







EMERALD COIN

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Emerald Coin White Paper

INTRODUCTION

The cryptocurrencies today have given much to talk about, since its creation and dissemination there in 2008-2009, has been without a doubt one of the most revolutionary forms in terms of the form, use, and acquisition of money, so much so that something similar was not seen since the time of barter in the remote past, at the dawn of humanity.



There are those who call this economic phenomenon the most disruptive of the economic system, because you become your own bank and controller of your own money, without having to resort to third parties, simply unique, and at the same time it is

the first digital medium to have an intrinsic value, which has been increasing, since 2008-2009, until here.

On the other hand, it means a great technological revolution the blockchain code a free, open code, that has demonstrated its security in a really impressive way, and that by its very nature, gives foot so that anyone can copy, paste and change the code at will , giving rise to other cryptocurrencies, nowadays there are more than 1300 registered cryptocurrencies, some worth thousands of dollars like Bitcoin, or others such as Iotas that barely exceed 2 or 3 dollars, at the most, however, there is no need to To disregard these sums, as Bitcoin has shown, they tend to raise their prices like foam, arriving at unsuspected prices, making people aware more and more about their acquisition, purchase and uses of this revolutionary medium. the market.

And not only this, cryptocurrencies can be used as bonuses, digital signatures, actions, and a long list of uses, which makes them also very valuable because they are encrypted files with hard cryptography, since to obtain a Bitcoin or any other cryptocurrency based on the blockchain requires very powerful computers whose processing power is counted in Kilo hash, Mega Hash, Giga Hash, and Tera Hash, being at the time of writing this document, the ASIC antminer S9, the most powerful

of all, because its processing power according to its Internet page reaches 14 Tera hash, that is 14 trillion operations per second.¹



The code will be based on the Ethereum cryptocurrency, mainly due to the ease provided by those who developed this cryptocurrency based on Bitcoin, to manage the code, they still provide a tutorial so you can have your own cryptocurrency and use it as you see fit, among others. services provided by Ethereum, a cryptocurrency that allows the creation of contracts that quoting the page of your white paper says the following:- *'they can be used to encode arbitrary state transition functions, allowing users to create any of the systems described above, as well as many others that we have not yet imagined, by simply writing the logic in a few lines of code.'*

¹ https://shop.bitmain.com/antminer_s9_asic_bitcoin_miner.htm?flag=specifications

But before getting ahead of what Torre Fuerte S.A.S. will do As
a cryptocurrency issuer, let's see a bit of history.

BRIEF HISTORY OF THE BITCOIN

The idea of a decentralized digital currency is not new, it has been throughout the years since even before the eighties of the last century, with the emergence of credit cards, in the mid-70s and early 80, the concept of electronic money, has always been latent, but how to decentralize it?



The use of money has always been supervised by banks, and governments, a third party that always kept a record of each transaction, and despite already existing a cryptographic language, called Chaumian Blinding, it could never be completely preserved, the anonymity, and try to acquire properties with bonds, stocks, and other written and digitizable goods, it was not possible to have 100% of the anonymity in those transactions, since banks were always like intermediaries.



B-money, and the birth of the cryptocurrencies as we know them.



In the year 1988, Wei-Dai², It provided a great idea for the creation of a decentralized electronic currency, using complicated cryptographic puzzles, as well as the creation of the first decentralized agreement, but there was a shortage of ideas on how to bring this into practice and how to materialize the decentralized agreement, obviously, was lacking. the Internet at that time, and the computing power of today's machines.

It was Hal Finney, who in 2005, based on the concept of B-money, introduced the concept of proof of work, that is, several connected machines to make a complicated activity to perform,

² <http://www.weidai.com/bmoney.txt>

and added the computable puzzles of Adam Back, and so the concept of the cryptocurrency was born.

However, it was not yet possible to give it a practical use, mainly due to the trust in computing as support.

