



# SHARD

WHITEPAPER

Version 2.1

**LAST UPDATE**  
19/06/2019

“

***The future is not  
something we  
enter. The future  
is something we  
create.***

”

Leonard I. Sweet

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# VISION

Our vision for Shard is to create a secure and desirable cryptocurrency, ideal for a broad range of everyday uses. To achieve this Shard must have low fees, high scalability, decentralised security, strong community support, good liquidity and diminished volatility. With Shard's significant and easily accessible proof-of-stake consensus, we hope many users will take part in maintaining the network. Providing greater scalability and decentralisation, while keeping transaction fees to a minimum. To both assist with the sustainability of these block rewards as well as liquidity and volatility is the Shard Community Reserve along with Shardax and its multiple large scale projects. Importantly, at all times we respect and appreciate our communities opinions and support, and hope that it will only grow stronger over time.

We aim to make digital assets more accessible to the average user and allow for wide scale adoption. Shardax has unique projects featuring Shard, such as a digital asset exchange which will allow users to trade, stake, review new coin offerings, manage their portfolio and much more. The Universal Infinity Wallet allowing users easy access to their many different coins in one place on their desktop or mobile, trade straight from their wallet and easily pay for services, goods and more on the go with a very simple and secure interface. Along with the yet to be revealed Quantum Project. We are looking to revolutionise the cryptocurrency experience allowing users easy access and usability, bringing it to the mainstream for day to day life.

# ABOUT

## TEAM

While the scope of the Shard project is broad and to complete our vision may take several years, we have an experienced and enthusiastic team and community who are dedicated and ready to make this vision a reality. The Shard team brings together a unique collection of experts within cryptocurrency and technology with out of the box thinking to resolve situations and overcome obstacles.

## INTRODUCTION

Shard is designed to be a secure, decentralised, open source cryptocurrency, with fast low-cost transactions, scalability and network stability, while being user friendly. Shard can be used not only as a cryptocurrency, but also as a utility coin in multiple Shardax projects. Such as a Digital Asset Exchange & Staking Platform, Universal Infinity Wallet and Quantum Project.

In addition to the extra benefits when using Shard on these platforms; Shardax uses 20% of their profits for liquidity, buying and burning Shard. This will decrease the existing supply, while coin holders can continuously stake without excessive inflation.

The Shard blockchain is based on the proof-of-stake consensus with unique enhancements, giving holders the opportunity to stake their coins to secure the network. This is a more energy efficient approach to validation of the transactions in the blockchain as opposed to proof-of-work.

Staking does not require coins to be locked up in any way, and is fully automated while running the Shard wallet, with our unique *Automated Stack Targeting Feature*.

Our long term vision for Shard is to be one of the most scalable and user friendly blockchains, while ensuring security, decentralisation, fast speeds and low transaction fees. To achieve this our team will be researching and implementing many new advancements to the Shard chain making Shard even more unique. One potential advancement is Sharding, which could allow much more transactions to be processed by the Shard network per second. Another is the implementation of smart contracts and tokens within Shard, one of the most scalable and stable networks. Allowing for businesses and applications to be created on the chain and multiple other solutions, without limitations. This will increase the usability of Shard as a functional and desirable global cryptocurrency with a strong focus on the future.

# FEATURES OF SHARD

Shard is a cryptocurrency that uses the proof-of-stake consensus. It has some distinct differences from other coins in the market. Some of the features include:

- **Cryptocurrency and utility coin**

Shard gives holders the benefit of being both a cryptocurrency and utility coin. Allowing holders to transact directly in Shard or enjoy its utility in multiple partnered projects such as Shardax.

- **Easily calculable % based proof-of-stake rewards**

Shard holders have the option to stake their coins to help secure the network and gain % based rewards; the more Shard you are staking the higher the block reward received. Holders will be able to stake their coins in their wallets, on Shardax or with our multiple partnered pools

- **Secure and confidential**

As a blockchain-based cryptocurrency, Shard uses cryptographic encryption to protect the information in the blockchain. Additionally, pseudonyms are used when adding transaction histories on the blockchain to protect the confidentiality of the holder. The combination of the cryptographic encryption, pseudonyms and advanced security protocols make Shard secure for day to day transactions

- **Transparency**

Shard uses a distributed ledger that is synchronised across all nodes. As a result, all the transactions are authenticated preventing any internal fraud. Users can view all the transactions on the blockchain.

- **Enhanced stability**

The Shard network is one of the most stable networks, with proof-of-stake enhancements that strengthen against chain splits and potential attacks.

- **Fast transaction speeds**

Shard uses proof-of-stake consensus. The algorithms have low latency, this enables a high volume of transactions to be handled at the same time without a drop in the speed. The target rate of updating the transaction blocks is 120 seconds, which enables transactions to be confirmed 5 times faster than Bitcoin.

- **Scalability and robustness**

PoS coins can be scaled allowing more users to join the platform or hold the coin. Even though the coin supply is limited, the blockchain is scalable allowing users to transact using Shard at the same time without any inherent latency

- **Open source decentralised blockchain**

The Shard blockchain is open source, allowing the community to contribute to code changes. Any fundamental changes to the blockchain must be adopted by a majority of users to be passed.

- **Energy efficient**

The Shard blockchain utilises an energy efficient proof-of-stake algorithm, no longer requiring unsustainable amounts of resources to be consumed by mining to secure the network.

- **Low fees**

Shard has one of the lowest transaction fees and with its future scalable solutions, these fees will remain low even after mass adoption.

