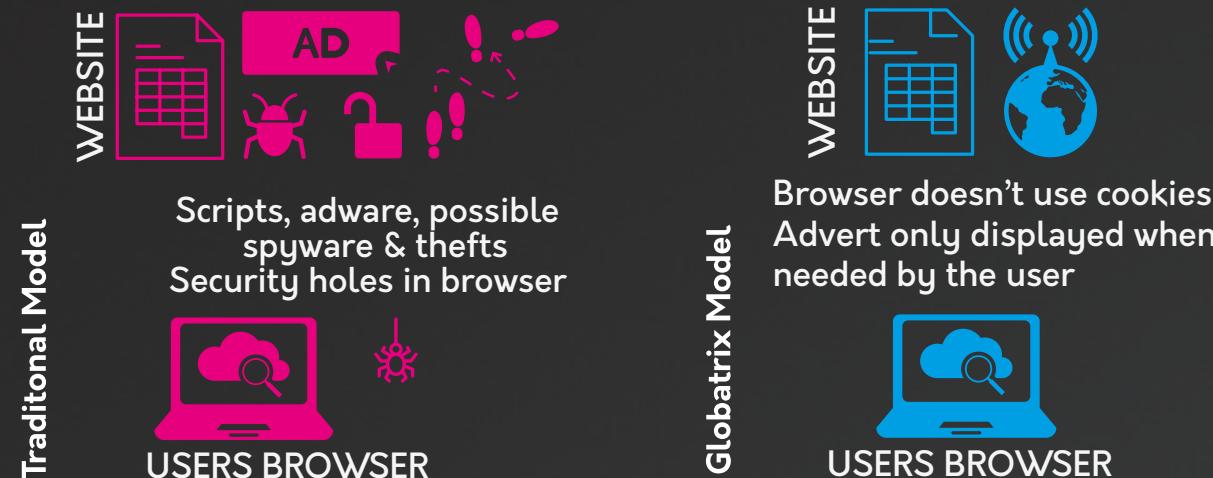
The user is able to see or hide anything advertisement related based on personal preferences, this concept has also been restructured based on direct interaction with the user and actual need to see the sellers products when looking for something specific. Also, the interface is highly configurable and intuitive.

The Traffic Managers filter and deliver results back to the user without having access to any sensitive data.

If there is a chance for someone trying to alter the Traffic Managers code, there are several steps taken to prevent this to happen and to increase the security measures:

Traffic Managers will have no access to transactions and users wallets in any case.

Payments between Avatars will be made through special vaults based on platforms API.





Marketing & Advertisement

On the Internet we can see advertisement anywhere we go, any site we visit, many videos we're watching get interacted with advertisement. The Internet itself has grown into the largest advertisement network covering the whole planet. It feels like the next step that will take place is that you will have to watch an advertisement to watch an advertisement. Most of the websites we visit are based on the advertisement and made for advertising purposes and many of them are nearly copy pasted versions of other websites that serve the purpose to share more adverts.

It is understandable, because advertisement and marketing is a huge industry, but it started invading our personal space and we can see it everywhere even if we don't wish to. The logical approach would be to see the advertisement of the product when you actually look for the product and you wish to see the advert to understand products characteristics to make a decision if you need to buy or not.

We came up with an approach that allows advertisers to advertise for free, webmasters to get rewarded based on the website usability and content quality and the users to see the advertisement only if they are intended to and if the advertisement matches their interests at the current moment, nothing like cookies that display same ads for the next 60 days when not needed. This approach also made to direct only interested customers.

The Sellers submit their ads to the webmasters network for FREE and based on the websites visitors interest one or another advert will be displayed to them if they have an ads option enabled in their settings when looking for something specific.

The reputation of the seller will be based on the quality of the product and its detailed description judged by the customer or customers community when the seller will rather describe products features instead of offering something unreal and non-existing (the dream product) and sellers reputation will be determined based on that description and sellers honesty.



Information Freedom

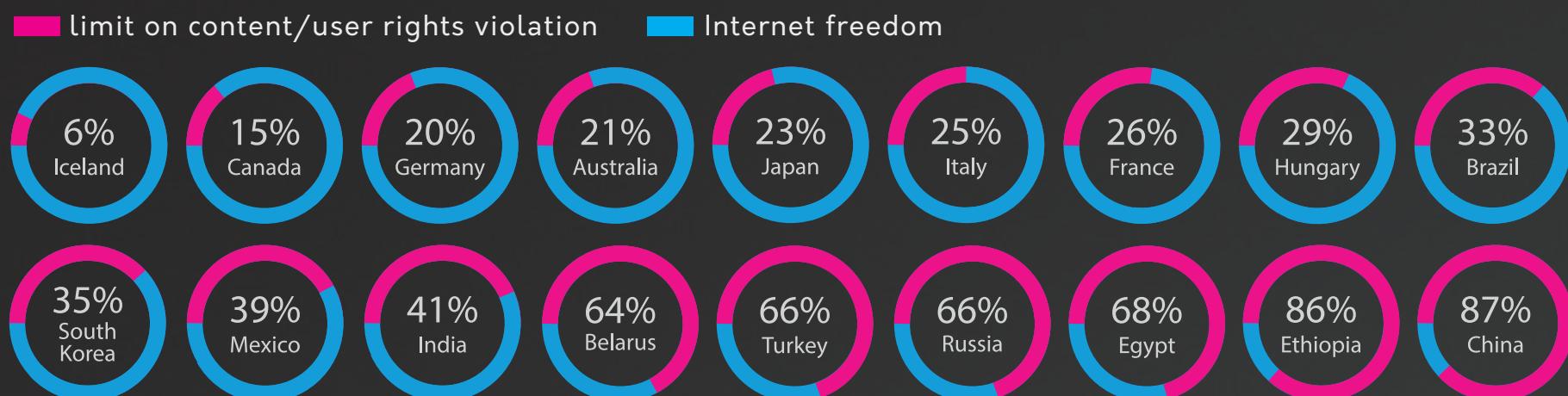
We know that information on the Internet is often controlled, blocked or manipulated by third parties. Some news agencies add an extra “spark” or twist to the meaning of the information for extra rating and profit. Some countries block others useful and valuable resources even if they don’t break any applicable law. Information manipulation for the ideological purpose usually divides great minds instead of uniting them.

Another good example of **information control** is the latest announcement made by one of the major game changers **GOOGLE**, that **starting June 2018** they will **block** sites running **ICOs** from search indexing.

Twitter has taken the same route, but they haven’t announced the dates yet (Sky News reported it as **soon**)

This approach is understandable, because the keywords like cryptocurrency or ICO blocks any other useful information except sale of tokens many of which are potential frauds, but again, it is the flaw of the search algorithms on many platforms, because if such search results will be excluded from the search results, many potential start-ups that offer technological improvements and making our social life and our life better in general, may not make it through without being easily discovered by others.

There is such term known as Internet Freedom, in the graph below you can see the statistics for Internet control in some countries, the higher is the number, the more control there is where the majority of countries limit content and also there is a violation of user rights:





Globe VPN Protocol

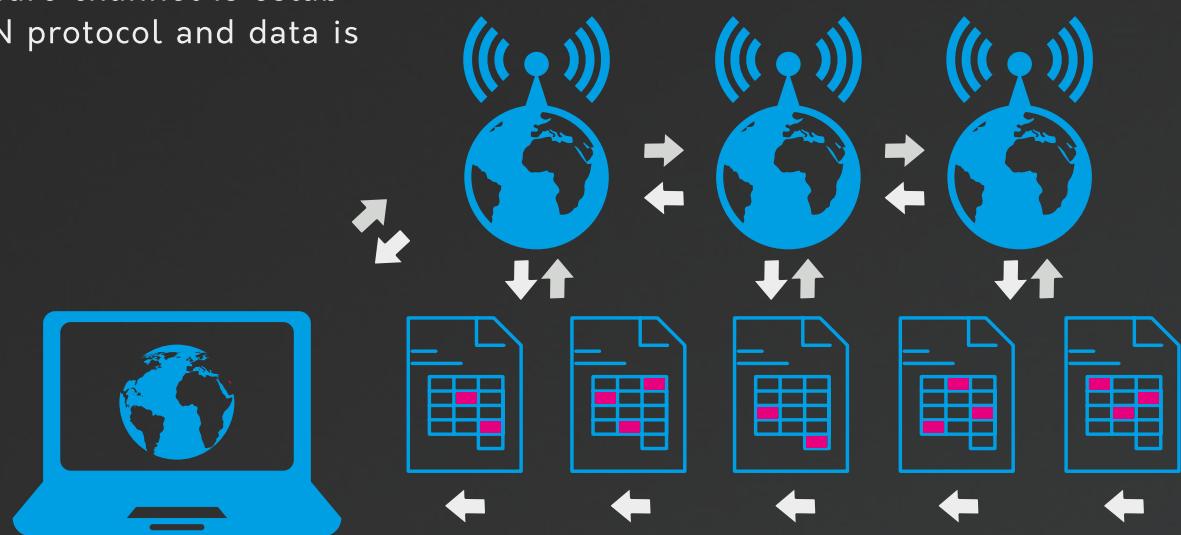
In Globatrix the traffic is used in a decentralized manner, the information flows freely across the globe through the secure Globe Tunnels (Globe VPN Protocol) and there are no entities or third parties that are able to stop, block or affect it. Traffic Managers act as decentralized search engines, ensuring that no useful content is excluded.

