



QuickX

WHITEPAPER-v1.8

Table of Contents

1	Overview.....	3
2	Company Behind QuickX.....	4
3	The Problem.....	5
	3.1 TimeandSpeed.....	5
	3.2 Transaction Cost.....	5
	3.3 Scalability.....	5
	3.4 Cross-ChainTransfers.....	6
4	The Solution.....	6
	4.1 QuickX Protocol – a Patent-pending Technology.....	6
	4.2 How it Works – On chain vs. Off chain Transactions.....	7
	4.3 TransactionFacilitators.....	8
	4.4 Pooling Facilitators.....	9
	4.5 Uniqueness QuickX as a Cross-Chain Transfer Mechanism.....	10
	4.6 Competitive Analysis.....	11
	4.7 Advantage of QuickX Users.....	13
	4.8 Advantages for QCX Token Holders.....	13
5	System Components and their Applications.....	13
	5.1 Multicurrency Wallet.....	13
	5.2 Multicurrency Debit Card.....	14
	5.3 Cryptocurrency Swap.....	15
	5.4 Payment Gateway.....	15
6	Cryptocurrency Market.....	16
	6.1 Factors Affecting Cryptocurrency Growth.....	16
	6.2 Market for QuickX.....	17
	6.3 Target Segments.....	17
7	Token Economics.....	18
	7.1 Token Supply and Distribution.....	18
	7.2 Token Price.....	18
	7.3 Use of Funds.....	18
	7.4 Use of QCX Tokens.....	19
8	Development Roadmap.....	20
9	Team.....	21
	9.1 Advisors.....	22
	9.2 South Korean Partners.....	22
10	Conclusion.....	23
11	Disclaimer.....	23

1 Overview

QuickX is an innovative, decentralized platform that is intended to provide effective solutions to some critical problems with blockchain technology. These include time, cost, scalability, and cross-transfer of blockchain assets, while making cryptocurrencies suitable for mass adoption in day-to-day transactions, at the same time providing solutions to enterprises.

Similar to traditional electronic transfer mechanisms, QuickX provides instant, seamless transfer of different cryptocurrencies between two parties. This transfer occurs without users having to pay a high network fee; the utilization of pooling facilitators who facilitate cross-chain transactions instantaneously, drastically reduces the costs.

QuickX features a multicurrency wallet, a multicurrency debit card, a cryptocurrency swap option, and a payment gateway using the QuickX Protocol. These features make cryptocurrencies viable in non-virtual global transactions suitable for the masses.

Although it is unlikely that blockchain ecosystems will replace traditional banking systems altogether in the near future, they represent a significant threat to the traditional banking system. Before the cryptocurrency space can reach a stage that allows it to substitute, if not complement, the banking system, it has a number of problems to overcome. These problems are discussed in the sections ahead.

2 Company Behind QuickX

QuickX is a project of **Secugenius**, a leading cybersecurity company established in 2010. Its global operations are part of a mission to help businesses fight cybercrime, protect data, and reduce security risk. It provides information risk assessment and digital security services. Within its first two years of operation, Secugenius was able to attract a clientele of over 200 companies from around the world.

Silicon India named Secugenius one of the top five cybersecurity companies in 2015, and one of the top five cyber forensics companies in 2016.

Secugenius started its research into blockchain technology in 2016, and later came up with the concept behind the QuickX platform. This was followed by a patent application for the QuickX protocol. In Q3 2017, it successfully raised USD 1.2 million from a group of angel investors to develop the QuickX platform.

In 2017, Secugenius was named one of the fastest growing technology companies , along with one of the ten most trusted technology companies , by Insights Success Magazine. The most prominent recognition for the Secugenius team was an award for innovation by the Vice President of India, in September 2017.



Figure(2.0): key clients of Secugenius

3 The Problem Statement

QuickX identifies the following problems, within existing blockchain ecosystems that can hinder the mass adoption of blockchain assets as a medium of exchange for day-to-day transactions:

3.1 Time & Speed

Blockchain transactions are recorded in the blockchain as blocks. Most blockchain protocols have a limited block size, and take a certain amount of time to generate a block. For instance, Bitcoin blockchain takes an average of 10 minutes before a transaction receives a network confirmation. Ethereum takes 10 to 19 seconds.