# PROOF OF WORK

Proof of Work (PoW) is a validation mechanism used in certain blockchains, Bitcoin and many other coins follow this method of consensus to ensure the authenticity of the transactions.

However PoW blockchains have some disadvantages that Proof-of-Stake (PoS) consensus can help to alleviate. PoS chains are more scalable, however they also have limitations and this is why we are looking to integrate more scalable solutions such as Sharding which could allow scaling via PoS indefinitely. Some of the problems with PoW have been listed below:

- Requires an unsustainable amount of energy, contributing to global warming and higher electricity bills.
- Requires specialised computing hardware, which is expensive and wastes natural resources.
- Possibility of miners reallocating their resources to mine a different coin if the reward is higher there, causing the chain to be less decentralised and more prone to 51% attacks.
- The typical method of PoW reward distribution incentivises a very small amount of validators, typically large mining companies or pools. This results in a loss of decentralisation, as the average user can not individually contribute to the validation of the network, making PoW chains more susceptible to 51% attacks.

- PoW chains are less scalable compared with PoS chains due to the reduced number of validators and additional overheads of the PoW mechanism.
- PoW chains typically have large transaction fees due to their lack of scalability. even though solutions have been proposed to help with this issue these fees are still high.

Shard has been designed to solve most of these problems, however as with all chains, none are currently able to solve all problems. The main problem facing cryptocurrencies today is scalability and we are looking to integrate more scalable solutions within the future.

At launch Shard was mineable via PoW by the community. The block reward in the 1-1000 range of blocks was 5 Shard, while those between 1001-5000 were 20 Shard each.

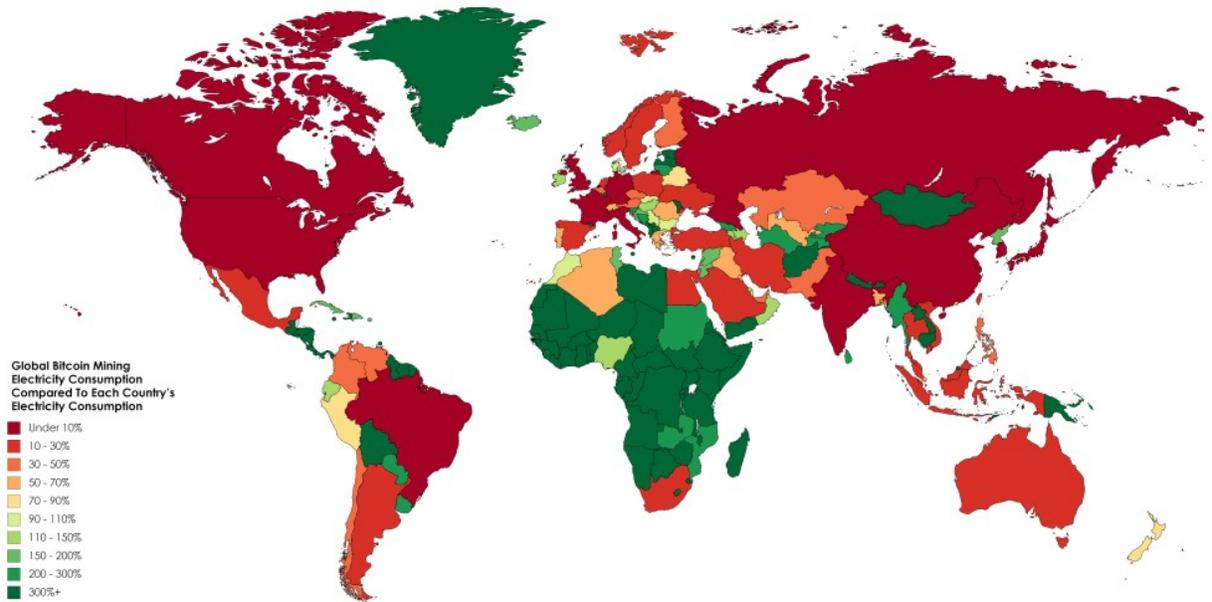
However as the current block is now above 5000, the mining reward element of Shard has ended. The final proof-of-work block was generated on the 19<sup>th</sup> of March 2018.

PoS is now the exclusive blockchain validator and the only method of generating new Shard coins.

Below you will find two graphs representing bitcoins unsustainable energy consumption. Currently, the Bitcoin network uses more energy than 159 individual countries. There are only 195 countries on Earth. That means 82% of the world's countries use less energy than Bitcoin.



*The map above shows which countries consume less electricity than the amount consumed by global bitcoin mining. [Click here to see latest Stats.](#)*



Source: <https://powercompare.co.uk/bitcoin>

*Global Bitcoin mining consumption compared with each countries electricity consumption.*

# PROOF OF STAKE

Unlike cryptocurrencies that use Proof of Work (PoW) mining such as Bitcoin and Ethereum, which require extensive amounts of resources and energy to achieve consensus, the Shard blockchain is based on Proof of Stake (PoS) consensus.

Proof of Stake rewards are based on the number of coins each participant has in the Shard network, and participants are rewarded for their participation in validating and securing transactions and blocks on the network. This alternative method of achieving distributed blockchain consensus offers a number of advantages over PoW consensus algorithms:

- It uses a vastly reduced amount of computing resources and electricity to secure the blockchain, which is more economically friendly compared with Ethereum and Bitcoin's PoW mining costs. PoS is therefore much more sustainable and environmentally friendly in comparison.
- PoS allows for greater decentralisation and more individual participants taking part in validating transactions within blocks. It does not matter what resources your computer has, since a Shard node can operate on virtually any computer and each participant only needs to run 1 computer, rather than many custom mining machines. This means there is no need for centralised mining farms as you see with many PoW coins. This in return creates greater decentralisation, making it more difficult to attack the network.