It replaces the traditional TCP/IP protocol with its own stack of layers, resulting in more secure and private approach and your physical location is only known as logical location on the network understandable only by Traffic Managers through their network map. In Globatrix Cyber World the physical location is not important.

The logical IP is replaced by Avatars ciphered network address only represented in the logical map and not disclosing the physical location on the network. The relations between the Avatars are written in the network map.

It uses GlobSec based on Diffie-Hellman, to avoid the MITM (Man In The Middle) attack, first it establishes the GKI (Globe Key Initialization), to establish the connection between the User, Traffic Managers and Webmasters, after the distribution load has been set according to the network map, the keys are altered between the Webmasters and User, secure channel is established between them with Globe VPN protocol and data is transferred to the User.

The user requests website through the Traffic Manager, the Traffic Manager shares request through Traffic Managers network and all related pages with data are found and then are requested through the Tunnel between the User and websites





Monopoly & Competition

The models' architecture allows making competition and monopoly least possible.

The platforms logic is based on concepts of collective intelligence and collaboration, honesty rewarding and quality of content and products.

Everything is designed for the more collaborative environment using the collaborative and collective intelligence approach to earn money and have more time to dedicate to the quality instead of quantity.

Intelligent Algorithms (not AI) prevent the possibility of monopoly in its today's terms.

The platform also integrates such concepts as distributed organizations or distributed corporations based on organizations community and transparent electronic voting process.

Honesty Rewarding

Many sellers offer their goods as “dream products” which is often quite untrue and these promises lack quality, same with services and web resources.

Globatrix integrates Reputation Record for each node (Avatar) on the network, so if the sellers goods description are not what was expected, then such seller will get negative reputation points from buyers, resulting in less trust, and otherwise, if the seller was honest and buyers give seller good reputation points, then the seller is rewarded with crypto coin from the platform. So it is more profitable to be honest in Globatrix, leaving happier and returning customers than in the current model.





According to the White House Office of Consumer Affairs statistics for customer satisfaction report, it's not the price that turns the customers away, but the overall product quality, and 91% of the unhappy customers will not complain, but will rather turn to the competitor, and 55% of overall customers will rather pay extra to guarantee a better service right from the start.

ICO Bubble Problem

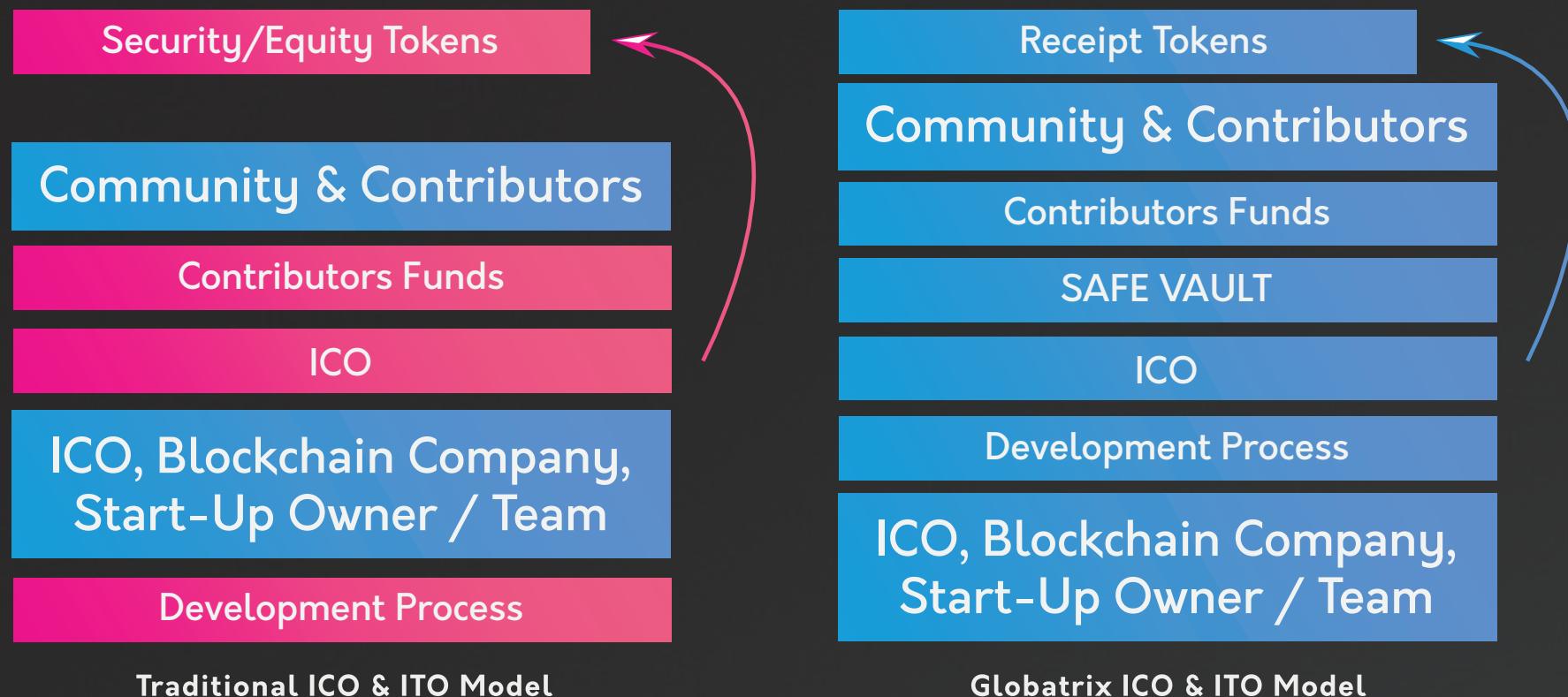
The problem of the ICO Bubble appeared with many ICOs raising funds and there are possibilities when start-ups don't keep their promises or when collected funds were not used transparently enough which turns the whole process into sort of "Gold Rush" and not the improvement of the existing platforms.

This has produced problem known as the "ICO bubble" requiring additional regulations by authorities and financial institutions, as well as the main reason why the ICO websites will be blocked from search indexing by GOOGLE this June, resulting into information control.

In Globatrix we came up with tools that will allow the companies and start-ups to run the ICO or ITO without actually having access to the funds until the end of the development process, but will have the ability to build the product based on communities decision and direct paying the developers based on transparent electronic voting, where each contributor will get the Receipt Tokens in exchange for the payments made, this type of token won't be treated as security token and it is one approach to allow contributors from all around the globe to participate in ICOs without any restrictions (this approach will be discussed at greater details through the lawyers' network at later stage of Project Globatrix development process, since it's might not be a simple task to create a token representing a payment receipt and then trade it on exchanges), and such process will be done with full transparency and control by the community and investors, when necessary amount of funds won't have to be frozen until the ICO ends and development process can start early.



The raised funds that were not spent will be kept in the safe deposit box until the ICO ends. In case of unsuccessful ICO, fraud or unaesthetic business actions, remaining funds will be returned to the investors according to the percentage of their total input. The fate of the business/start-up owners will depend on their actions and international law.



Please Note that the current model is to be accepted for the ICOs in Globatrix, but the Receipt Token is still a concept that needs to be studied in depth, but our aim is to conduct it through the lawyers' network for right implementation and avoidance of inappropriate SEC regulations.



Collaborative Model

The models logic is based on the concept of collaboration and collective intelligence.

Webmasters Don't Compete

The platform is structured in such a way that webmasters don't need to create multiple copy-pasted websites to receive traffic.

