



White Paper

TABLE OF CONTENT

1. Disclaimer
2. About Bitcoin
3. The Inception of Cryptocurrencies
4. The Next Generation of Money, Payments & Transactions
5. Influx to MDC
6. MDC - The Path to True Financial Freedom
 - Payments
 - Store of Value
7. How MDC Follows Complete Decentralisation?
8. Prerequisites
9. Standards & Protocols
10. Smart Contracts

11. What Is Proof-of-Stake

- Improved Energy Efficiency
- Reduced Hardware Requirements, Lower Barriers To Entry
- Strong Centralization Immunity
- Strong Shard Chain Support

12. Proof-of-Stake, Staking & Validators

13. Proof-of-Stake Protocol (PoS)

14. Proof-of-Stake & Security

15. Tokenomics

Road Map

DISCLAIMER

MDC intends to work in full compliance with laws and regulations of cryptocurrency worldwide network only. We obtained all the necessary approvals and licences required for the transaction of cryptocurrency under ETH networks and other standard protocols. Regulatory approvals and licences are required in many activities. This whitepaper shows the developments, and described initiative can be changed or not guaranteed. No person can make warranties, assurances, or representations within a particular timeframe or at all.

This whitepaper doesn't constitute financial advice, trading advice, and investment advice. It's not an offer or solicitation to buy securities. MDC Tokens are structured and sold as electronic assets on our official website. Investors are advised to deal with cryptocurrencies only as this project is not dealing with any fiat currencies.

ABOUT BITCOIN

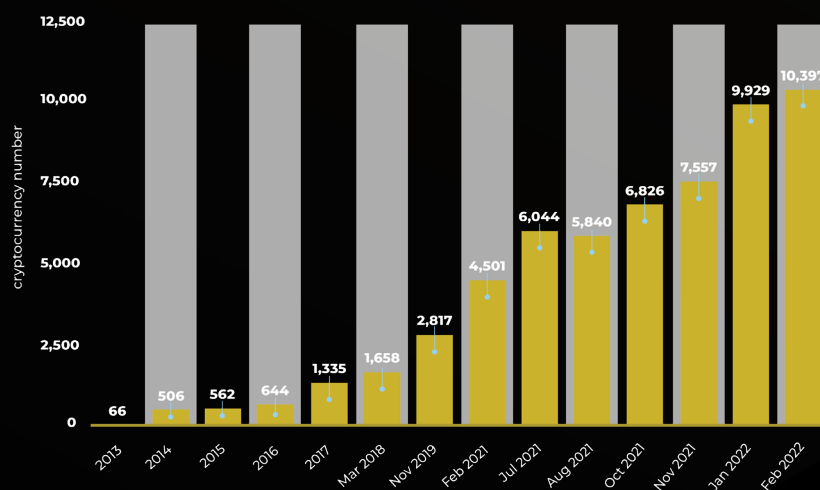
Despite the fact that Bitcoin is often regarded as a decentralized digital currency, it is an “electronic asset”. These spin-offs create a consistent mental impediment to understanding Bitcoin, questioning who the government supports and who sets interest rates. As a digital asset, you can own them and exchange them with others.

Bitcoin transactions between accounts are accepted worldwide in seconds and are usually settled within an hour. Bitcoin prices are usually displayed in US dollars and any currency. This price, like gold and oil, is adjusted by traders based on market demand and normal supply in various markets.

Bitcoin is similar to the global currency on the internet, regardless of geographic location. In other words, if the Internet was a country, Bitcoin would have been its currency. Thus, for the first time in history, there are electronic assets that are fully managed by the end user without the need to create an institutional account.

THE INCEPTION OF CRYPTOCURRENCIES

In the modern banking system, banks use the money we have. They share profits with us in the form of interest. As a result, you do not have complete control over the money you invest. Countless hand powers can lead to many large banking system pose scams. In any case, imagine that the system works individually or does not depend on the central authority. For this reason, Bitcoin is the first decentralized P2P payment system. Since the introduction of Bitcoin in 2009, Crypto has developed many cryptocurrencies with different use cases throughout the industry.



THE NEXT GENERATION OF MONEY, PAYMENTS & TRANSACTIONS

There are many creative systems for money payments in the current market and most of them are created on platforms such as the internet, smartphones, and digital storage cards. These systems for alternate payments have encouraged the growth of Google Pay wallet, Apple Pay, PhonePay, PayTM, PayPal, Tenpay, Alipay, BitPay, Venmo, Moven, M-Pesa, BitPesa, and others.