- PoS allows for faster transaction times and further scalability. The enhancements applied by the Shard team to the network has made the Shard chain more stable and able to confirm many more transactions than bitcoin every 10 minutes. In the future we look to increase this up to millions of transactions per second using PoS.
- The odds of a specific users wallet being selected to secure the blockchain is based on their coins' weight. Unlike PoW coins of which the block validator is based on resources spent solving an arbitrary calculation, PoS validators are selected at random based on the amount of coins they have and how long they have been staking.

These and other benefits of PoS, provide the Shard Blockchain with a secure foundation. Nodes on the blockchain network have to be holders of Shard in order to participate in securing the network and be rewarded, meaning they have a natural incentive to protect and maintain the value of Shard.

Anyone with a Shard wallet can secure the network, requiring no configuration or setup. Simply download the Shard wallet, transfer your coins and run the wallet to help process, validate and secure the network, and start earning rewards.

The Shard target block spacing is 120 seconds, meaning that around every 2 minutes, a single user with mature coins will confirm a transaction and earn a stake reward for securing the blockchain. The minimum maturity period before your coins are eligible to confirm transactions and stake is 9 hours, while the maximum maturity period is 72 hours. This has been designed to ensure maximum participation in securing the network.

# SPECIFICATIONS

## Architecture & Consensus

Shard has its own main-net blockchain that is based primarily on proof-of-stake consensus and unlike many other chains Shard is pure PoS with no masternodes.

A main-net is a stand-alone blockchain that does not rely on any other cryptocurrencies, which sets it apart from many altcoins/tokens that are based on another cryptocurrency's blockchain, such as Ethereum's.

There are a variety of reasons why Shard has not implemented masternodes, however we have listed some of them below:

- Masternode blockchains have reduced liquidity, since the majority of the coin supply is often locked in masternodes.
- Masternode blockchains result in reduced decentralisation and less users securing the network.
- Masternode blockchains prioritise users with more funds to set up a masternode, causing very few to be incentivised to stake.
- Masternodes reduce the amount of coins staking and typically have more frequent split blocks and security issues.
- Masternodes are not user friendly and generally require multiple dedicated servers to run multiple nodes, making it difficult for most novice users to run the chain, hence counter to mass adoption.

Master nodes do have some advantages however, such as instant send, privacy and budget voting. However these are also possible to implement into a pure PoS blockchain, and as Shard advances we will be looking into such solutions in the future.

As a stand-alone blockchain, Shard transactions will be faster because products of the platform will only be subject to Shard's blockchain latency limits as opposed to parent-child chains that share a blockchain's latency limits thereby reducing the speed of transactions.

The validators (the equivalent of miners in PoW platforms) are chosen based on the number of coins they are staking, combined with the age of staked coins (their weight). This is not processor or GPU intensive, unlike blockchains that use only PoW consensus. The more coins staked and the longer a holder stakes their coins, the greater their value as a validator increases and the more transactions blocks that will be authenticated on their node. This results in better earnings.

Key reasons why Shard opted for the PoS consensus are to reduce the likelihood of 51 percent attacks, the ability to integrate more features, and also to render the blockchain more scalable for future adoption, as compared with PoW based blockchains.

## Security Protocols

The Shard blockchain uses multiple security protocols to protect the blockchain from Sybil attacks, to prevent double spending and coin theft. The first element is the use of an effective hashing algorithm; Essentially, public keys are used to receive coins during transactions, but the authentication of transactions is done using private keys.

The use of the PoS consensus protects the Shard blockchain from Sybil attacks where malicious individuals give users on the platform false information (i.e. fraudulent public keys which can result in coin theft).

Double spending is prevented by continuous authentication of account balances. Given an initial and then a duplicate transaction, only the first transaction would be completed while the duplicate would be rejected.

## Basic Specifications

Github: <https://github.com/ShardcoinRepo/shard>

Coin Name	Shard Coin
Abbreviation	SHARD
Coin Type	PoS (Proof of Stake)
Max Supply	210,000,000*
Block Time	120 Seconds
Min Fee	0.0001 Shard
Confirmations	10
Maturity	10
Initial Burn	15,000,000 Shard
Shard Burned to date	1,085,000 Shard
Minimum Stake Age	9 Hours
Maximum Stake Age	72 Hours
Last POW Block	5000
Default Port	48200
RPC Port	48210
Current Version	2.0.0.0
BIP-0044 Registered Index	325 ( <a href="https://github.com/satoshilabs/slips/blob/master/slip-0044.md">https://github.com/satoshilabs/slips/blob/master/slip-0044.md</a> )
Pubkey Address	0x3f (S)
Scriptkey Address	0x7d (s)
Wif	0x2d (K)

# PoS Reward Specifications

Time	Block Start	Block End	Reward
194 Days	140,001	300,000	50%
45 Days	300,001	330,000	25%
2 Years	330,001	855,000	10%
2 Years	855,001	1,380,000	9%
2 Years	1,380,001	1,906,000	8%
3 Years	1,906,001	2,695,000	7%
3 Years	2,695,001	3,483,000	6%
3 Years	3,483,001	4,272,000	5%
4 Years	4,272,001	5,320,000	4%
4 Years	5,340,001	6,370,000	3%
8 Years	6,340,001	8,500,000	2%
Infinity	8,340,001	+	1%

The PoS Rewards and Max supply was updated in version 2.0.0.1 and these changes allow for a more scalable, long term future. We estimate it will take well over 120 years to reach the new max supply, which was reduced by 77% to 210,000,000.

