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*STORAGE SOLUTIONS AVAILABLE FOR EVERYONE*



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## **EVOLUTION OF INFORMATION AND ITS FORMS OF STORAGE**

Information is power, and since ancient times it has handled in different ways. The origin goes back to the prehistoric times, when the first inhabitants of the Earth, they limited to the emission of sounds, which were taking meaning and specific meaning with the adoption of life in a group and collaborative work, when the human being acquired the role of being social. With the passing of years, the fusion between communication and cooperation were decisive in the development of humanity, because with the development of complex language, a better transmission of information and a substantial acceleration in knowledge was possible.



The articulation of sounds which were emitted, accompanied by body movements and gestures, it could originate the emergence of the word Y, and this fact at the same time produced the appearance of the language. So that, it established an only way of communication which remained for thousands of

years, later, thanks to the first social division at work, it started to generate a greater volume of knowledge about nature and human activity, expanding and perfecting the information about the world.

At the same time, from the division of work, it derived the class division in society, it emerged the private property and the preservation of power of one over other, due to the access of more information about commercial activity and the life of society. As a consequence, and with the interest of these individuals to guarantee their privileges, it established a new way to communicate: written; due to limitations of the oral communication and to preserve the information in time and to be transmitted at great distances.



After passing several centuries, it gradually produced in the writing, a way to translate the most symbolic ideas which would lead to the alphabetic sign, this was an outstanding step in its perfecting and achievement of a more effective communication. With the writing, it could emerge the possibility of transporting information in places and different kind of pieces, developing in this way the

capacity of register and preserve data for posterity transcending time and space.



The communication was enriched with the appearance of commerce and the necessary interaction among men from distant places, and the interchange, not only of merchandise, but also information about places visited that generated interest, and exalt the culture of the people involved. Generally, the management of this information was monopolized for the entities and the ruling classes, which produced a delay in the diffusion and availability of the same, situation that changed when the print was created, which contributed in a great way in the preservation of accumulated knowledge for humanity, supported in the writing of the first manuscript books.



Later, the book reached a commercial level, with the creation of the first universities, increasing the number of bookstores and focusing the cultural life in cities as senders and receptors fundamentals. The demand of information grew up remarkably in all social hierarchies, stimulating the redaction of news as a business, supporting the diffusion of the same with the print, with which it was ostensibly expanded the scope of information that without reaching the actual massive scale, it constituted a beginning in the evolution towards a communication more participative.



With the arrival of the industrial revolution, it was developed radical changes in the production mode, originating a new division of work, with which emerged the need to capture the vital information of the processes, in written documents to transmit the technical knowledge, since the reproduction of the documents, in addition to books, newspaper publications that became in the properly instruments for transferring information. The unknown elements, until the moment that were involved in the industry, they revealed how important the

management of information in productive processes is. After that, when new technological advancements were appeared, big companies were established, upgrading the different classical production models, with the incorporation of a scale economy, impelling and consolidating a mass society, which it kept the printed word as fundamental means to preserve and transmit information.



During the middle of the XX century, a new theory about computing science appeared, this theory was driven and developed during the Second World War, by the different military investigations; after that, it focused to the civil production, and the big companies found an easy way with the first computers to manage a company. Some years later, computing science evolved towards electronic, generating radical changes in knowledge organization, fostering democratization of information.

These changes produced the named “Age of Information”, it was born from a society which main sector it was constituted by the consuming products

industry, in which, information is synonymous of power and wealth. Evolution of computers soon followed the movement by connectivity. Computer networks immersed with great impetus in computer science, due to the need of communication between machines and central computers with the eternal world. These networks will form the key structure of the century XXI. The networks allow information to be transmitted from one place to another without making physical movements of people or objects. With the electronic transmission, the information can be exchanged by devices with any human mediation. The memory of the world is not only in the large libraries, because by means of databases that are loaded into computers interconnected, people can access to a large volume of information.



Computers have enable the growing adaptation to customer needs, collecting, identifying and organizing large volumes of information, which allows the demand to be identified with more precisely, being necessary to develop and adapt.



To make these adjustments is required a specialization to handle the information, because for each of these exist a well specific market. The amount of necessary information to the system to be effective and produce profitability, it grows to great scale every day, so that, the use of computers have become an important factor to maintain the flow of data that keep the fast growing of an advanced economy. In this sense it can affirm that information is not only a way to reach to knowledge, if more, it reaches directly to power, for this reason the different private companies use it with purpose of getting profits; in that way the information has been turning into a merchandise of great value and being difficult for some to protect it from vulnerabilities.