THE BIRTH OF BITCOIN

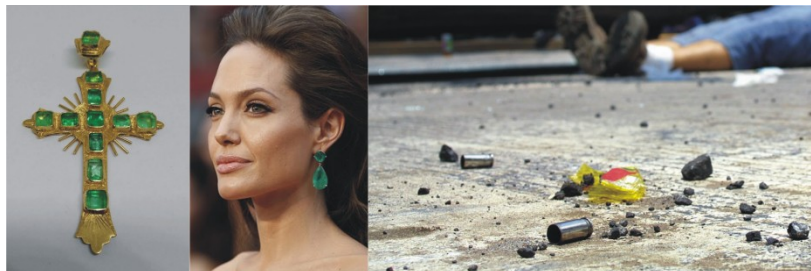


Time passes, and between 2008 and 2009, the first practical use of everything learned comes to the end, through Satoshi Nakamoto, who combined all of the above with the use of a public cryptographic key, as a decentralization agreement, in the form of a complex computer algorithm, to maintain the registry of who owns the coins as "proof of work", and using peer to peer networks (P2P), as a means of synchronizing computer equipment.

EMERALD COIN o THE FIRST CRYPTOCURRENCY BASED ON MINING COLOMBIAN EMERALDS.

INTRODUCTION

The Colombian emerald, has always been a symbol of luxury, power, intrinsic beauty that comes with this beautiful gem of a characteristic green color, but it is also a dark theme in the history of Colombia, because its trace is red in blood, a history as violent as it is exciting, full of mysticism and demonstration of what the power of money can do.



Mining in Colombia, has had a very slow evolution, mainly due to the landowners who concentrated mining in a few, making today emerald mining in Colombia is very backward, maintaining this activity in the sixteenth century, a peak, shovel and dynamite, very little machinery is actually used, bringing poverty and social inequality in all aspects, Brazil for example, has mining technology according to these times, with heavy

machinery of high level, and staff in decent working conditions
this does not happen in Colombia.



With the death of one of the greatest landowners that ever
existed, Víctor Carranza³,



³ https://es.wikipedia.org/wiki/V%C3%ADctor_Carranza

and the sale of the largest mine in the country, which was its property, to the Mexican-American mining company Texas Mining of Colombia, the government has finally been able to enter the area, guaranteeing the security of the region and bringing with it, foreign investment, reaching the country, companies from Canada, Japan, England, and the United States, finally bringing technology, and giving better working conditions to their employees.

In 2012, an initiative to start a business was created with Mr. Gildardo Bautista Rojas, a mining owner from the Quípama area, Boyacá, Colombia, holding the EGU-103 concession contract of Ingeominas, which occupies 546 hectares of land, together with all their respective studies, who had not been able to do anything to extract this gem industrially, due to the lack of contacts for it, and contacted Mr. Diego Ortega a law student, at that time, to see what could be done, to get investors for the company.

It was proposed to create a company called Garnet SAS, and from then until last year, there was a lot of management to get to the point of obtaining the environmental license which is the last permit to extract emerald gem industrially, and we have conversation with two multinationals, an English company, Gemfields, which has purchased almost all the exploitation

licenses in the region, and Fénix Esmeraldas de Colombia, a Colombian multinational company, which has gold extraction points, in Africa, Asia, and in Colombia, gold and Emeralds.

Nowadays, it is no longer called the company Garnet S.A.S. due to problems with English-speaking people from other countries, since the word Garnet, means "Granate", this being the name of another precious stone of great value, and because they thought that we would trade Garnets together with emeralds, to correct this error changed the name of the company and its logo, to Torre fuerte SAS⁴



⁴ www.torrefuertesas.tk

WHAT IS EMERALD COIN?