## Automated Stack Targeting

If you are a seasoned cryptocurrency enthusiast, you may have heard of something called a “split threshold”. In traditional Proof of Stake (PoS) wallets, you have the option to set the threshold at which your coin stacks will split, and form a new stack. With that system, the user is able to choose whether their stacks will split at 2000 coins, 5000 coins, or whatever number they want.

If a split threshold is set to 5000, this means your coin stack will grow with each staking reward, up until your stack reaches the 5000 coin mark, at which point it will split into two stacks of 2500 coins each. Those two stacks will then grow until they hit 5000 each, and then split again, thus multiplying the total number of stacks. Since the amount of coins held in a stack greatly contributes to its staking weight, many users are tempted to set their split threshold to a high number, in order to keep their coin stacks large and increase the frequency of their staking rewards. While this sounds great at first glance, there are severe disadvantages to it.

When many holders of a PoS coin set their split threshold to a high number, this reduces the total number of coin stacks that are available on the network. Blockchains are built on the idea of consensus giving verification to our funds. When we have fewer stacks with mature coins on the network, our possible options for creating a new block, and thus verification of transactions on the network, are reduced, and the stability of the network then suffers. By widening the reach of possible blockchain validators through reduced stack sizes, and increasing the number of total stacks, the network is strengthened against split chains and possible attacks.

In striving to create the perfect balance between network stability and staking speed, we have developed this unique feature that we call Automated Stack Targeting. This advanced feature eliminates the traditional “split threshold” and automatically determines the optimal stack size for each Shard wallet user, based on the current network conditions. This will provide an incredibly stable blockchain network, while also granting you the consistent rewards for securing the network.

Since the beginning, the Shard blockchain has included automated splitting, which was a stepping stone to what has now become the Automated Stack Targeting feature. With automated splitting, we were able to greatly increase the stability of the network. This has been a large contributing factor, as to why the Shard blockchain has never experienced a split chain since the creation of the genesis block.

The Shard Team has now gone a step further in our efforts to create the most stable and secure blockchain network possible. Automated Stack Targeting is the combination of automated splitting, as well as automated combining of stacks. As the Shard blockchain grows, the network conditions are constantly being assessed, and your stacks will now be split or combined depending on what is most beneficial to the current needs of the network. So now, if the network has more than enough stacks to choose from, a coin stack that is staking can pull in another one of your stacks and receive a reward alongside it, causing them to combine into a single stack. This will result in individual stacks that stake sooner and are less likely to become backlogged, waiting unnecessarily long periods of time to earn a staking reward. With this new feature, the Automated Stack Targeting will ensure Shard withstands the test of time and continues to run for generations to come!

# SHARD WALLET

The Shard wallet is unique from other wallets of many popular coins out there. We strive to continually adapt and improve our wallet in many ways, usually influenced by the community's recommendations. The community's opinion is of the utmost importance to us and we continually use their voice as a tool to integrate and innovate new features into the coin. Shard strives to be a community leader, establishing standards set forth by every user of Shard coin, but exceeding them in every way possible.

During Q2 2019 we launched the Shard v2.0.0.1 wallet, which contained a full UI update that is completely different compared with other QT wallets, with a fresh enhanced design and multiple new and unique features not found elsewhere.

Alongside the UI update and features, we also implemented consensus changes and integrated our new staking method that will ensure optimal network stability while providing frequent staking rewards and further network security.