This places technical limits on the number of transactions that the blockchain can process per second. For instance, Ethereum can process 20 transactions per second while Bitcoin manages just 07 transactions per second. Conversely, most traditional centralized systems are much faster than decentralized systems. For example, Paypal manages 193 transactions per second¹, and Visa can manage up to 56,000 transactions per second².

3.2 Transaction Cost

One way to reduce these transaction fees is to remove the intermediaries. This doesn't eliminate transaction fees altogether; even if intermediaries are removed from a blockchain transaction, there will still be a transaction cost involved in the process.

The nodes in a blockchain ecosystem offer computer processing power to service the network, and need to be compensated in exchange for their service – typically in cryptocurrency. This gives rise to transaction fees. Although blockchain transaction costs are lower than those of the banking system in most cases, they can still be a significant amount depending on the blockchain type, and the urgency of the transaction. For instance, current Bitcoin fees per transaction range from USD 20 to USD 30 while Ethereum fees per transaction range from USD 2 to USD 3.

3.3 Scalability

Almost all blockchain protocols, be it Bitcoin, Ethereum, or Ripple, have one common limitation in scalability: each node or the computer on the blockchain needs to process every transaction. This requires each node to possess and maintain a copy of the entire ledger. Although decentralization is a key blockchain concept that results in many benefits such as removal of intermediaries, permanence, security, and transparency, it comes at the expense of scalability.

Scalability in traditional database systems can be easily solved with more computing power by adding more physical server computers. In the case of a decentralized system, each of the multiple processing nodes would, in theory, require more physical components to increase computing power.

Scalability on this level is impractical; expanding the blockchain would increase the need for processing power, storage, and bandwidth at each node, and not all fully participating nodes may be able to cope with the increased requirements.

¹<https://mybroadband.co.za/news/banking/206742-bitcoin-and-ethereum-vs-visa-and-paypal-transactions-persecond.html>

²<https://mybroadband.co.za/news/security/190348-visanet-handling-100000-transactions-per-minute.html>

³<https://bitinfocharts.com/comparison/ethereum-transactionfees.html>

3.4 Cross Chain Transfers

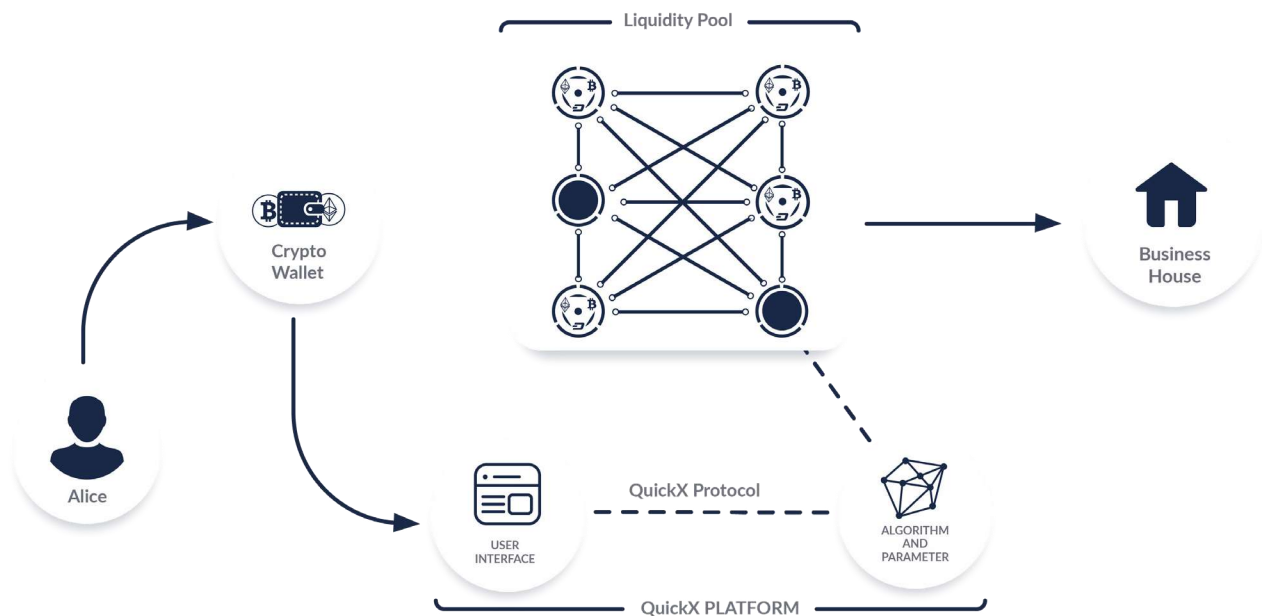
Due to different blockchains having different protocols, there are limited ways in which communication between two can take place. For instance, should a sender who owns crypto assets in the Bitcoin blockchain want to transfer assets to a receiver on the Ethereum blockchain, the sender would first need to convert the Bitcoin crypto assets into Ethereum crypto assets. At that point, the sender may be required to transfer the Ethereum crypto assets to a wallet that supports it. Only then will the sender be able to transfer the assets to the receiver. This process is often tedious, time-consuming, and costly.