The resources are shared through the webmasters network instead, where every webmaster helps another to profit together.

In addition to that, much less time is needed to be spent to attract traffic to the resources and marketing, allowing focusing more on the content and its quality.

Power of Communities

Globatrix carries concepts of distributed organizations and corporations, where the main power is given to such organizations' communities and decision making is based on the process of transparent electronic voting.

Quality of Global Content

The resources that are shared on the network are intended to have better quality instead of quantity.

It is possible to improve the resources quality in collaboration, forgetting about copy-pasted and not good enough quality content.

95% of the tools are free.

Sharing & Improving

There are algorithms that check shared sites and public content on the network, tracking the versions of the sites and updates history, and based on the reputation and popularity they can offer the webmasters to use better and more profitable version of the content if such exists.



Media & News

The Globatrix Cyber world is not the place for information and content manipulation.

Anyone and everyone can be the news, and shared content can flow around the globe with no borders stopping it where each visitor as well as communities can decide whether to use such resource.

Collaborative Tools & Logic

Globatrix improves existing and integrates new tools for better collaboration for individuals and businesses around the globe.

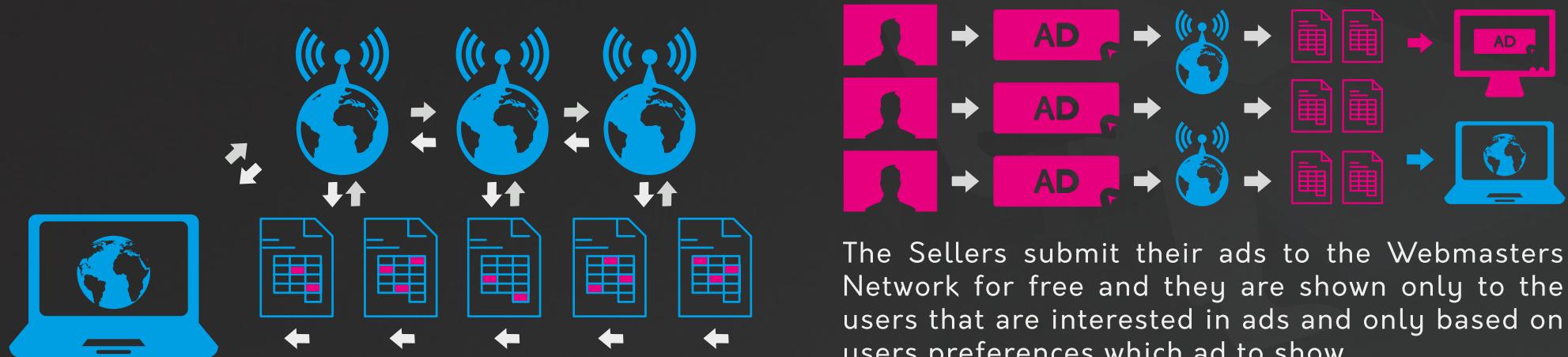
Integrates logic to reduce competition between Webmasters, Sellers, Business Owners, and Miners.

Reduces chances of monopoly.



Traffic Management

- Globatrix introduces the new concept to Internets data decentralization and management, as well as interfaces called Traffic Managers which do advanced data routing and act as decentralized Search Engines.
- Traffic Managers collaborate with Webmaster and Globatrix platforms' Intelligent Algorithms.
- Traffic Managers carry very important role in the Cyberspace, their functions are as important as Miners.
- Traffic Managers distribute functions between idle Miners and determine the processing of data and Webmasters earnings based on Intelligent Algorithms calculations.
- Traffic Managers are the key to all the data handling, deciphering, transferring, and traffic optimization.
- Traffic Managers ensure Users security, privacy, and earnings in the cyber world





Browsing

Gaming

Communicating

Business

Complete VR Integration

Forget about paper and pages emulators
We're going to dive into deep VR

VR Included

Alongside with other features, the platform integrates complete VR solutions and interfaces, enabling all the users who have the necessary equipment to fully interact with the new Virtual Reality world.

The platform adjusts for any device that you use in the VR cyber world based on its technical capabilities, allowing to adapt to any platform and still provide full performance.

New Approach

The platform offers new solutions to the interfaces, interaction and navigation, new styles and types of Internet sites. New VR cyber world brings totally new and amazing experience.



VR Features in Globatrix

Globatrix integrates VR interfaces and features that are all available for free with the platform.

VR Browsing

VR Web Model is still a young concept, but with Globatrix we have integrated the ideas of not just decentralized model, but also VR Cyber World and Web Model, allowing users to interact with data inside the 3-dimensional space.

It includes concepts like interactive user navigation, where the user can just use bare hands and latest tracking tools, or other existing pointing devices to navigate, zoom, click, interact, move, change objects and do any other things to have the control over the cyberspace.

VR Web Browser

With native Globatrix Browser called GBro you can enter the VR mode that is compatible with both, the VR headsets and VR mobile headsets and have user -friendly navigation for both.





Globatrix GBro Browser & CMS

GBro Browser

With Globatrix platform there is also its own browser provided called GBro that works on its own VPN-like protocols to interact with Traffic Managers, Webmasters and customized data structure based on block-chain technology called Pillars.

Based on the concepts of information freedom, GBro will never let anyone block the data from you. Information flows freely across the globe.

It has 3 types of interfaces: classical 2D (or Screen Interface), 3D (for on-screen 3D experience as well) and VR Interfaces with new integrated visual concepts and approaches to data displaying and managing.

There are no cookies, all your settings happen through ciphered preferences that Traffic Managers understand, so you don't need to worry about browsers security holes and annoying advertisement banners that display the information you were searching for a month or two earlier.

Globatrix CMS (GLOBE CMS)

Globatrix CMS is the new tool that allows you build websites for 2D, 3D and VR models with full comfort, intuitive interface, and no programming skills required.

As the Globatrix platform introduces and provides new concepts and ideas to web structure, interfaces and concepts to design and navigation will also be improved and taken to another level.

GBro, GLOBE CMS and GLOBE Messanger are absolutely FREE



Trade in Poor Regions

Project Globatrix introduces the new tool for goods exchanges in the poor regions.

There will be platforms APIs where the platform requests the EXTOK (exchange token) from the platforms and sets an exchange for two or more participants that are exchanging physical goods (can be farming products, food, cloth etc.) The platforms pays a small fee in crypto coin for the miners for the token to be issued and on successful exchange is rewarded with crypto coin from the platform.

This approach is made to allow “barter” or exchange of physical goods and food, especially in poor regions with no fiat currencies involved.

Intelligent Algorithms will calculate the price of different goods in different regions across the globe and will unify the price for each of the exchanged goods to one standard inside the cyberspace.

What About the Miners?

In many cases, it's been said that the role of the Miners will be minimized in the future and probably totally removed from the crypto economy at some stage.

But not with Globatrix.

We believe that Miners play the crucial role in the future of the crypto economy and their role should never be underestimated.

Globatrix will create the green and collaborative approach to the mining and resources allocation with less competition, wherein the future the mining power sources should be majorly switched to the renewable energy sectors where possible geographically and technically.

Currently, there are two locations available for such implementation: the solar farm in Cyprus and renewable energy power station in Greece. These locations are to be expanded more and also taken to other locations around Europe.



Under the Hood

Globatrix architecture, logical model, Intelligent Algorithms and other systems processes





Everybody Has an Avatar

- Avatar is the name for the nodes interface that you connect to the cyberworld with.
- Avatar has its own hashed address on the network understood by Traffic Managers, keeping your privacy secured.
- Avatars are highly configurable, they allow you to set and manage your connections on the network, fully set your preferences for 2D, 3D and VR interfaces, configuring the search results you with Traffic Managers to provide the types of products or adverts you are searching for or none if you don't wish to see any advertisements, and much more.
- Each Avatar has Allocators: the records that hold the logical allocation of the Avatars data on the network. Basically, the data can be any device, drive, cloud or any other type of remote storage that is accessible only to the Avatar that owns it. All of the private and sensitive data is ciphered, so it cannot be read and understood by anyone who doesn't own it and security keys to that data as Globatrix seriously focuses on privacy and security of users of the platform.
- Avatars Memory is the physical data storage that Allocators point to.
- Each Avatar additionally has 5 records that determine its parameters on the network:
Reputation Record, Balance Record, Transactions Record, Version Record and Map Record.



Avatars Records

Reputation Record

Reputation record represents the reputation of the Avatar on the network if the Avatar acts as a seller, service provider, webmaster, traffic manager or in any other way that requires social activity. Nodes with good and higher reputation are likely to be trusted more by the customers/visitors for their honesty and transparency.