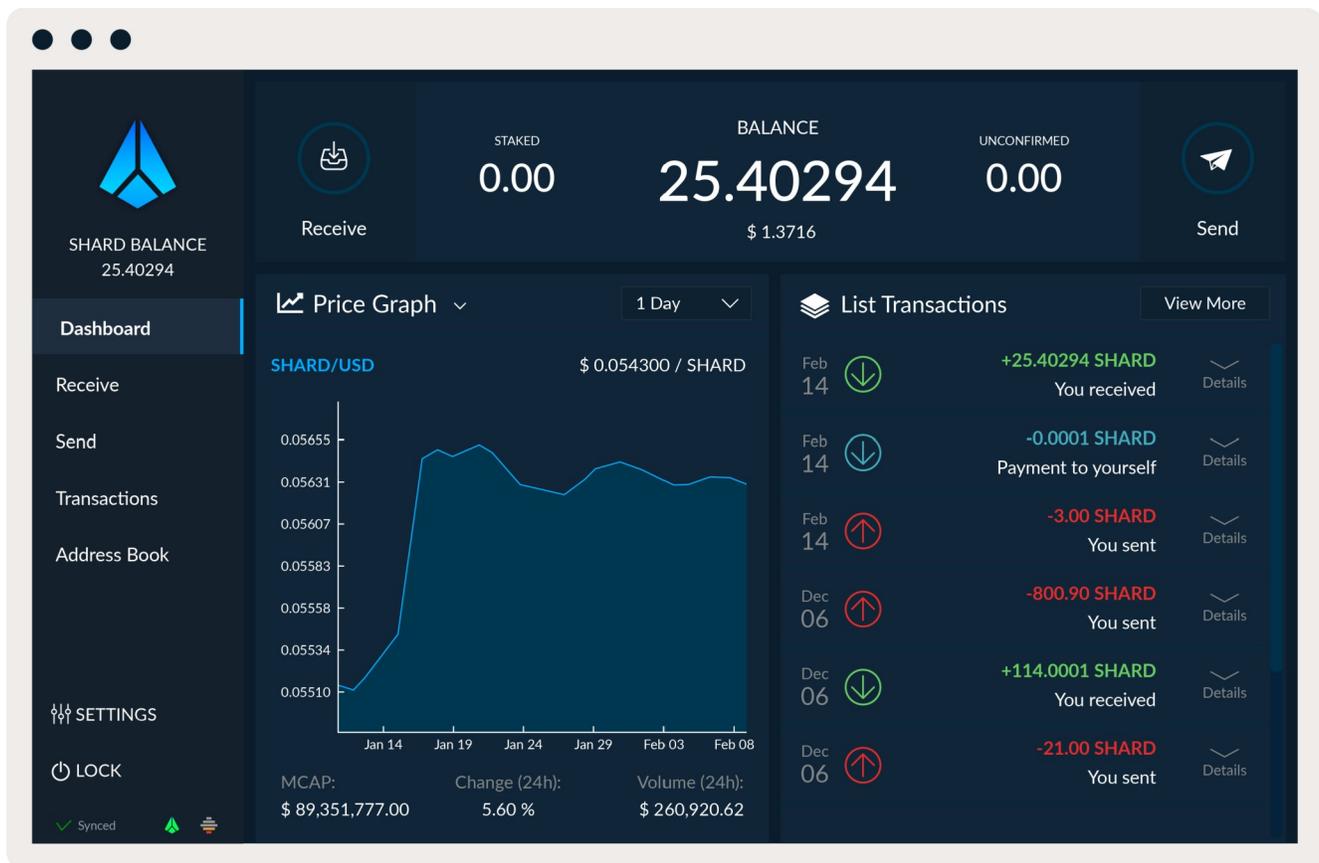
We have already reduced CPU and RAM requirements, as well as minimised the amount of bandwidth required to run the wallet and will continue to minimise resource usage as much as possible. We will always take into consideration the communities opinions and ideas on what features are most needed and wanted.

***Some of these latest updated features can be found below:***

- Automated Stack Targeting this is a new unique feature developed by the Shard team to automate splitting and combining of staked stacks, targeting an optimal balance between network stability and staking speed.
- 77% reduced maximum supply this is more in line with the current supply and better represents Shard's scarcity.
- Stake % changes have been made for a more scalable long term future, estimated to take well over 100 years to reach the new max supply.
- Monitor the Shard price via a multi-timeframe graph, with 5 minute, 15 minute, 30 minute, 1 hour, 1 day, 1 week and 1 month options.
- Monitor your Shard balance via either the Daily or Weekly Graph.
- Monitor your staking gains per Day or per Week
- View Shard price, market cap, 24h volume and 24h % change
- View your total balance in \$USD
- View how much each transaction you send, receive or stake is worth in \$USD
- View a transaction on the block explorer by clicking on the txid
- View your Shard balance for each address on the receive page
- You can once again view estimated potential stakes on the coin control page

- You can now accurately compare your staking weight against the network weight by hovering over the staking icon
- You can now get an estimate of when your next stake will be without needing to go to coin control

Currently Shard has desktop wallets for Windows, Linux and MacOS available from the website, with the Shardax Universal Infinity wallet that is in development and to be launched within the near future. We have also partnered with multiple 3<sup>rd</sup> party services which offer mobile wallets, web wallets and staking options.



New Shard wallet UI with Graph and many other features.

# SHARD COMMUNITY

The Shard community is the heart of this project. Since its inception, individuals in the Shard community have not only shared their ideas and aspirations for this project but they have also guided the direction of the project.

The community started with a small group of early adopters using only Discord and has since grown to well over 70,000 users across social media channels, using mainly Discord and Twitter but also Telegram, Blockfolio, BitcoinTalk and most recently Medium, Reddit and Binance Info.

The community is always active, and there is always a core team member or community member available in the Discord to provide support, or answer questions to help users learn. Our community is very positive and is built up from people who believe in blockchain, support the project, and are non-judgmental and eager to support each other and the success of Shard.

In our efforts to increase community contribution, we will be creating a community development program for the Shard chain. With which we aim to incentivise more community members to take part in Shard's developments and be rewarded for developments on the chain, after they have been proposed and accepted. This will encourage further decentralisation and allow for the community to choose what changes they would like to be applied to the Shard chain.

# SHARD COMMUNITY RESERVE

The reserve has the core purpose to increase market liquidity and reduce volatility. Other uses of the SCR may include funding exchange listings, development and marketing.

The key functions of the reserve can be summarised into the following two roles:

- To provide Shard with additional market liquidity. This makes it more resilient to volatility pressures.
- To counteract inflation by burning excess Shard held in the community reserve. This reduces the circulating supply of Shard.

Shard holders can contribute to the reserves by staking their coins. The newly minted coins will be distributed 80-20 based on the Shard PoS reward split. 80% of the reward will go to the user who originally staked the coins, while 20% will be sent to the reserve address with consensus of the staking majority.

As a cryptocurrency and utility coin, supply and demand decides the value of Shard. If market forces change significantly, the value of Shard may vary. As the SCR aims to reduce volatility, but does not determine the market value.