When Internet showed up, the immediate access to data increased exponentially, and the information was available in different variety for the population. At same as companies, it is required storage space supports to keep it safe, with the difference that the size is smaller and with an easy access, the information supports always have focused on getting a better storage capacity and durability.

The electronic supports have perfected as information technologies does. The first supports were perforated cards starting in 1960, these cards consisted in some cardboards with holes in different positions according to the binary code



that they had. Another way used were magnetic tapes, composed of a bronze, phosphor, nickel and silver alloy named Vicalloy.

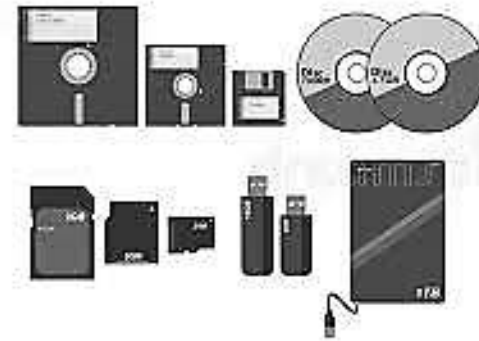
Subsequently, the floppy disk was popularized in the decade of the 80s, it generated a great impact for society for its low cost and practicality. Users used it massively to store information and transfer data. However, these floppy disks were a vulnerable support for dirt and external magnetic fields, which affected the integrity of the stored data.

With the arrival of the CD, the storage capacity increased considerably, with up 700 MB, under the same concept, but with important updates in terms of capacity, and in the year 1985 appear the DVD.

With the entrance of the XXI century devices such as USB pendrive went out to the market, these devices are connected to the port of the computer, and it uses the flash memory to save digital information. The storage capacities of these devices have been increasing in a good way.

The Portable hardware emerged, able to store a huge quantity of data, and this device, at the same time it can be connected in any computer to access to the storage information, however, they are fragile and they can be affected by bumps or falls. Subsequently the micro SD cards appeared in the market, the size was significantly reduced, making it ideal for the use in electronic devices.

The tendency of these products is that as they are improved with better features, they make their ancestors useless, due to the compatibility with new devices, which are always oriented to be at the Forefront.



However, the quantity of devices and physical devices that have appeared through the history, and those who are still working, the storage method has evolved until appeared one which with for its practicality, accessibility and economy, it has come becoming as the best for most of the users, we are talking about cloud storage. This method is based on computer networks and servers that separate and assign spaces to users, who can access to their files, from anywhere, as long as they have an internet connection. The quick and wide accessibility that these platforms offer, and its main advantage contrasts with the low security that it offers, because they are still a means that is vulnerable.



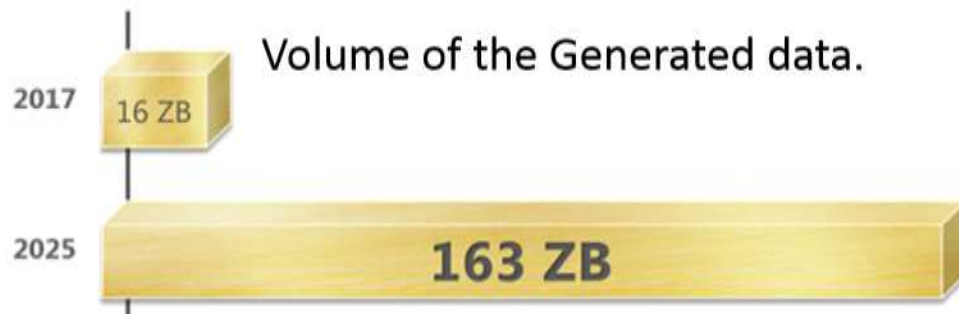
It is expected new advances to improve the security of the cloud data, with capable systems of offering a kind of persistent storage, with a random access, mutable, safe and that it works from anywhere with an acceptable performance to meet the growing and demanding needs of today's globalized society.