Sellers, service providers, webmasters and traffic managers get rewarded with crypto coins from the platform for every positive reputation point given by the customers/visitors, meaning that they are to be trusted as sellers and webmasters, acting honestly and transparently towards their customers/visitors.

Balance Record

The Balance Record is what it says; it holds the Avatars balances in all the platforms coins.

There are two coins on the platform Power coin and Globe coin that are mined on Pillars. The Power is the coin for resources and production sectors. The Globe coin is the coin for data, traffic and social sectors. Also, there is EXTOK token (has nothing to do with ICO token) that is issued specially for the goods trades that do not include any currencies (majorly predefined for the poor regions). There is also a Vault coin and its number is equivalent to the number of tokens sold during the ITO, no Vault coins will be mined again. Their number is equal to the number of tokens sold during the ITO and they are the platforms gold reserve.

Transactions Record

Transactions Record holds information about all Avatars transactions made from any of its wallets addresses (on each new transaction the Avatar generates a new address for another transaction as an extra security measure).



Every transaction is based on the Agreement that is used for transaction and payment schedules (for example labour pay sheet etc.). The finances are fused into the record based on the agreement and the payment is done according to the agreement, instantly or on specific dates. If the agreement wasn't met and both parties agree, then the funds are released back to the sender.

The sale/exchange of goods is also stored in the Transaction Record under the agreement for EXTOK release.

Version Record

The version record specifies the version record of the Avatar and its Allocators. When changes are made to the Avatars data, then the version record updates and the state of the Avatars record is updated on the network. The user can use the same Avatar with the new version record, but also can backup older Avatars versions.

The Avatars versions represent free and easy backup solution that is integrated into the platform.

Map Record

Map record stores Avatars relations with other Avatars on the network. If a website or some other type of shared data is linked to another Avatar.

It allows Traffic Managers to quickly and easily find any related data or if it corresponds to social activity, and act as decentralized search engines, and also apply complex search pattern like rule of “5 Handshakes” in progressive scale fast and effectively.



Mining On the Pillars

Pillars are Globatrixes customized data storage built with concept of blockchain technology in mind, but built on concept of linear algebra Tensors that allow to store data as 4-dimensional matrix and uses 2 other array record (or vector records) with 5 records each, to encrypt and sign data. It allows to have the sequence or arrays like in a traditional blockchain, but with 5 blocks that hold only the encryption patterns and Tensor references, and used to store all of the processed records on the network with mining inside the Tensors, each having capacity of 10,000 network addresses and having direct reference to the record without the need to recompute the whole sequence, but extremely hard to alter..

The encryption patterns are based on Elliptic Curve algorithms and SHA-256 algorithms, Stream Ciphering algorithms can be applied to the sensitive data that is stored inside the Tensors, but can only be deciphered with users AES private key.

The Pillars algorithms select 5 groups of random miners from the network to mine the sequence, where one round is 3 minutes long, it selects miners to have enough power to carry out the calculations without overpowering the network, but not more than 20% of the miners for that round, each assigned an API key for mining and each miner is assigned personal API key, both keys are used together for mining permission, each of the miners verifies other miners operations to prevent double spending problem and then each group verifies another group to do the same, if the miner is trying to alter the blockchain intentionally with fake data, then the miner, the API key for that miner is blacklisted from the sequence, which allows the mining to continue without the interruption of the whole process, making the process more efficient and possibly having light curve on difficulty adjustment while the new miner is selected and assigned. This approach is “greener” and solves 51% attack problem in its known form as well as it doesn’t throw the whole network off.

The same miner never mines two sequences of blocks in a row.

If the connected Miner is mining with the mining pool, the pool has Hives that the miner joins and then the hive is assigned with the API key.



This approach is used to increase networks security and lower competition between the miners and pools, allowing all miners and pools to participate in the process and earn coins exchanging each other one by one (but not sequentially), and also to ensure larger amount of pools to keep platform more decentralized and to lower the possibility of monopoly from the pools side.

After the sequence is completed, the platform randomly selects new miners.

After the block sequence is mined, there are two coins that are produced:
Power Coin for the Resources, Production and Trade Sectors,
Globe Coin for Data and Social Sectors.

There are 300 Power Coins and 9000 Globe Coins produced for each full block mined at the ratio of 1:30 (Power:Globe).

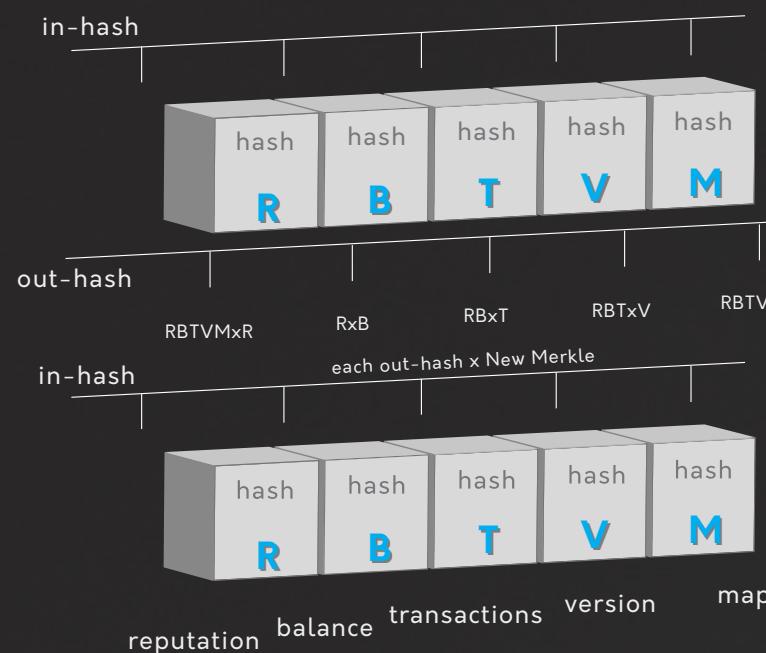
The Pillars are based on proof of work and miners confirmations, but if the miner that confirmed the block will be discovered as altering the blockchain, that confirmation will be withdrawn.

After the block is mined, the reward is divided as follows: 50% of the Power coins go to the Miners who mined the blocks, meaning that 150 coins will be distributed between the 5 groups of miners, rewarding each group with 30 Power coins.

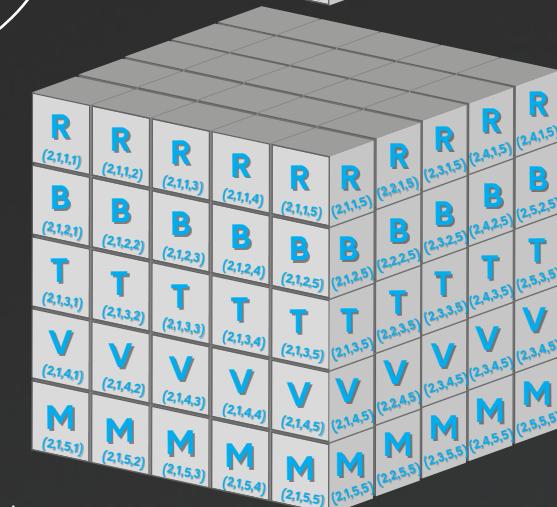
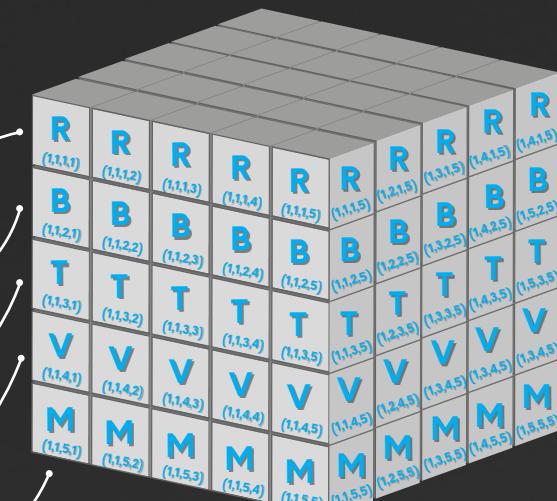
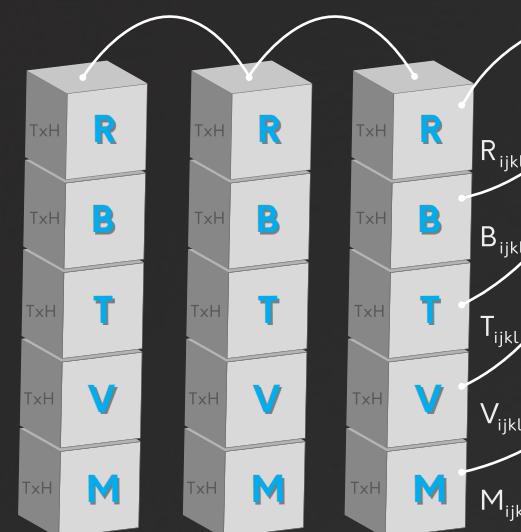
150 coins will go to the Sellers and Exchangers for each successful sale and exchanges made on the network, where the ratio of the reward depends on the total network sale amount during the given time block. The reward for the sellers and exchangers is calculated, but is only given when the reputation point is provided by the customer and then the coins are allocated based to the record of the time block, which means that some blocks will mine less and some blocks will mine more Power coins, but the total average per block will always be 300 Power coins before the halving, where the reserver coins will be dismissed from the agreement and will be distributed between other sellers and service providers of that time block.