The Shard held by the reserve address can be observed using the block explorer. The total amount of Shard burned is displayed on the official website, with links to view the individual burns provided. There are future plans to make this reserve fully decentralised so the community can vote on what these funds are used on.

# SHARDAX

## Crypto Exchange & Staking Platform

Shardax is a registered UK company which has multiple large scale projects featuring Shard.

Shardax exchange is a new and unique exchange that combines the advantages of top-tier crypto exchanges, with the ability to earn rewards from your deposited proof-of-stake coins, allowing users to trade and stake all in one place.

Shardax will make it easy to buy all types of leading cryptocurrencies, removing the need to go between multiple exchanges and cryptocurrencies. In the cryptocurrency space at this time, investors must buy coins and tokens from a variety of exchanges to get the coins they want. In contrast, Shardax will make it easy to invest in cryptocurrencies, as investors will be able to trade many cryptocurrencies in one place, including Shard, Bitcoin and other leading cryptocurrencies.

Shardax makes staking your coins a breeze as we understand that knowing how staking works can be difficult for some proof-of-stake holders, as having some technical knowledge is helpful. However, we have made the staking concept more approachable for novice proof-of-stake holders by offering an easy-to-use staking option. Some benefits of staking on Shardax are that once a holder adds their coins to the staking pool, the staking process is fully automated by the pool from that point forward. Your coins will stake without requiring your computer to be running 24/7 saving on electricity costs. Also by combining smaller groups of coins together into a single large pool, every contributor's coins can produce a larger quantity of stake rewards than they would in isolated groups on individual wallets.

## SHARDAX ECOSYSTEM

The Shardax ecosystem consists of 4 platforms in one, and is the only exchange at this time to combine all these features into 1 platform:

- **Advanced Trading Platform**

The Shardax advanced trading interface has been designed specifically to make it easier for all users to trade between digital assets. With our advanced view you will be able to easily trade your digital assets at the best prices, via a Limit, Market or Stop-Limit Order.

- **Instant Trading Platform**

The Shardax Instant Trading Platform will allow users to trade between any cryptocurrency on the exchange without needing to do multiple trades to get the coin they want.

- **Staking Platform**

On the Shardax staking platform users will be able stake their favourite staking coins and receive rewards automatically, while being able to instantly exchange without any hassle or long waiting times.

- **Portfolio Platform**

The Shardax Portfolio Platform will allow users to track their portfolio value and other useful information such as earnings and investments.

## Features Of Shardax

Shardax has multiple features and some of these features are listed below

- **Secure and Reliable**

To keep your account and funds secure we have multiple layers of protection. Most funds will be held in cold storage and wallets will have delegated servers.

- **Limited Verification**

To create an account and begin trading you will only be asked to provide your email address. Verification is only required for large withdrawals over the daily limit.

- **Fast withdrawals**

Withdrawals will be processed within minutes of a request, allowing users to quickly withdraw their funds when they want at very low fees.

- **Privacy**

All our traders information is fully secure and kept undisclosed at all times.

- **Live Support**

You don't have to wait weeks or months to get a response from customer support. Our customer support team works all year and is available on live support 5 days a week and via ticketing 7 days a week.

- **Accessible, low Fees**

On our platform you will never find any hidden fees, all our fees are transparent and displayed on our fees page.

- **Discounted trading fees**

Shard holders can opt to pay their fees in shard at a 50% discounted rate, making Shardax one of the cheapest exchanges to trade on.

- **Clear and Simple Interface**

We have a very clear and easy to use interface that makes trading and using the platform easy for anyone on any device.

- **Community Voted Coins**

We will be holding coin votings which will allow the community to vote for their favourite coin to be listed.

- **Lucrative Referral System**

By inviting users to register and use the exchange you will make a % of their trading and staking fees.

## Shardax Benefits

Shardax offers Shard holders multiple benefits which have been listed below, with more planned in the near future:

- **Discounted Trading Fees**

Receive 50% discount when paying fees in Shard.

- **Main Trading Pair**

Shard will have its own main trading pair, allowing Shard holders to trade directly between any coin on Shardax.

- **Pay for Listings & Services**

You will be able to pay in Shard to list coins on Shardax and also pay for other services such as marketing and ICO listings in the future.

- **Coin Voting**

Use Shard to vote in coin listing battles to get your favourite coins listed on the platform.

- **Dust to Shard**

Users will be able to convert small amounts of coins (Dust) into Shard.