## **CURRENT CONTEXT AND FUTURE SCENARIOS IN DATA MANAGEMENT**

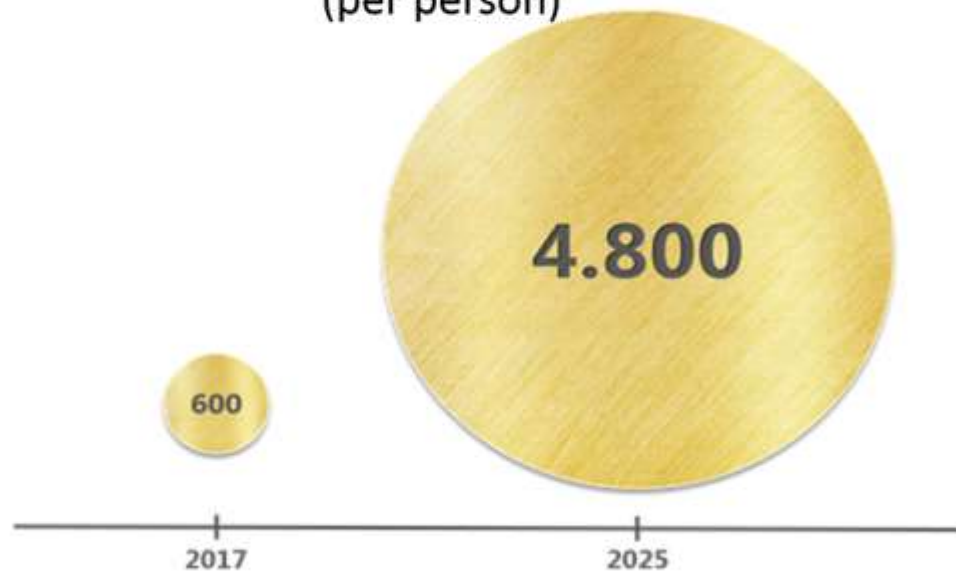
In the different spaces of our life, every time that we get more information, whether in variety or quantity; and as costumers, at the same time, we are the main creators of the data volume that circulates through networks. The connection among electronic devices substantially increases the immediate availability of data, resources, and at the same time as we use them, they are compiled and hosted, leaving a trail in our electronic devices. With that tendency that it is notary every day more, the data storage platforms have a hard work to satisfy the user's needs.

According to the results from a study made by Seagate (American company, leader on management and data storage), the total world data volume is going to increase 10 times more for 2025 to a total of 163 zettabytes (ZB).



The study aims to that the companies will generate 60% of the worldwide information, meanwhile an average normal person that is connected to the network from anywhere will interact with connected devices around 4.800 times per day, it means, one time every 18 seconds, thanks to integrated systems and application of Internet of things.

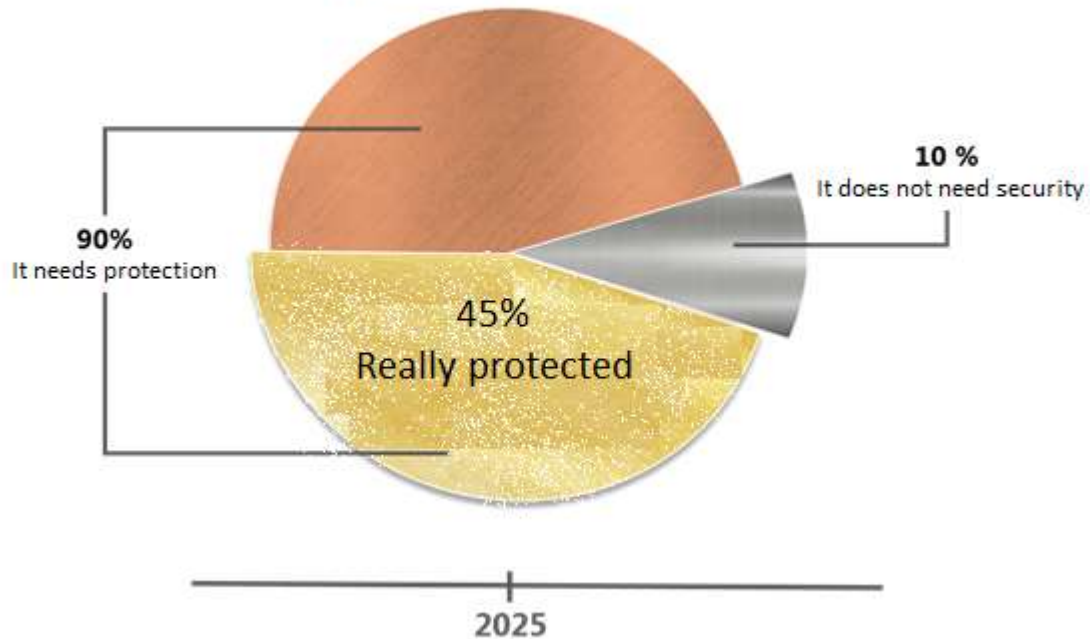
### Average daily interactions with conected devices (per person)



This means companies must approach these new opportunities using the data and the new ideas it generates. At the same time, the cloud is going to be increasing as long as the number of customers and companies share and access to data in different devices, overcoming all the expectations. At this sense, it is recommended to business men and entrepreneurs to focus towards the development of volume data increment during the next years and to study the path of their companies around the information future value.