The system is organic and is designed to keep the balance between all the transactions and rewards.

The Globe coin is given as the award to Traffic Managers and Webmasters at the ratio of 30%:70%.



Represented as: Avatars address and tensors location reference vector (array) chain of blocks



Address Vector with type of record, Avatar hashed address and tensor reference signed by miners.

The Verification Vector (or array) is based on the “in” and “out” hashes of the previous vector, each “out” is multiplied by the new merkle root and used as the “input” for each record for the the new sequence. The hash numbers are used to sign the blocks and hold no other data, allowing to keep them very small in size

Data is stored inside the tensors block segments which are signed by miners through calculation of the product of the Verification Vector and Address Vector. The Address Vector references the Avatars record and logical location inside the tensor block segment.

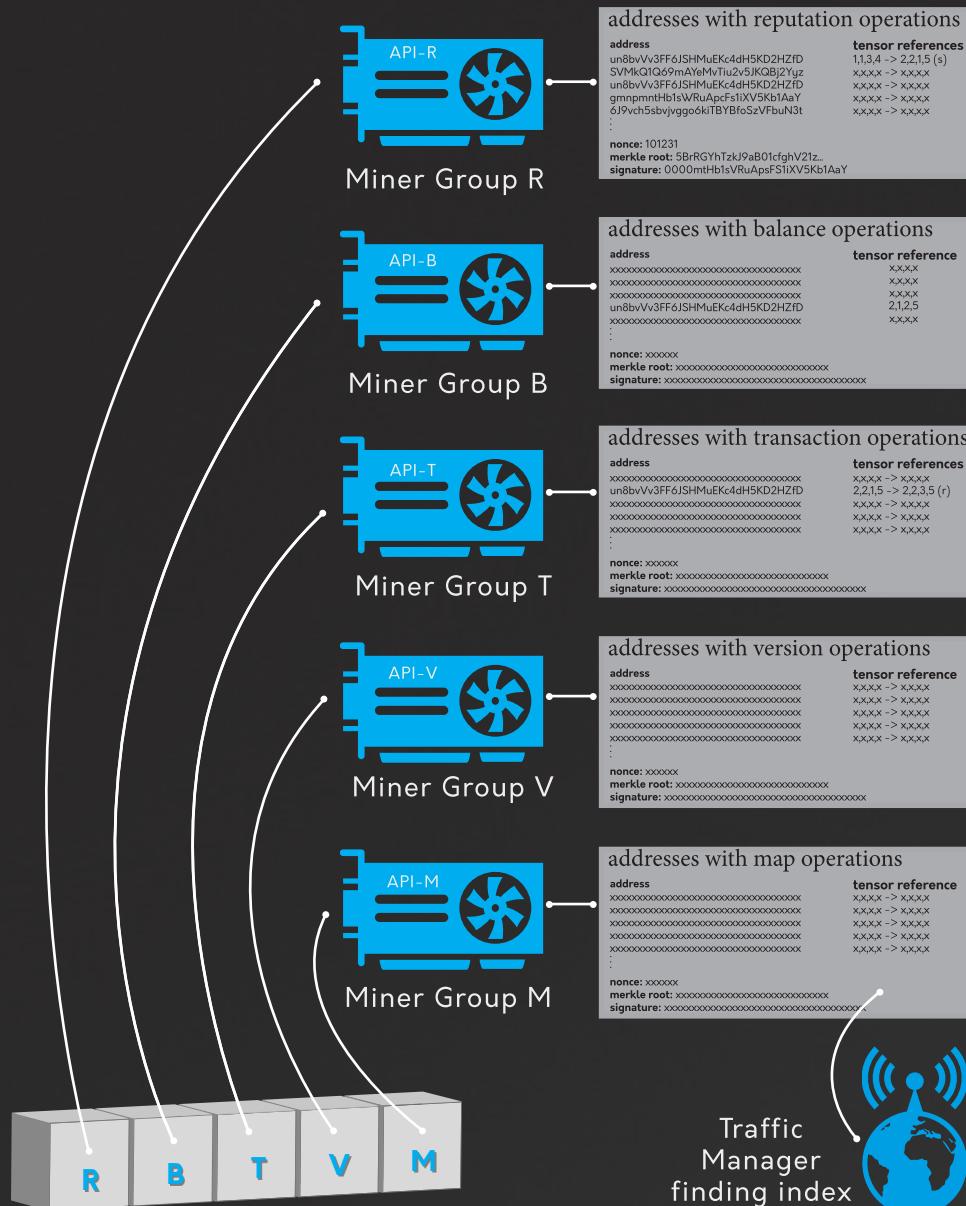
There are 5 groups of miners, each processing one of the tensor layers (R to M records) independently. After each round their out-hashes are rehashed to be used as the input for Verification Vector hash-in for the next round.

The pillars don't need to add new tensor on each new round, the data is added to the tensor based on address reference.

1 Tensor has 100x100 addresses per layer
10,000 address block containers per Tensor



How it works (example):



As you can see in the example on the left, the reference comes from the Transactions layer of Tensor 2 (2,2 reference) and points to Reputation layer of Tensor 1 (1,1 reference), meaning that it's a sale based reputation reward point.

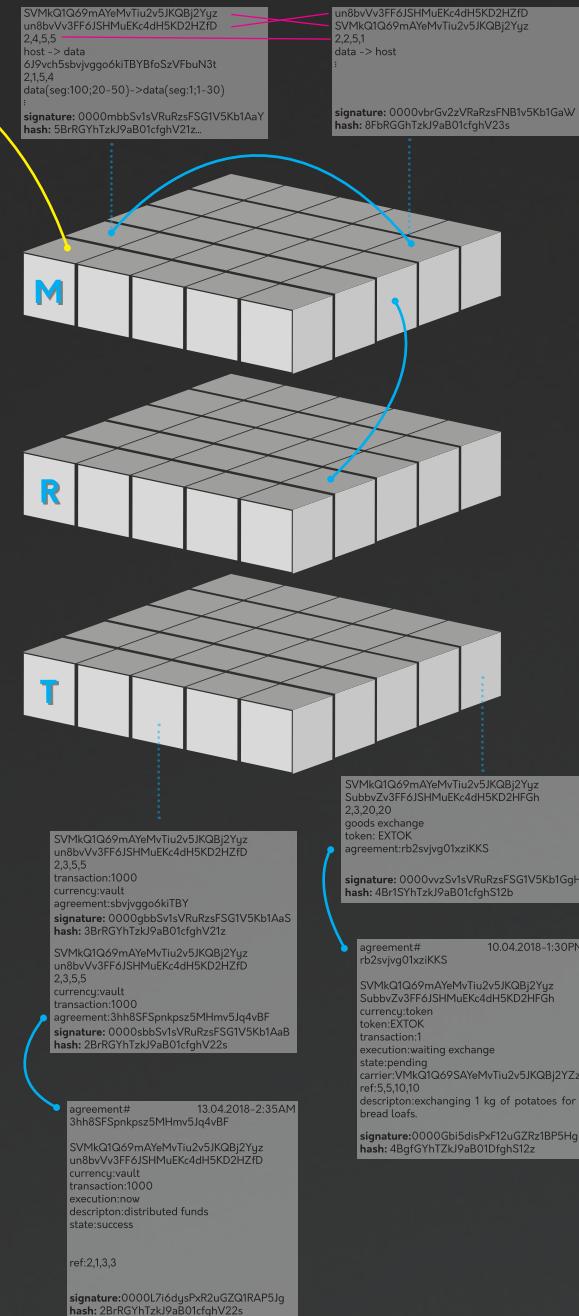
And the next transaction from the same address has reference to the Transaction Layer, as the seller, or whatever service provider was rewarded, the reputation point is rewarded by the platform with the crypto coins.