It is often said that connecting different blockchains would be key to mass adoption of blockchain ecosystems that is comparable to forming internet in the 1990s by connecting different intranets through TCP/IP protocol.

4 The Solution

4.1 QuickX Protocol – A Patent-Pending Technology

QuickX aims to solve above the problems by building a decentralized platform that provides a solution to time, speed, cost and scalability by doing the transactions off the chain for same crypto assets and having pooling facilitators who are providing liquidity for cross-chain transfer of crypto assets.



Figure(4.1): Hawkeye view of QuickX platform

We propose to build a backend exchange, and to provide payment API's that instantaneously convert users' cryptocurrency in a cryptographically secure manner.

QuickX aims to change the status of cryptocurrency from a share-like object to real, spendable currency that appeals to the masses. It provides an instant payment option for the users while opening up new untouched segments of business for the pooling facilitators, as discussed later in this document.

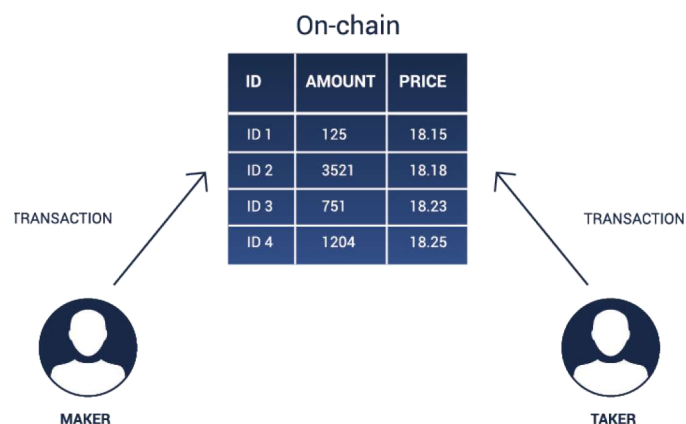
In real-world applications, QuickX provides transfer of blockchain assets of different blockchain protocols between two parties instantly, just like traditional electronic transfer mechanisms. Additionally, it will provide a decentralized, cheaper method for people to buy goods and services using their cryptocurrencies.

4.2 How it works – On Chain vs. Off Chain Transactions

Currently, should a user want to transfer cryptocurrency, the user must wait until the transaction is confirmed by the blockchain. This wait time can be anything from minutes to hours, depending on the network load. QuickX overcomes this problem by setting up a decentralized off-chain transaction network, where cryptocurrencies can be instantaneously transferred from one person to another.

In the case of a typical on-chain payment platform, a transaction goes through following steps :

1. The first party (maker) adds an offer
2. Smart contract takes the relevant tokens to into escrow
3. The second party (taker) picks the offer
4. Maker sends requested tokens
5. Taker receives the offered tokens



Figure(4.2)a: On-chain payments

The proposed QuickX platform's off-chain solution will allow :

- Thousands of transactions per second, with no requirement of confirmation;
- Very low commissions, which will allow micro-payments;
- Instant payments, as users do not have to wait for the miners to confirm;
- The ability to swap/exchange cryptocurrencies instantaneously

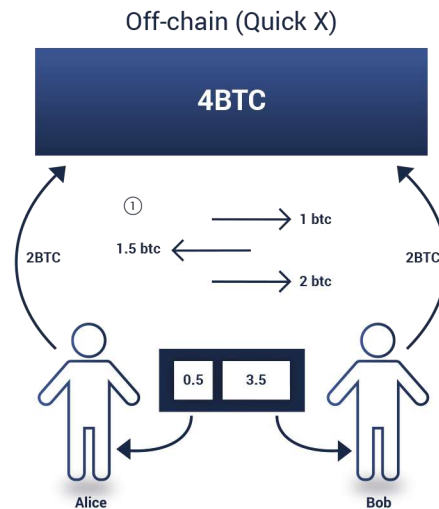
In particular, the low transaction costs arise due to the creation of external channels off the chain between two people who want to exchange cryptocurrencies.