Automation and technologies will make that most of the created data come from unconventional sources. Although the data creation in the last ten years has characterized mostly for an increment on entertaining content, the next decade will reflect a transition to the generated data, such as pictures, videos, and outside of the entertainment field: security systems and advertisement. Under this sense, with the increment of data volume, information must be saved with extreme care. It is estimated to provide security support, to the data needed, and this to be expanded which it would mean a business opportunity for companies and investors.

## Security on the generated data



From autonomous automobiles to smart personal assistants, data will be the soul of a digital existence in rapid growth, which will give way to opportunities unimaginable for companies. Technological innovation will have a vital importance to evaluate and fully activate the complexities of what is contained in this volume of data, and storage will continue acquiring more and more importance, it will provide the basis from which so much of these emerging technologies will be able to work.

At this sense, the Golden Hash project emerges as an alternative to aim the data storage and optimize its handling, simplifying the Access to information, guaranteeing the privacy with the detection of a cryptographic key or hash,





suppressing the long and tedious registration forms for clients. The storage spaces on the Golden Space platform, are only acquired with the cryptocurrency named Golden Hash, this coin has been developed under the Ethereum protocol, and it is an exclusive service which is available a store on our servers, to store information, with privacy and security guarantees, where the users can access to their files from different devices, because they are backed on-line, and the right are of permanent use.



## **INTRODUCTION TO GOLDEN HASH**

Golden Hash (XGH) is an ERC20 standard token implemented by the Ethereum's network. It has a predefined and limited supply, and it is easily associable with Exchanges as decentralized as traditional.

The total supply of coins is 420 million and, every single coin is divisible up to 18 decimals. There will not be more generated tokens in the future.

Golden Hash (XGH) is a cryptocurrency that gives access to an encrypted storage platform named Golden Space, where to access or to login through a mobile is with a Qr code or if it is not used a mobile device is with a PIN code and a password. Information is protected in a data center and Golden Hash (XGH) bets on the zero knowledge protocol.

The information stored on Golden Space is of use exclusive of the client, due to for its nature blockchain avoids its modification, once the data has been saved.

At the same time, the use of cryptography on data storage is a tool very safe to store information, due it avoids the handling of data and includes the security of the user identity.



The Golden Hash security is based on the use of cryptographic algorithms that consist on a set of rules which main objective is reaching characteristics such as integrity and confidentiality of the platform and mark the strength of it.

Golden Hash uses the Ethash security protocol a mixture of SHA3 protocols more advanced than Bitcoin's (SHA2) that means, it is safer. This protocol resists the ASIC use due to an increment in the memory what it would mean that mining is impossible with that hardware. Ethash requires processing power which is achieved through the GPU hardware, so that, while Bitcoin transactions usually take a few of minutes to be settled, Ethereum transactions are executed almost instantaneously and in a matter of seconds.



EXECUTIVE SUMMARY		GOLDEN HASH			
<b>Vision</b>	Golden Hash aims to be a new storage system supported on exclusive and dedicated network servers, this platform is available to multiple devices and Operating systems.				
<b>Token name</b>	Golden Hash				
<b>Token symbol</b>	XGH				
<b>Token price</b>	1 XGH = 0,5 USD				
<b>Discounts and availability of coins.</b>	<b>Phase</b>	<b>Days</b>	<b>Discount</b>	<b>Coins offered</b>	
	Pre ICO	30	50%	21.000.000 XGH	
	ICO Phase 1	12	30%	22.680.000 XGH	
	ICO Phase 2	12	25%	30.240.000 XGH	
	ICO Phase 3	12	20%	37.800.000 XGH	
	ICO Phase 4	12	15%	45.360.000 XGH	
	ICO Phase 5	12	10%	52.920.000 XGH	
<b>Token utility</b>	<p>The XGH token will give a permanent access to the GoldenSpace storage platform</p> <p>XGH tokens are not transferable outside the platform.</p> <p>The XGH tokens owners will be able to change their coins in the different official Exchanges, at the same time potential users of the GoldenSpace platform will buy XGH to acquire services on the platform.</p>				
<b>Token advantages</b>	<p>Network effect and strong ecosystem.</p> <p>Easy integration with contracts and Smart third-party applications.</p>				



	Standard ERC20 token and easy integration with wallets and Exchanges.
	Active that offers percent of discount.
	Active that aims to be a leader platform in the storage market.
<b>Security algorithm</b>	Ethash is a mixture of the SHA3 protocol.