The Tensors are based on the addresses and data is added to the existing Tensors. Each Tensor has 10,000 addresses limit, and when Traffic Manager processes the data, first it looks backwards through the Address Vector to find the latest reference to that address and its pointing Tensor reference address on the Map Record Layer, which also greatly optimizes search time.

Every transaction is based on the agreement.

As can be seen from the example on the right, all the connections have two way links (relationships on the network), including the websites links etc.

After each round, via the matrix product calculation all new hashes are multiplied and encrypted, creating new Merkle Root for the next round.





Reward Calculation

Miners reward can be represented as:

$$R_m = \frac{1}{2} B_p \times \frac{n}{N}$$

Where B is the block reward and $[p]$ stands for the Power coin,
 n is the Miners hashrate and N is the total
Miners hashrate for the Block and 50% of
the blocks Power coins reward are reserved
for the Miners.

Webmasters reward can be represented as:

$$R_w = \frac{7}{10} B_g \times \frac{h^t}{H^t}$$

Where B is the block reward and $[g]$ stands for the
Globe coin, h is the Webmasters hashes processed
and H is the total number of hashes processed on
the network for the Block and 70% is blocks Globe
coins reward reserved for the Webmasters.

Sellers reward can be represented as:

$$R_s = \frac{1}{2} B_p \times \frac{s^t}{S^t}$$

Where $[t]$ stands for the time of a block,
 $[s]$ is the Sellers sale amount and $[S]$ is the
total Sold on the network at the time of the
block with 50% of the blocks Power coins
reward reserved for all the Sellers.

Traffic Managers reward can be represented as:

$$R_{TM} = \frac{3}{10} B_g \times \frac{h^t}{H^t}$$

Where 30% are the reserved Globe coins for the
Traffic Managers based on the time block.
Block reward delegation normally doesn't take
more than 1-2 blocks, based on the network load

And the total distribution of the Power coins
per block can be described as:

$$R_{Pw} = (R_{m0} + R_{m1} + \dots + R_{mn}) + (R_{s0} + R_{s1} + \dots + R_{sn})$$

And the total distribution of the Globe coins
per block can be described as:

$$R_{Gl} = (R_{w0} + R_{w1} + \dots + R_{wn}) + (R_{tm0} + R_{tm1} + \dots + R_{tmn})$$

All of the calculations and Pillars diagrams are represented in a simplified form for easier understanding.
Detailed algorithms and protocols explanation will be described in the platforms Yellowpaper for the Developers



Mining Pools in Globatrix

To balance the network and add extra security measures without overpowering it, the mining Pools will be self-dividing into Hives of approximately equal power.

The hive of the pool will be assigned to the mining process instead of the whole Pool. This will allow smaller iterations of Miners.

Mining is similar to the Proportional mining method but is based on the joint Hives and mining from different Pools, where the reward is calculated based on 50% of the Miners' group reward + the reward of Sellers and Exchangers based on the sale data of the block time and reputation rewarded from the current block.

A simple example of hives logical organization in 2 different mining pools.

Mining Pool 1	Total hashare: 2.34Gh/s No. of Miners: 50 Active Miners: 42 Avg. reward/Miner/block: 0.13 Blocks mined: 1028 Blocks ago: 3	Total hashare: 3.1Gh/s No. of Miners: 55 Active Miners: 40 Avg. reward/Miner/block: 0.16 Blocks mined: 1010 Blocks ago: 6	Total hashare: 3.12Gh/s No. of Miners: 48 Active Miners: 48 Avg. reward/Miner/block: 0.17 Blocks mined: 660 Blocks ago: 18	Total hashare: 2.95Gh/s No. of Miners: 53 Active Miners: 49 Avg. reward/Miner/block: 0.15 Blocks mined: 808 Blocks ago: 11	Total hashare: 3Gh/s No. of Miners: 50 Active Miners: 50 Avg. reward/Miner/block: 0.14 Blocks mined: 1053 Blocks ago: 8
	HIVE @A	HIVE @B	HIVE @C	HIVE @D	HIVE @E
	Total hashare: 2Gh/s No. of Miners: 50 Active Miners: 30 Avg. reward/Miner/block: 0.09 Blocks mined: 1028 Blocks ago: 13	Total hashare: 3.0Gh/s No. of Miners: 50 Active Miners: 40 Avg. reward/Miner/block: 0.154 Blocks mined: 1010 Blocks ago: 14	Total hashare: 3.15Gh/s No. of Miners: 20 Active Miners: 20 Avg. reward/Miner/block: 0.371 Blocks mined: 660 Blocks ago: 3	Total hashare: 3Gh/s No. of Miners: 51 Active Miners: 49 Avg. reward/Miner/block: 0.161 Blocks mined: 808 Blocks ago: 18	Total hashare: 2.98Gh/s No. of Miners: 50 Active Miners: 45 Avg. reward/Miner/block: 0.13 Blocks mined: 1053 Blocks ago: 9
	HIVE @A@	HIVE @B	HIVE @C	HIVE @D	HIVE @E



Intelligent Algorithms

To ensure operational stability and balance of the platform it uses different Intelligent Algorithms dedicated to the collection of the statistical non-sensitive data, power load on the network, traffic management and routing statistics and hashing data processing.

The algorithms work under the Pillars, Webmasters, and Traffic Managers.

Collision Algorithm

Traffic Managers use “green” and “red” flags to show their status.

After Traffic Managers serve the site results, they raise “red” flag, meaning that they have participated in queries and will stop until they send data to the Pillars. The Collision Algorithm gathers the statistical amount of processed iterations and hash on the network as well as webmasters, and deliver results to the Miners, the Traffic Managers and Webmasters hash percentage is calculated for the reward based on the network data processing percentage at the time of the current block time. This also reduces the competition between the Traffic Managers.

Comparison Algorithm

Mechanism to check for double-spending during the block calculation, just like in traditional blockchain. It is a sub-protocol of the Health Algorithm.

Health Algorithm

Ensures Miner’s secure connection to the Pillars via encrypted Globe VPN protocol, randomly selects miners from the network and divides the miners into 5 groups, assigning each miner different API mining key. Has several protocols that ensure double spending prevention, Miner’s random selection and network users rewarding.



Reputation Algorithm

Checks Avatars health and status. If the Avatar is marked as seller/service provider on the network, ensures that Avatar doesn't have too much bad reputation. The only way to get negative reputation is to get negative response back from the client after the sale or having negative responses on the website from the community it was submitted to. The smaller is the positive reputation, the smaller is the chance for the resource to be found through the network.

Exchange Unifier Algorithm

Ensures the barter stability. Collects the data from traded goods exchanges from all areas. Compares their prices and unifies the prices of traded products to match on the network, stabilizing the economical price inside the cyber world. This applies to physical as well as to digital goods/products if they are exchanged with no currencies involved.

Data Aggregator Algorithm

Collects non-sensitive data from sales to calculate the percentage of the reward made by sellers and services providers to calculate the reward.

5 Handshakes Algorithm

Is sub-protocol of Traffic Managers for social activity that can use Map Record to find relations on the network to the depth of 5 ties. If the Users search for physical goods/services/advertisements, this allows not only efficient search, but also provides links from the closest ties on the network who the User might know in the physical world, see the sellers reputation records and closest ties feedback if such, to know which seller/service provider is to be trusted more.

More Intelligent Algorithms will be described in later versions of the Whitepaper as well as their technical functions will be explained in details in the Yellowpaper (or Technical Paper) that will be released at a later stage during the development stage of the platforms.



Cyberworlds Financial Model

There are 3 crypto coins and 1 type of token inside the Globatrix ecosystem.

There are 2 main coins that are used as main currencies: Power coin and Globe coin, where Power is the coins of the resources and production sector used and received by Miners, Sellers, Service providers and Exchange platforms, and Globe coin is used for the Social and Information sector, received by Webmasters and Traffic Managers.

The third type of coin is called Vault coin and will be given to the ITO token holders and can be exchanged to any other coin on the platform with the value of 1 Vault coin = 1 Power coin or 1 Vault coin = 30 Globe coins at the time of the platform launch, or can be exchanged for any of the platforms services that are offered for a price, or by services of other organizations who build on top of Globatrix platform (for example advertisement services, hosting, cloud computing etc.).