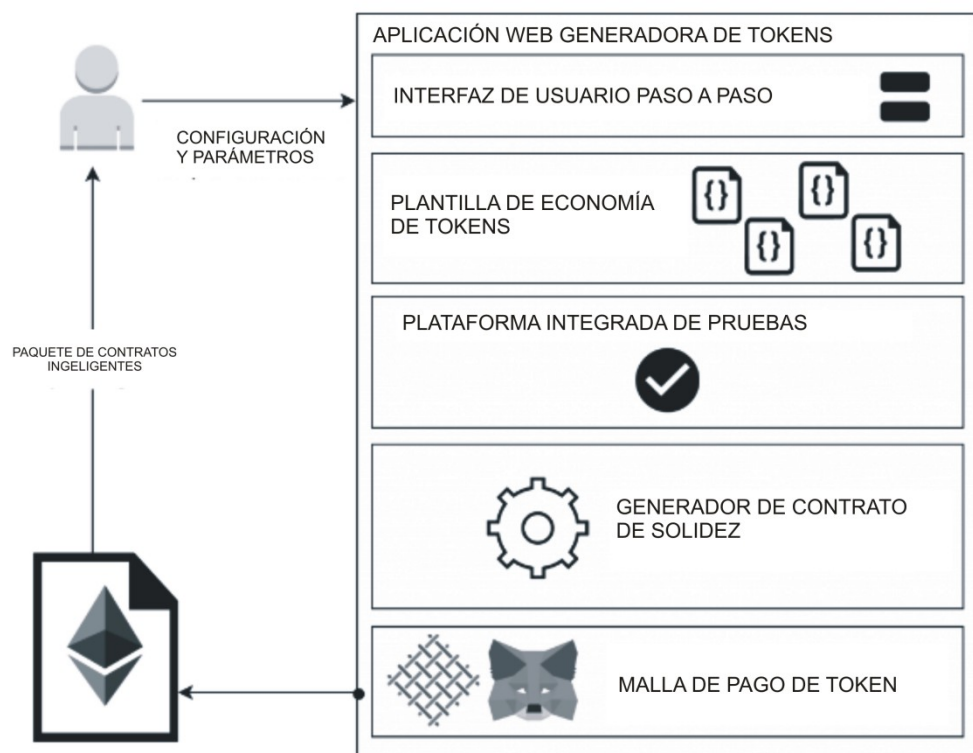


In the days that run today, has been much more marked, the influence of new technologies in society, just to make us an idea of its impact, Facebook, the great social network, has around more than 1500 million users , a really amazing figure, for a platform that is totally web, another huge impact of technology is in cryptocurrencies, Bitcoin is a very interesting economic phenomenon, since 2009, it has been increasing its value exponentially, it has had its falls like any currency, but it always increases its value in an incredible way, the highest valuation to date, it had about 60 days ago reaching 16 thousand dollars, and will continue to increase its value as time passes and as makes it increasingly more and more difficult to mine. It should also be noted that Bitcoin is not only the only

cryptocurrency that exists today, according to coinmarketcap.com, a page that shows statistics and the economic behavior of cryptocurrencies, there are 1512 registered cryptocurrencies, some of them are mineable, others are not, but all have value intrinsic, increasing day by day.

Thinking about this interesting and unstoppable phenomenon, the idea of creating Emerald Coin came up, and what is Emerald Coin? It is what is called a "Token", that is, a cryptocurrency based on another cryptocurrency, in this case, Ethereum, in turn, Ethereum is based on another Blockchain, similar to Bitcoin, but not same. And why is Emerald Coin based on Ethereum? Because Ethereum, is programmed in two lines

of code, which allows to create intelligent contracts,



It should be noted that by contract in the case of the ethereum, it must be understood as an IT "agent" that allows changing the source code of ethereum to change it to suit those who want to create a new cryptocurrency.

It should also be noted that this type of cryptocurrency is not minable, because it was made based on an existing code, with established parameters, for example you can establish the amount of cryptocurrencies that can be created, then if I want to create 500 million cryptocurrencies, only that number will come out and no more, we must have in mind that the less large the circulation, the more time will be valued due to the fact that there will be no more cryptocurrencies, since there are no more, then, those that remain in the market will be valued more because they are unique, and there will never be cryptocurrencies with that code of creation.

AND WHAT IS THE RELATION BETWEEN EMERALD COIN AND THE PHYSICAL EMERALD MINING?



Emerald Coin will be launched by a company that owns its own emerald mine, with studies and accreditation up to date, which will give more value to the currency that it already has, since it will have to do with emerald mining because the ERC-20 format that owns ethereum, allows to stipulate in writing, the direct relationship that will possess the currency, with the physical mining of emerald, which will attract more investors, and will contribute to the economy of the region and why not? of all the world.



WEBGRAPHY

- [https://shop.bitmain.com/antminer_s9_asic_bitcoin_miner.htm?flag=specifications.](https://shop.bitmain.com/antminer_s9_asic_bitcoin_miner.htm?flag=specifications)
- <http://www.weidai.com/bmoney.txt>
- [https://es.wikipedia.org/wiki/Víctor Carranza](https://es.wikipedia.org/wiki/V%C3%ADctor_Carranza)
- <https://coinmarketcap.com>
- www.ethereum.org
- <https://www.criptonoticias.com/informacion/que-son-los-contratos-inteligentes/>