## **GOLDEN HASH REPRESENTS STORAGE SPACE ON GOLDENSPACE**

Once the ICO Golden Hash phase is finished, storage spaces are going to be available in the GoldenSpace platform, with safer access protocols, more privacy and reachable to the market, which are going to provide storage solutions to anyone.

Golden Hash is a multidisciplinary platform of data storage services, it is supported on Hyperledger, the most important of the Blockchain technologies that currently exist in the ecosystem. It brings together a set of management and administration capabilities with a flexible design to information, which it allows deployment of smart contracts, named in this case chaincodes (They are developed through the Google's programming language "Golang"). It is compatible with different platforms, and backed by exclusive servers.

**GoldenSpace** is totally accessible due to it is not necessary to install preliminary software, with which the entry barriers are minimized, and it is increased in great scale the range of potential users on our storage platform.

To Access to the space, it is only need to have the cryptographic key or hash, in order to get more security, privacy and efficiency a Qr code will be available

as well to identify the user. This key is unique and it is given only once by the platform, for this reason, it is necessary to handle it with extremely care to avoid the risk and the integrity of the information stored.



In **GoldenSpace** the user can access to their data at any moment anywhere, with any browser, or one of our applications available to all the main platforms, thanks to the files synchronization functions give a security guarantee and in that way the user can enjoy a great storage space.