Fiat currency-based beyond payment systems, the advancements in the digital currency facilitates faster, innovative, and more flexible ways and payments in the financing of goods and services. The one digital currency that stands out from the rest is 'Bitcoin' which is the most recognized cryptocurrency in the community. Specifically, Bitcoin is that cryptocurrency that is normally considered as the subset of digital currency.

Bitcoin is a solitary cryptocurrency that is universally considered to be in a class by itself. Just like other similar digital currencies created after it, Bitcoin makes use of Internet power for processing transactions.

INFLUX TO MDC

MDC Corporation, the brand's global payment partner, has announced the release of tokens. "Cryptographic payment opportunities and future" tokens. We carry out MDC statistics as a viable payment method in e-commerce and other business sectors. Additionally, we're expanding consumer and retail opportunities in the global market.

We are MDC, providing companies with the technology and intelligence to thrive globally and locally. We integrate payment technology to help businesses break down payment barriers. In addition, it optimises costs and increases acceptance rates. We use our unique platform to provide seamless deposits and withdrawals. We enable dealers to connect with customers in more than 200 markets around the world. Our mission is to make our Coin MDC a global transaction coin.

The MDC is the first token that conforms to the Bitcoin protocol and runs on smart contracts. It is compatible with the Ethereum standard and is protected by PoS (Proof of Stake). MDC represents the future of cryptocurrencies. But we have also revolutionised the blockchain industry. This allows the MDC ecosystem to take full advantage of programmable money features. MDC's innovative design enables high scalability and reduces transaction volume. MDC provides a fully distributed solution that works securely around the world. It fits different use cases and transaction requirements.

MDC brings a native currency for the transactions. It comes with smart contract integration that adds value to the "digital payments" industry. In addition, it contributes to the economic sustainability and growth of cryptocurrencies. Ethereum blockchain enables a fully decentralized, open, secure, low-cost blockchain-based financial system. It will create opportunities for many of us who are 'Unbanked' and 'Impaired to the Digital World'.

MDC _THE PATH TO TRUE FINANCIAL FREEDOM

Payments

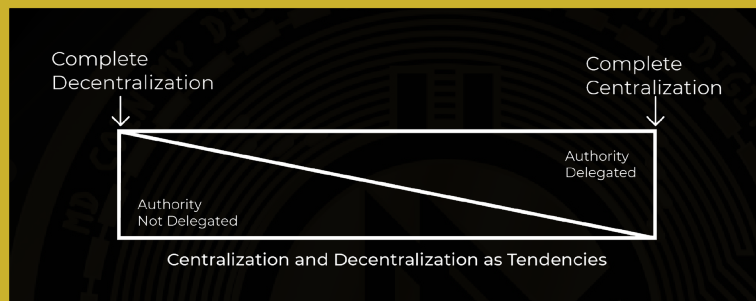
If you urgently need to send USDT 1000 to someone who lives in another country. Using any conventional system would be a nightmare. You can send assets to your friends using Bitcoin, ETH, MDC like cryptocurrencies. It only takes 1-2 minutes to process the transaction and quickly reach your friend's wallet.

Store Of value

MDC is a safe and valuable store in addition to being a very effective payment method. On the other hand, as demand increases, so does value. However, you will gain more if you store your funds in the MDC cryptocurrency.

HOW MDC FOLLOWS COMPLETE DECENTRALISATION?

centralization to complete Decentralization



In this chapter, we discuss Decentralization in MDC. Decentralization is a crucial concept that is not unique to MDC. The notion of paradigms of Decentralization arises in different digital technologies. In order to know how it works in Bitcoin and MDC as well. Here, we know about these two paradigms in different contexts-

Decentralization is not a new concept and is not all or nothing. There is almost no system purely centralised or decentralized. MDC is fundamentally a new system based on a Ethereum blockchain

Ethereum is heading towards a consensus mechanism labelled as PoS (proof-of-stake) from PoW (proof-of-work). It has been a plan from the beginning as it's a crucial part of the community's strategy to uplift Ethereum through upgrades. However, making the right PoS is a major technical challenge that is not a child's play like PoW to get consensus throughout the network.

PREREQUISITES

To understand this page better, My Digital Coin (MDC) recommends you to read out the mechanism of consensus first.