There will be a maximum supply of pre-mined Vault coins equivalent to the number of tokens sold during the pre-ITO and ITO stages, maximum of 250,000,000 coins, and no more Vault coins will be mined ever after.

Also there is another entity called EXTOK and it is a token that is used for the goods exchanges that don't involve any crypto or fiat currencies in the exchange process (EXTOK has nothing to do with the ITO token and it is simply a protocol that enables such exchange) The exchange token is requested by an exchange built on top of Globatrix platform and it mainly aims to improve the trading in poor regions of the globe independent on fiat currencies.



#	Block/Sequence Time	Power Coin Reward	Globe Coin Reward	Vault Coin Reward	EXTOK
1	3 minutes	300	9000	---	---

#		Vault Coin	EXTOK Token	Power Coin	Globe Coin
1	Maximum Possible Supply	250,000,000	---	---	---

#		Power Coin	Globe Coin	Vault Coin	EXTOK Token
1	Initial Coin Ratio	1 coin	30 coins	1 coin	based on mining
2	Description	original emission for the full block	original emission for the full block	fixed and is not mined, the number of the emitted coins is based on the value of sold tokens at ITO	from the calculated price of mining based on the value of POWER coin, but is initialized on request by free miners

Based on the original ratio of Power and Globe coins of 1:30, their emission doesn't change, but based on the processing power, production of goods, sales, exchanges (the resources and production sector relation and dependency) are compared based on the resources and data processing, cloud computing, information distribution and traffic (social sector) and their ratio is adjusted to balance the platform by Intelligent Algorithms collection of non-sensitive data from the network operations.



Main Features Overview

Decentralized World

There is no central entity or organization controlling the platform, it is fully decentralized. Everything happens through the communities and collaborative decision making based on open electronic voting. There is no place for dictatorship inside the Globatrix ecosystem.

Freedom of Information

Information flows freely across the globe not based on any borders, political concepts or media agencies manipulation. Information is not something that should be manipulated, dividing great minds instead of uniting them. Everyone can be the news and anyone should be able to see the real picture, not the speculations of it.

Transnational and Transgeographic

There are no countries or continents in Globatrix Cyberworld, everyone is a human being living on the same planet and has the same rights as anyone else inside the virtual world. This is how Globatrix is planned and this is how it will remain.

Green Ecosystem

Globatrix is planned in such a way that doesn't waste any extra power resources for complex computations, optimizes traffic that flows through Avatars and reduces redundant data that takes extra space in Cyberworld.

Financially Self-Sustainable

The platform is based on two crypto coins, both are mined on Pillars. One is bound to power and production sector, the other one is bound to the data sector. The economical platforms' balance between the sectors is based on the ratio of the two coins.



Not Competitive

Probably it is hard to imagine the platform that doesn't require competition, where everything happens through collaboration. But it is possible with the logical implementation of the platform's model.

Protected Filesystem

Every data storage connected to and used by the Avatar in the Cyber World can be cipher protected and can only be deciphered by the owner of that storage, leaving users information private and secure.

Free Solutions to Expensive Problems

There are many tools that are unpractical for the everyday user due to their cost. Globatrix will integrate many tools, including complex backup solutions for everyday use that will be integrated into the platform absolutely free.

Reputation Based

Often when goods are sold and services are offered, the customer realizes that they are not the “dream products” that were advertised. Reputation Record is something that fixes it.

The Platform is Intelligent

The platform uses Intelligent Algorithms to gather and calculate non-sensitive statistical data to balance the system in terms of economy, traffic optimization and allocation, mining performance and poor sectors exchanges analysis.

New Types of Content Licensing

Usually, customers have to buy the whole file/product or complete license in order to use the product even if they need only a small fraction of it. The Globatrix will integrate by-bit licensing concept, where customers only have to pay for what they actually need. The study shows that such approach has 80% more sales and is 35% more effective for the seller in terms of income.



Cross-Platform

The Globatrix platform will be built for multiple platforms: PC - Windows, Mac - OS, Linux, Android, iPhone .



Honesty Rewarding

Sellers that are honest with their customers are valued with positive sales reputation and are rewarded for that sale with the crypto-coin by the platform.

Important to Know

Globatrix is not just a platform, it is whole cyberspace with own ecosystem that applies new features in terms of technology and economy to benefit the society and its prosperity, intelligently keeping the whole system balanced.

Our Community and Community's opinions are important to us, this is a collaborative project, so please don't hesitate to contact us for any questions and if based on your experience you have ideas that will improve the platform and make it more balanced and better, please don't hesitate to share Your opinion.

Our aim is to make the platform as stable and as beneficial for the users as possible and there are lots of many large and small things that have to be taken in consideration in development process and much more than it might be seen at the first glance. So please don't hesitate to become the part of the Community, if You believe that the idea of decentralized and collaborative Internet has the right to exist.

Please see the Community section on our website for more info and links: <https://www.globatrix.com>



Meet The Team



Dimitri Kostin
CEO, Platform Architect

Dimitri is Information Systems developer and analyst, software, web and database developer, blockchain enthusiast, CEO, and founder of Gruad Technologies as well as Project Globatrix platform architect.

Development of useful tools and concepts that benefit and aid the society has always been his passion and mission in life.

Practices: Information Systems, System Analysis, Database Management & Development, Full-Stack Development, SEO, Scripting, Blockchain, Server Side, C++



Michael Lungo
Interface Master

Michaels passion is to create. Seeking business & creative opportunities with passionate people, building a future together one day at a time.

Practices: mobile apps and interfaces, web interfaces, SEO, server side, API development, Agile methodologies, Scripting, Analytics, Big Data, Server Configuration, REST Web Services, Performance & Memory, App Security, Scaling



Satyam Agrawal
Blockchain Master

Development of prominent solutions over blockchain with a passion for coding.

Practices: ICO, Ethereum, Altcoin, Bitcore 2.0, Bitcoin, Insight API, MEAN, MERN, Truffle, Solidity, Go-lang, Github, REST, AWS, Docker, Hyperledger fabric, Solgraph, Web3.js, Geth, Peershares, Linux, shell scripting, IPFS, PostgreSQL, NoSQL, Smart Contracts.



Marco Romero
VR Guru

Romero is 3Ds MAX® Certified Professional designer and authorized Developer of Autodesk, is instructor of 3Ds MAX architecture at the “Instituto de computación gráfica Arts” since 2009, and belongs to the developer program VRWorks™ and DesignWorks™ of NVIDIA.

Focused on 3D design applied to new technologies of Virtual Reality with the use of high-end hardware (Oculus Rift | HTC Vive); for the Oil and Gas industry, Medicine & Healthcare, Architecture, Engineering and Real Estate Industry.



Meet The Team



Varun Pratap Singh
**Cryptography/Signal
Master**

Varun is software developer and developer of highly secure encryption methods, developer of encrypted radio.

Designed and developed major software solutions for VoIP, Telecom and cryptography using protocols like SIP, RTP and AES-256, OpenSSL.

Development of encrypted radio (Harris, Motorola), recording solutions and VoIP software solutions, video streaming solutions.

Developed Harris KMF (Key Management Function) Client to retrieve encryption keys from Harris KMF Server compliant with protocols and secure methods specified TIA-102 standards.

Developed an LFSR (Linear Feedback Shift Register) based message Indicator Clock for packets synchronization over UDP.

Managing the software team spread over complete SDLC using Agile methodology.

Senior Software Architect to design the best software designs and development methodology.

Technologies: – C, C++, VoIP, Radio, TCP/IP, Cryptography- AES-256 ECB, CBC, CFB and OFB modes, GIT and SVN.

Six Sigma Yellow Belt Award, Member of HCL O2 League, Member Of HCL Gold Club



Dejan Vujicic
**Math, Electrical/
Computer Engineer**

Electrical Engineer / Computer Scientist.

Doctor of philosophy in electrical and computer engineering.

Master of Science in astronomy and astrophysics in a faculty of mathematics.

Auditory and laboratory exercises in Programming, Computer Architecture, and Organization of Computer Systems.

Scientific research as a part of Ministry of education's projects.



Ana Helena Bittencourt
**Deadlines,
Public Relations**

Software Maintenance: contract renewal negotiation and partner development support. Face to face Customer relationship. Project management – Implementation systems and Outsourcing deployment. Systems Integration – SAP, Siebel, Web (.Net). Global Projects Management and control of P & L Large relationship with Global customers (Unilever, PepsiCo, Bayer, MSD, MSC, Maersk, Citibank, Santander, Itau). Governance implementation projects.