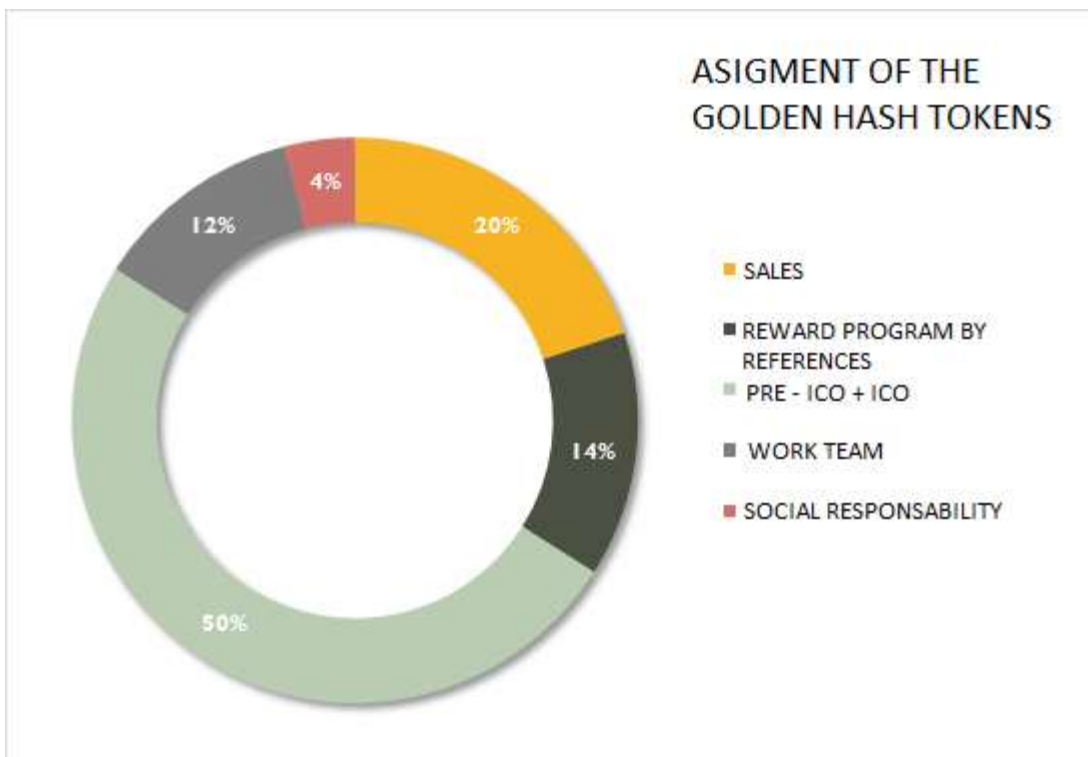


ICO STRUCTURE	GOLDEN HASH			
Token name	XGH			
Token supply	1 XGH = 0,5 USD			
Nature	Token of utility			
Tokens supply	420.000.000 XGH			
Token assignment	Sales			20%
	Rewards by reference			14%
	Pre – ICO + ICO			50%
	Team of work			12%
	Social responsibility			4%
Use of tokens	Development and research			25%
	Marketing			7%
	Operations and businesses			50%
	Legal and administrative			12%
Melioration	<b>Phase</b>	<b>Days</b>	<b>Discount</b>	<b>Coins offered</b>
	Pre ICO	30	50%	21.000.000 XGH
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	ICO phase 4	12	15%	45.360.000 XGH
ICO phase 5	12	10%	52.920.000 XGH	
Minimal investment	0,01 BTC o 0,125 ETH			



ICO STRUCTURE	GOLDEN HASH
Sales process	<p>The dates established will be respected for every ICO phase. If all the XGH tokens are sold in any specific phase before the (12) established days, the next phase, with its conditions will start at the end of this time.</p>
References and rewards program	<p>Investors will have the chance to get 150 XGH, for every person who participates and registers on the ICO, under its referral link.</p> <p>Daily, the first 100 people who leave a comment with their user name and wallet address will get 10 XGH.</p>

## ASSIGNMENT OF THE GOLDEN HASH TOKENS





## **REWARD PROGRAM BY REFERENCES**

With the purpose to consolidate Golden hash as a Project backed by the community and its users, there is assigned a quantity of 14% of the XGH tokens to the investors to be able to share reference links with their partners, affiliates and friends, to spread the information about the Golden Hash project. The person who refers someone to our project will get 150XGH for free just only if the referral has been registered and concreted its participation on the ICO, through its referral link. This gives motivation the user, for example, when making 10 references, the participant is going to get 1.500 XGH more, which are going to be added to its wallet after the ICO stage. It should be noted that the tokens just are going to be sent to the user's addresses who participated in the ICO process.

In addition to this, it is presented a reward program for social media. To be adopted these rewards, it is necessary you to follow the ICO Golden Hash accounts on Twitter, Facebook, and Instagram. Daily, and, in a random way, there will be a publication, where the first 100 hundred people who leave a comment with their users' name and wallet addresses will get 10 XGH. These



rewards are going to be cashable after the ICO stage, this promotion is valid no matter if the wallet address is or not a participant from the ICO Golden Hash.

For this reward modality, 58.800.000 XGH TOKENS will be distributed in the next way:

- ICO refer program: 16.170.000 XGH
- Twitter campaign: 4.410.000 XGH
- Facebook campaign: 4.410.000 XGH
- Instagram campaign: 4.410.000 XGH

### **REWARD PRE-ICO**

Pre-ICO is available just for a limited number of inverses, by invitation, after accomplishing some requirements to get additional benefits. The minimum investment for the Pre-ICO stage is of 0.01 BTC or 0.125ETH. To know more information about how to participate on Pre-ICO, send an e-mail to [ventas@icogoldenhash.com](mailto:ventas@icogoldenhash.com).

At the same time, there is a promotion for the first inverses, where they can get 150 XGH for free for every person that registers and concretes its participation on the ICO, through its referral link.



## **PRE-ICO + ICO**

The XGH tokens placed to collect funds are to finance the research, develop platforms, marketing, business development, societies, support and administrative costs.

## **WORK TEAM AND CONSULTANTS**

These XGH tokens goes for the first team members, and for proactive workers who are included to the project, as the first investors, contributors and those who advise the current team.