Standards & Protocols

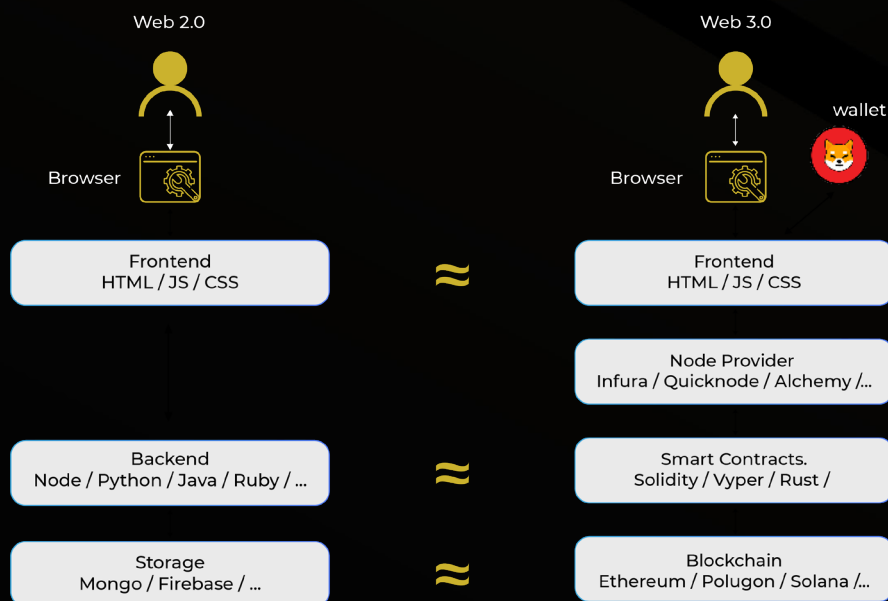
My Digital Coin's platform and applications encourage ERC 20, ERC 721, ERC 1155, BSC (Binance Smart Chain) BEP20, Ethereum and many more

- The Binance Smart Chain (created by Binance) provides its users with a platform to design and develop decentralized applications. It supports smart contracts and is fully programmable. BSC is regarded as a parallel blockchain that creates a dual-chain structure by introducing programmable features to the Binance Chain.

- ETH runs on Smart contracts and is based on a decentralized platform: applications running just as programmed with no possible censorship, downtime, fraud, or interference of any third-party entity. These applications perform on blockchain that is custom-built, a tremendously powerful global infrastructure that is shared with variable value and claims the property's ownership
- ERC is the abbreviation for 'Ethereum request for comment' and the standards for ERC 20 were established in the year 2015. The ERC 20 coin is conventionally used to create and issue smart contracts on the ETH blockchain. Smart Contracts are used for creating tokenized assets or smart property so that people can invest in them.
- ERC 721 is an open and free standard that expresses the procedure to build unique or non-fungible tokens on the ETH blockchain. With most of the tokens being fungible (there is no difference between one token to another), all ERC 721 are unique. You can say they are 'one-of-a-kind' assets.
- ERC 1155 is the one and only ETH-based token standard that lets people mind both non-fungible (unique) and fungible (identical) assets in one solitary smart contract. This enables the formation of every asset type starting from digital assets to gaming items, tokenized real estate, and digital art.

SMART CONTRACTS

Smart Contracts are preprogrammed self-operating contracts with terms and conditions of the contract directly written into code lines between the seller and the buyer. They are powered by blockchain so they are deposited in a public database that can't be changed. Transactions taking place in the smart contracts are handled by the blockchain. This shows that they can automatically be sent without the need for any third-party entity



WHAT IS PROOF OF STAKE

Proof-of-stake is a sort of consensus mechanism that is used by the networks of blockchain to attain a distributed consensus. It demands the participants put their Ethereum at stake to become their network validator. Validators are similar to the miners in PoW: creating new blocks and ordering transactions to make all nodes agree to the network state.

PoS comes along with a set of improvements to the PoW system :

Improved Energy Efficiency -

you won't require many energy mining system blocks

Reduced Hardware Requirements, Lower Barriers To Entry -

you won't require powerful hardware to withstand the creation of new blocks.

Strong Centralization Immunity -

PoS should create more network nodes

Strong Shard Chain Support -

a crucial upgrade to the Ethereum network scaling

PROOF_OF_STAKE, STAKING & VALIDATORS

Proof-of-stake or PoS is the fundamental mechanism of activating validators when the stake is maxed out. The minimum stake for the Ethereum owners to become a validator is 32 ETH. Validators are randomly chosen for the block creation and they are responsible for confirming and checking the block not created by them.

The stake of the user is put to use to give incentives to the honest validators. For instance, a user can lose out on a section of their stakes while online surfing (validation failure) or the whole stake or intentional collusion

WORKING OF ETHEREUM PROOF_OF_STAKE POS_

In contrast to proof-of-work (PoW), validators don't require huge computational power as they are chosen randomly and aren't competing. Mining blocks are not required; rather, they are supposed to be created when selected and validated the suggested blocks when they are not.