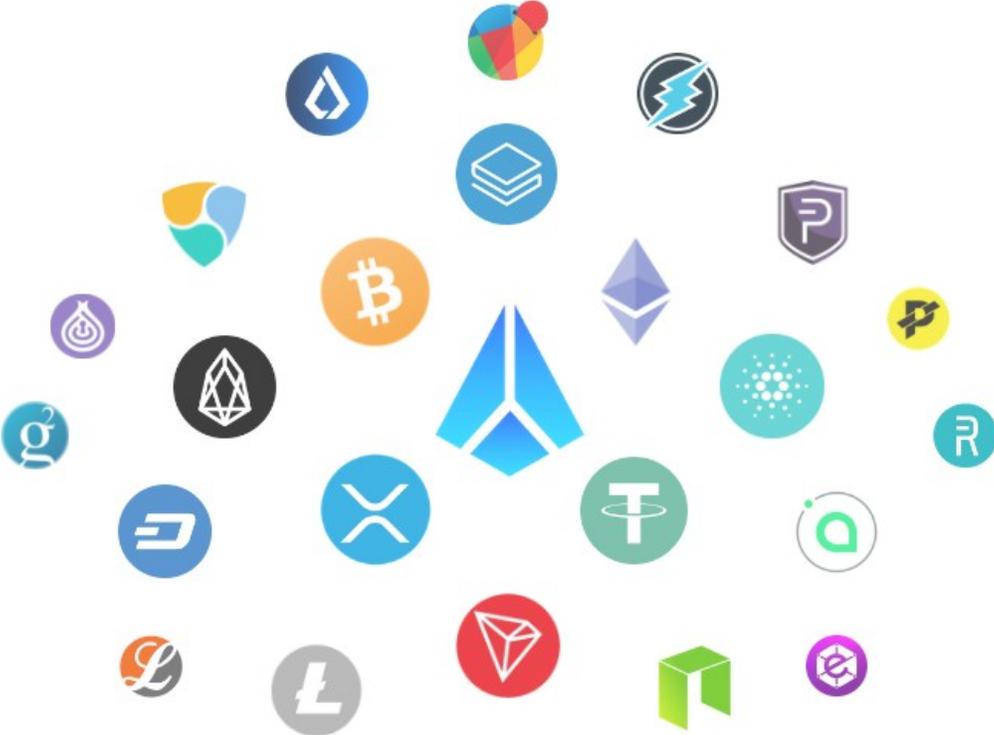
- **Shardax Profit Contribution**

Every quarter Shardax will contribute 20% of its profits to be used for liquidity, buying and burning Shard. This will decrease the existing supply so that coin holders can continuously stake without the worry of inflation.

# INFINITY WALLET

Universal Wallet & Cold Storage

The Infinity wallet will be a mobile and desktop decentralised multi coin wallet where only the user has full control of their keys and assets. It will allow users to hold and trade their coins all within one safe and secure wallet. This means there will be no need to keep track of multiple wallets and private keys anymore.



## Infinity Wallet Features

The Infinity Wallet will have multiple features, some of these features have been listed below:

- **One Wallet 100's of Assets**

With the Infinity Wallet you will no longer require multiple wallets for all your assets, you will be able to hold all your assets on one secure wallet.

- **Only you have access**

Using the Infinity Wallet, you are the only one with access to your assets and their private keys.

- **Next Generation Security**

A 256-bit seed and 24-word mnemonic provides the highest encryption for all of the private keys on your wallet. All your assets are secure and accessible with your seed.

- **Easy to Use**

The Infinity Wallet will have a very simple and easy to use layout which will look great, allowing users to be able to manage their favourite assets at a click of a button.

- **Monitor your Portfolio**

Users will be able to monitor their portfolio allowing them to keep track of the value of their portfolio and other useful information such as earnings and investments.

- **Easy Recovery**

If you have lost access to your wallet, don't worry you can simply restore your wallet using your 24 word mnemonic.

- **Atomic Swap**

The Infinity Wallet will give users the option to trade using an atomic swap feature. This will allow users to trade between one another directly from their secure wallets, without having to trust a third party.

- **Exchange within your wallet**

The Infinity Wallet will allow you to directly trade with the Shardax Exchange and automatically receive your exchanged coins back in your wallet. Allowing you to hold your own funds before and after making a trade. We are also looking to partner with other exchanges to make sure you always get the best price possible.

- **Enable cold storage feature**

Cold storage feature will allow you to transact without exposing your wallet to any elements.

## Infinity Wallet Benefits

The Infinity Wallet offers Shard holders multiple benefits which have been listed below, with more planned in the near future:

- **Discounted Fees**

Receive discount when paying fees in Shard. This will depend on how much Shard you are holding.

- **Access to premium services**

Depending on the amount of Shard you hold you will have access to premium services.

- **Pay for Coin Listings & Services**

You will be able to pay in Shard to list coins on the Infinity Wallet and also pay for other services.

- **Coin Voting**

Use Shard to Vote in coin listing battles to get your favourite coins listed on the wallet.

- **Infinity Wallet Profit Contribution**

Every quarter Infinity Wallet will use 20% of its profits to be used for liquidity, buying and burning Shard. This will decrease the existing supply so that coin holders can continuously stake without the worry of inflation.

# SHARDAX QUANTUM PROJECT

The Quantum Project is one of many projects that have been planned. Details on this project will be released at a later date to protect the idea, with development planned to start in 2020.

# DEV TEAM

Below you will find some of the members which are part of the core development team, however since Shard is open source everyone is part of the team and can contribute to the Shard chain.