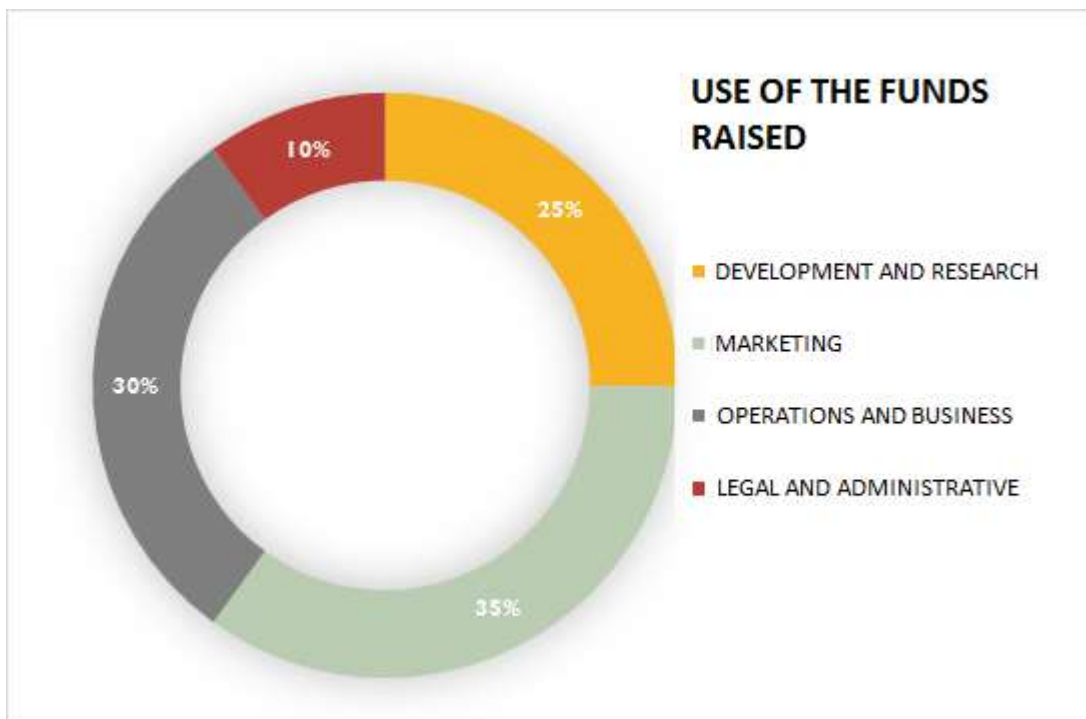
## **SOCIAL RESPONSIBILITY: FOUNDATION CHARITY**

As objective we have focused to create the foundation CHARITY directed to those Latin-American poor people, which main purpose is mitigate hunger, physical suffering and abandonment situations that threaten the lives of men, women and children.

To improve the quality of life of these people, we seek to minimize malnutrition in the region and contribute to the reduction of hunger, through the strengthening of the supply chain of the Food Banks, sponsoring dining rooms that promote nutrition and promotion a healthy life.

Our Golden Hash project, is committed to its investors, collaborators and beneficiaries to respect the transparency and information about the destination and management of the received funds, and providing all the guarantees to verify its good management. Additionally, we will have specialized nutritionists and psychologists to help and overcome the consequences that are generated, after being in that difficult situation.

## USE OF THE FUNDS RAISED





## **DEVELOPMENT AND RESEARCH**

A new storage platform will be developed, increasing its support capacity under the continuous improvement approach, with the adding of new alternatives to the remote and immediate access to data, such as application for different devices.

## **MARKETING**

An intensive and ambitious Marketing campaign will be developed in several languages, for the loyalty of users in the region, and to promote the level of knowledge and remembrance the Golden Hash Brand, as the leading option in storage solutions for all, with the perspective aligned to achieve a global reach.

## **OPERATIONS AND BUSINESS**

To consolidate the business through strategic associations, additional shareholders of content integration, to promote in the market of cryptocurrencies our XGH coin, in benefit of our investors.

## **LEGAL AND ADMINISTRATIVE**

Funds will be allocated to the solvency of administration costs, accounting, rents, legal advice and other third-party services required for the evolution of the project.



## **PURCHASING PROCESS**

To participate in the ICO Golden Hash, the web page designed is [www.icogoldenhash.com](http://www.icogoldenhash.com) in which all the benefits, advantages and conditions to enter and invest to our cryptocurrency are found.

The ICO process is divided in 5 phases, with an inversely proportional relation between the discounts in the value of acquisition of the coins with the quantity of coins offered. For the first phase, the discount is of 30%, and it decreases until 10% in the last, meanwhile the offer of coins goes up from 22 million XGH to almost 53 million. It is established to respect the dates in the beginning of every ICO phase. If all the XGH token assigned to any phase are sold before (9) days established, the next phase, it will only start when that time finishes.

ICO purchasing process is design to be absolutely safe, because the contact token has been programmed to when the investor sends the BTC or ETH amount to the token contract address, the Smart contract automatically sends the amount of XGH tokens to the wallet address where the BTC or ETH are sent. Once the ICO phase has finished, the address contract will be available to sell or buy.