This type of validation is called 'Attesting'. Attesting can be referred to as saying like 'this block looks fine'. The validators are rewarded for presenting new blocks and attest to blocks they have seen. In case you attest to the blocks that are harmful and malicious viruses, then you will lose your stake.

PROOF_OF_STAKE PROTOCOL_POS

As proof-of-work (PoW) protocol utilises more resources and centralised computing power, proof-of-stake (PoS) protocol has acquired a lot of attention universally, which shows that rich equity owners are more willing to carry on with the uniformity and security of this system.

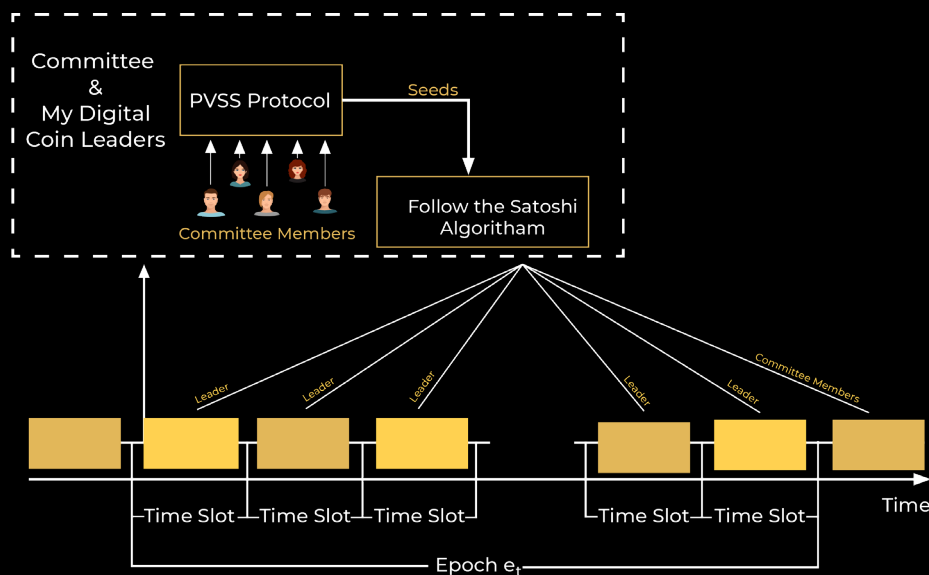
Specifically, at the start of every round, nodes can be chosen in the form of a representative to suggest a new block following the verification of packing conditions by PoS protocol. The participants propose a new block that is pending after acquiring the longest effective blockchain. They then present the newly created blockchain waiting for confirmation designed by them.

During the start of the round, the PoW protocol selects the representatives again for the confirmation of the results of the last round. Representatives with good and honest behaviour will be authorised to continue working for the longest effective/valid blockchain. Corresponding to the PoW system, the PoS miners acquire the chance for packing after nonce hash value fulfils the demands of the succeeding inequality.

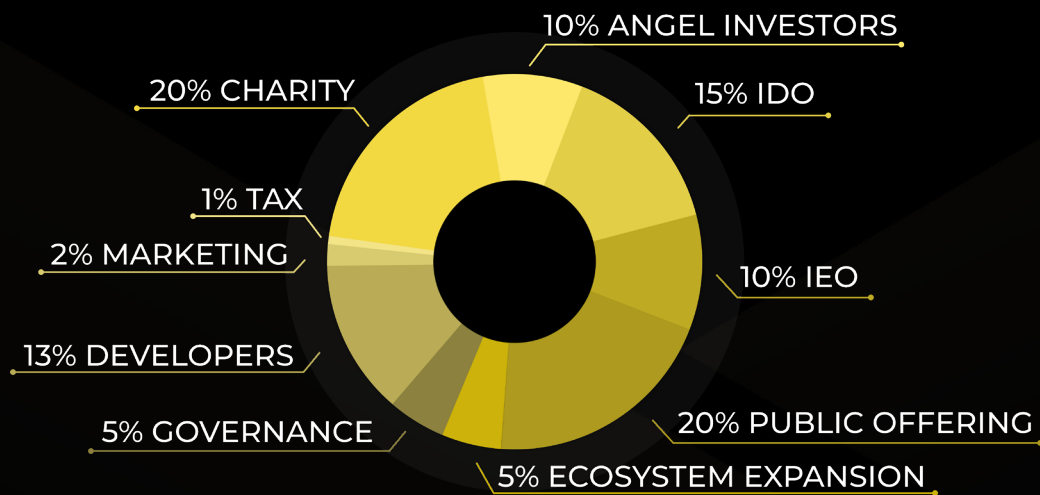
PROOF_OF_STAKE & SECURITY MODEL

In PoS, there exists the risk of the possibility of 51% attack however; it's riskier for the attackers. To accomplish that, you would have to take control over 51% of the ETH at stake. It's not just a big amount of money, but also it could cause the value of ETH to drop. The incentive to destroy the currency's value that you have most of the stake in is very little. Stronger incentives are also available for the network's health and security.