**KYAN**  
INVESTMENT STRATEGIST



**ARON**  
DEVELOPER



**JAMES**  
MARKETING STRATEGIST



**EZTIA**  
MANAGER



**SAM**  
DEVELOPER



**ANRI**  
DESIGNER



**CHRIS**  
ADVISOR



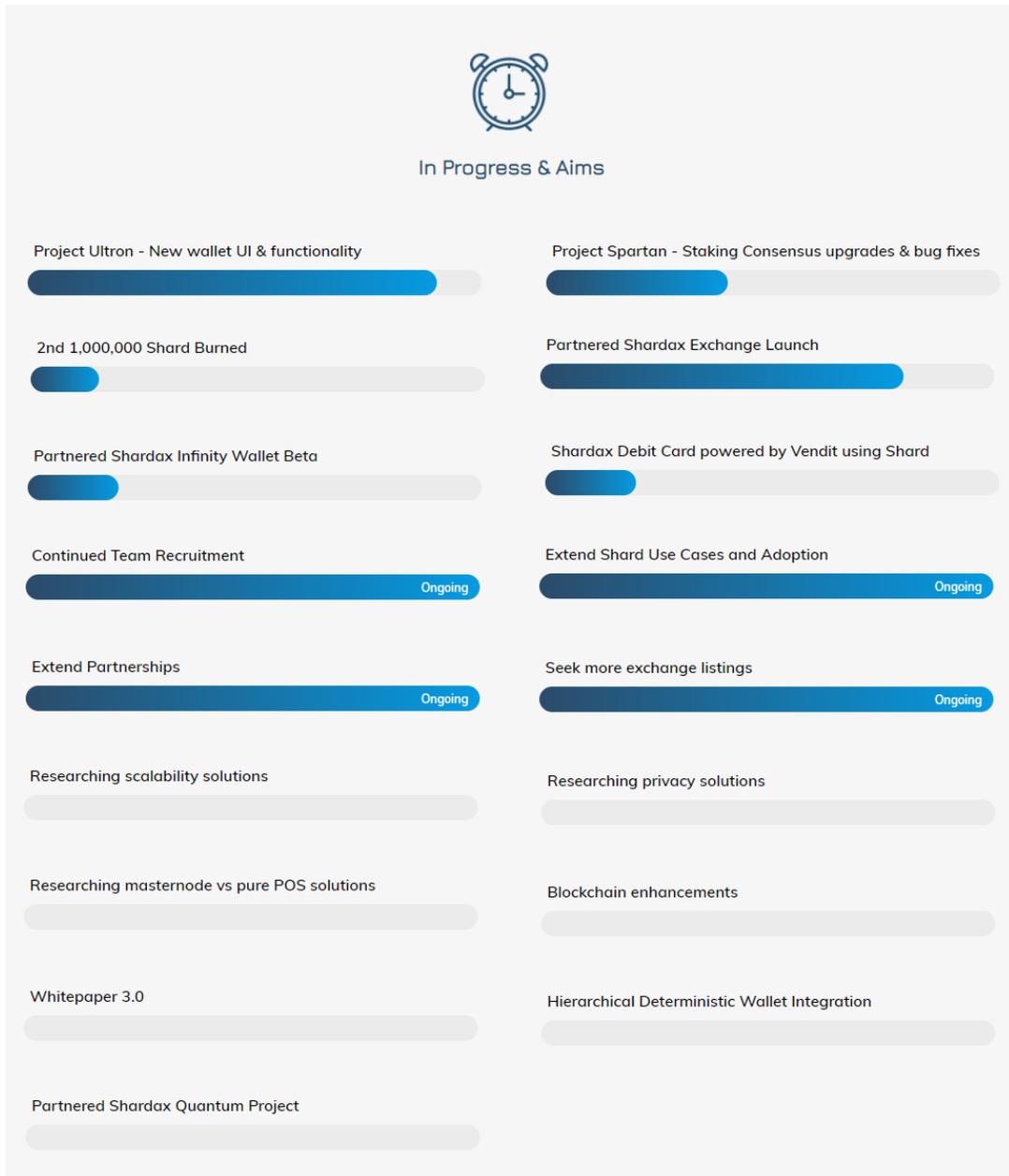
**ABDUU**  
COMMUNITY MARKETER



**JOIN THE TEAM**  
[APPLY NOW](#)

# DEVELOPMENTS

Below you will find some of the current Shard developments. To get the latest and past developments on Shard [click here!](#)



# CONCLUSION

Shard is unique within the cryptocurrency market. How is it different? First, it relies on its main-net blockchain, versus non-blockchain based currencies or those that rely on other blockchains like Ethereum's. As a result, Shard is substantially faster in transaction speed while supporting higher volumes. The architecture uses PoS staking which is more energy efficient as opposed to PoW mining used in coins such as Bitcoin. Additionally the Shard team is looking to make large advancements within blockchain, making an even more unique and scalable blockchain for day to day use.

Shard has use not only as a cryptocurrency, but as a utility coin within Shardax projects. Both Shardax with their 20% profits for liquidity, buying and burning Shard and the Shard Community Reserve assist with market liquidity and coin burns. Fewer Shard in supply will allow continued staking of new coins, promoting higher staking participation; fundamental to maintaining the blockchain.

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## **SHARD IS NOT A SECURITY**

User acknowledges, understands and agrees that Shard coins are not securities and are not registered with any government entity as a security, and shall not be considered as such, Shard is a cryptocurrency and utility coin. User acknowledges, understands, and agrees that ownership of Shard does not grant the user the right to receive profits, income, or other payments or returns arising from the acquisition, holding, management or disposal of, the exercise of, the redemption of, or the expiry of, any right, interest, title or benefit in the Shard or Shard Platform or any other Shard property, whole or in part.

## **LOCAL LAW OBLIGATIONS**

It is solely the responsibility of the user to comply with all local laws in relation to the legal usage or purchase of Shard under their local jurisdiction. You shall be fully responsible for reviewing and identifying the requirements of your local laws and regulations to ensure you are legally using or purchasing Shard and not in breach of your local laws. We shall under no circumstances be held liable for the violation of any local law.

# **Want to find out more about Shardax ?**

**[Click here to visit Shardax Information Doc](#)**



**SHARD**

[www.shardcoin.io](http://www.shardcoin.io)