For that reason, it is necessary you to send the quantity of BTC or ETH to buy the token from an Ethereum wallet compatible with ERC20. At this sense it is recommended to use: Myetherwallet, Metamask o Mist.

## **APPRECIATION OF GOLDEN HASH**

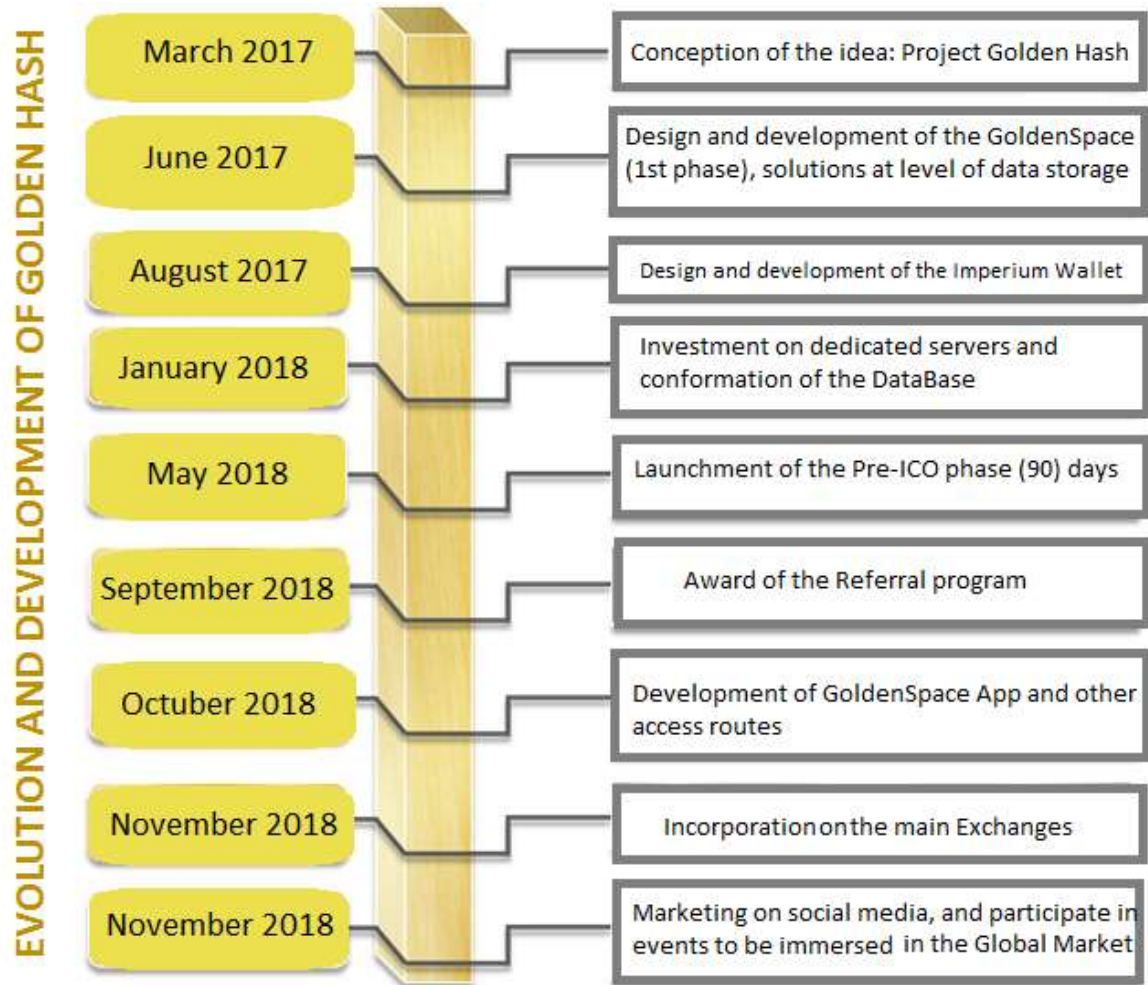
After the ICO phase, XGH is going to be listed on the different cryptocurrency exchanges platforms, to be available to buy and sell. Once XGH is an active part of these platforms, the coin price will be given by the law of demand and supply.

Our vision is optimistic, due to our cryptocurrency has a real support and an specific product utility, it will have a huge demand, coupled the approach principle, due in the future, XGH will not have new emissions.

This aspect supports the elemental economical concept that when demand raises supply, the value will increase.



## PHASES OF THE GOLDEN HASH PROJECT



## DIAGRAM OF THE GOLDEN HASH PROJECT