Ejections, Stake slashing, and other penalties that are governed by the beacon chain will continue to prevent the acts of unpleasant behaviour.



TOKENOMICS



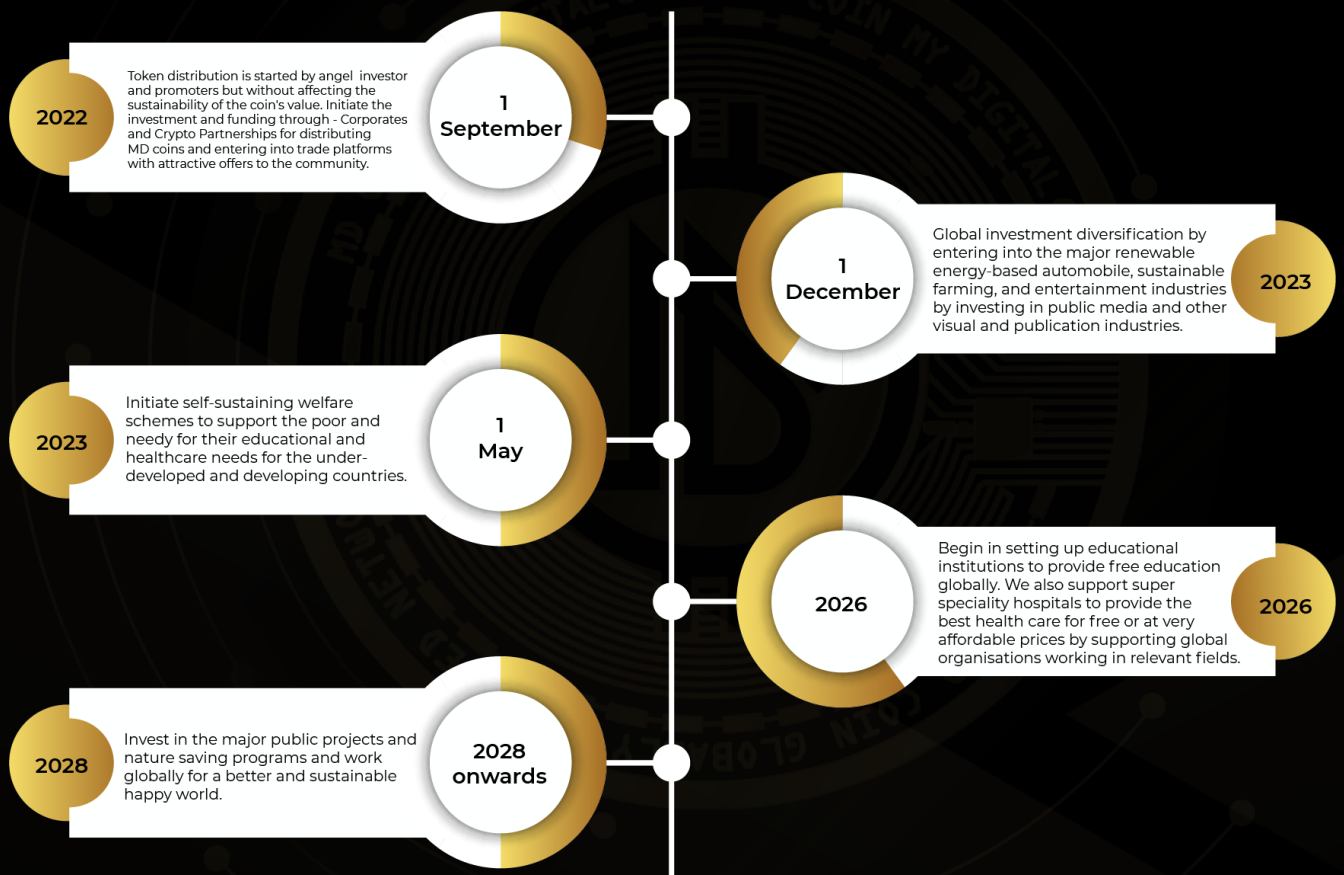
Total Supply- 21 Million

Angel investors-	10%
IDO-	15%
IEO-	10%
Public Offering-	20%
Ecosystem Expansion-	5%
Governance-	5%
Developers-	12%
Marketing-	2%
Tax-	1%
Charity-	20%

ROADMAP



ROADMAP





Thank You