Meet The Team



Gruad Technologies

Ideas and technology can make the world a better place when combined and used in the right hands. Today we are reviving the idea of the decentralized Internet with no central control point or authority, where privacy and information are the key factors to our personal space and knowledge, a place where honesty still exists between customers and sellers, and a place where financial independence is not a principle of competition.



Secure Blocks

SecureBlocks is emerging Indian blockchain organization which always endeavors to provide eminent blockchain solutions. For the services, our team strives for client satisfaction, outstanding work and time bounded result. Along with services, at SecureBlocks, we craft some insightful products to ease the life of end user. Altogether, we offer secure and comprehensive blockchain solutions along with the products which would help end users to adapt the blockchain easily.



Marco Romero 3D Studio

Marco Romero 3D Design is a studio specialized in professional 3D visualizations and Virtual Reality Simulations developments. Autodesk 3Ds MAX® Authorized Developer of VR Original Content under official affiliation of VRWorks™ and GameWorks VR™ Registered Developer Program by NVIDIA, and also in partnership with “Samsung Developer program”.

Known for the quality of our work, professional project management, and competitive pricing; where highlights projects for the Oil and Gas industry, Medical & Healthcare, as well as several projects of Architecture, Engineering and Real Estate Industry.



Meet The Team



Magora Systems

Magora got its start in the software game in 2010. They company went a long way from a small dev shop to a company with a strong international presence and a stronger yet portfolio. Magoras' focus is on the business – the products we build are solutions that close clients' problems and optimize the running of their day-to-day.



TKVR LLC / Cur1yJ

Every year since its birth, Cur1yJ's has donated to various humanitarian causes and philanthropic fields, including helping to fight women trafficking, fund college educations, aid the Salvation Army, battle poverty in 3rd world countries, and assist creative communities.

Essentially, created, designed, programmed, managed, and directed an entire full service live streaming multimedia ruby on rails application for art and music; including equipment, computers, cameras, audio and video recording, production, content, painting, mixing, editing, marketing, and promotion.

Specializes in agile full stack development; leveraging various programming languages and methodologies, custom UI/UX design, high performance and scalability, data management and much much more.



Roadmap

2Q 2018

Pre-ITO (Initial Token Offering)

Campaigns will run in preparation for the main ITO and full-scale development of the platform.

2Q-3Q 2018

ITO STAGEs & funds raising, full-scale development process, testing, marketing.

Contributors will get access to early beta versions for first experience and feedback.
Decentralized cross-platform browsers and communication tools development.
VR interfaces development.

3Q-4Q 2018

Testing and beta-release

Contributors will have access to the beta versions of developed platform and tools.

4Q 2018

Almost there

The release of the mining tools and mining pools interfaces, online and software wallets and exchange tools, safe vaults and very first versions available to contributors.

1Q 2019

Platform release

The platform will be available for free for the public download from the website and GitHub repositories.

2Q-3Q 2019

Additional tools and Business tools development

Additional tools to be released, plus the tools that are used in business, collaboration, distant virtual meetings, complex data analysis, scientific research.



Roadmap



3Q-4Q 2019

Business tools release

Most of the developed tools will be free, with no central point of control, but some tools will require payment fees to the miners or additional payments like cloud computing or storage.



1Q 2020

Preparing for Globatrix Operating System development

The beginning of the development of Globatrix Operating System (with its own ITO)



2020 - 2022

Taking it further

Construction of mining farms based on renewable energy sources for mining and complex scientific research calculations.

Currently available locations and partners are in



Cyprus (2 solar power plants) and Greece (renewable energy power plant), more to come.



As Globatrix platform will be built on top of other platforms (Win, OS, Linux) the next stage is to develop the standalone and free operating system

Research of VR equipment technology and development, aim to develop own VR equipment.

Development and release of Globatrix Operating System

The Future

So far the future seem bright.. and of course, there is still a lot to come



ITO Token Sale

Dear friends, the token pre-ITO sale starts today, you can find the crowdsale address and how to get the tokens from our site, or you can contact us directly via e-mail at tokens@gruad.com at our headquarters.

Unfortunately, due to certain regulations, the token sale is **not** allowed for the following countries: Australia, Panama, and the USA. We wish to make most of the platform's functions available for free.

There will be the total of 250,000,000 (two hundred million) tokens to be sold, no more tokens will be produced, the unsold tokens will be destroyed.

25,000,000 (twenty five million) tokens will be held by the platforms development team.

Total possible number of tokens to be sold during the Pre-ITO and ITO stages are 225,000,000 (two hundred and twenty five million).

Minimum cup at current Ethereum price (~\$380): 18,000 Ethereum.

Possible Hard Cup: 133,333 ETH.

The ITO sale will take 90 days or until all tokens are sold.

If the minimum cup is not raised during the ITO, please see the Use of Funds section for more details.

Token Distribution

Globatrix Token (GLOBE)	Token Supply	Token Price (1 ETH)	Minimum Tokens
Team Tokens	25,000,000	---	---
Pre-ITO Sales	25,000,000	15,000	1
ITO Sales, 3 months	200,000,000	1,500	1



Token Details

Token Name	Globatrix Token
Token Symbol	GLOB
Token Address	0xbBCf10D6bc180172d8d352BE5bBCfB814E8f3474
Crowdsale Contract Address	0xF86Ad18397738C076fC644bdebdF7a77e9Ab2fBC
Type of Token	Security
Token Standard	ERC20 Compliant, 18 Decimal Places
Accepted Currency	Ethereum (ETH)
Total Supply	250,000,000
Community Tokens	25,000,000 reserved
Tokens For Sale	250,000,000
Minimum Token Sale Cap	50,000,000 tokens
Will More tokens be issued?	No, any unsold Tokens will be destroyed after the ITO
Token Network	Oracles POA Network
Token Visibility	Etherscan.io
Tokens Purpose	Tokens will be exchanged to the platforms Vault coins on platforms launch, or traded on exchanges



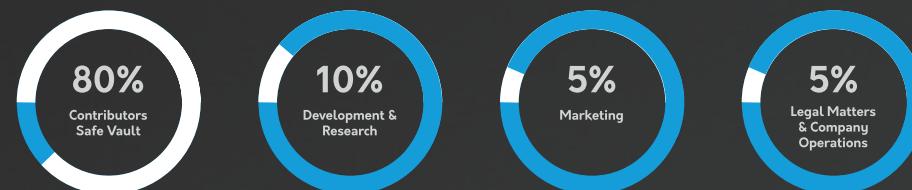
Pre-ITO Token Crowdsale

The Pre-ITO Globe token crowdsale will be done through the secure Oracles & POA Network.

At the main ITO, the crowdsale contract will be added to the main ITO sale contract.

The contributors will receive weekly updates regarding the ITO state and tokens distribution statistics.

Use of Funds During the main ITO





Free Tools

Paid Tools (platforms crypto coins)

Main Tools To Be Developed

The list of tools that will be developed during the main development stage of the platform

Pillars	Traffic Managers Interfaces	Intelligent Algorithms	Goods Exchange APIs
Avatar Interfaces	Webmaster Interfaces	Globe Messenger	Avatar Versioning (backup)
Mining Interfaces	GBro Browser	Users Wallets	VR Interfaces
Mining Pools APIs	Globe CMS	Safe Vaults	ICO/ITO API & Tools
Cloud Computing	EXTOK Request	Collaboration Tools	Globe Protocol

Tools to be Developed at Later Stage

After the Globatrix Platform launch (planned for 1Q of 2019), there will be other tools and features.

VR Meetings	VR Developers API	Business Tools	Business Cloud Backup
Business Collaboration	Business Cloud Computing	Globatrix Operating System	



JOIN THE EVOLUTION

We are happy to announce that our pre-ITO token sale starts today.

Please visit our site/tokens section for more information.

25,000,000 tokens to be sold out at 10% price of the main ITO price.

CROWDSALE ADDRESS

<https://wizard.oracles.org/crowdsale?addr=0xF86Ad18397738C076fC644bdebdF7a77e9Ab2fBC&networkID=1>

Any inquiries:

info@gruad.com

Any inquiries regarding tokens:

tokens@gruad.com

For news subscriptions:

subscriptions@gruad.com

Any information on sales:

sales@gruad.com

public group on telegram:

<https://t.me/globatrix>