It works as follows: at the beginning, both users insert an amount to open a channel, or a 'common fund', which is managed off-chain. Everything that happens through this channel until it is closed, does not appear on the blockchain and therefore, it need not be written in the blocks. Therefore, it does not need the miner's confirmation, and users do not have to pay the node-based transaction fees.

The QuickX transaction process is described with the following example involving two users, Alice and Bob:

1. Alice and Bob decide to open a common pooling channel in which they put 2 BTC each.
2. This channel gets subscribed on blockchain containing 4 BTC and since at this moment, every exchange between Alice and Bob is off-chain.
3. Alice decides to transfer 1 BTC from common pool to Bob. She performs a commitment transaction from the common fund, which she signs.
4. Bob decides to send 1.5 BTC from the pool to Alice, and proceeds with similar process.
5. Alice decides to further send Bob 2 BTC, and proceeds once again with the commitment transaction process.
6. At the time the channel is closed, Alice and Bob will have 0.5 BTC and 3.5 BTC respectively..

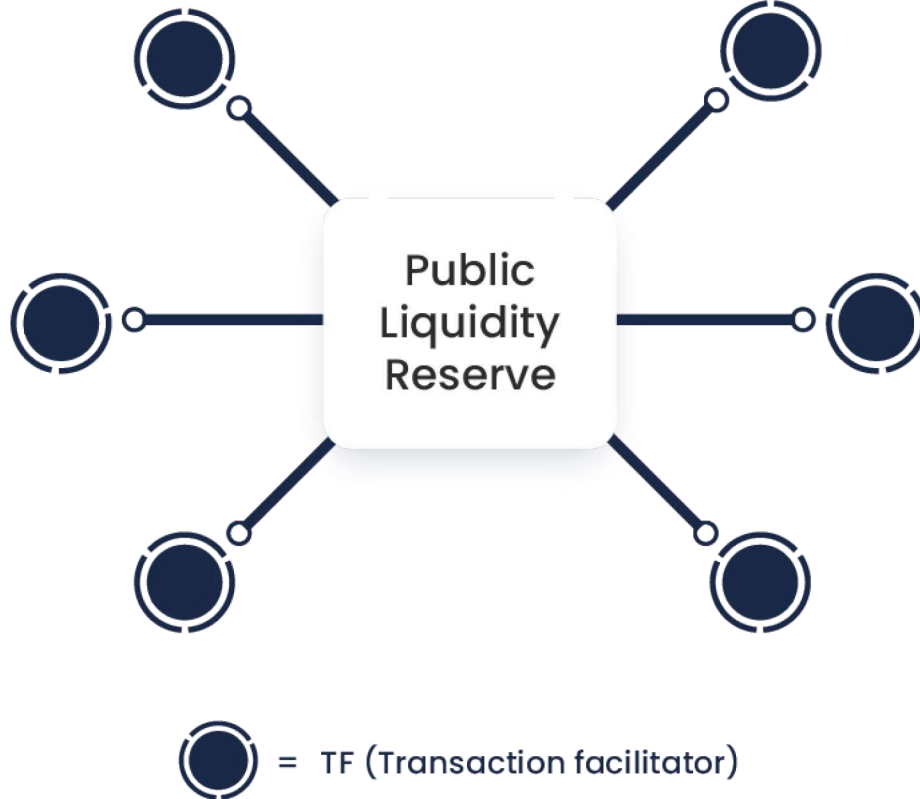
Each transaction in the outlined process is completed instantaneously, just like a traditional electronic payment system. In addition, every operation is done off-chain. Therefore, the implementation of QuickX resolves scalability and cost problems that prevent crypto assets to be used as world currency.



Figure(4.2)b: Off-chain payments QuickX

4.3 Transaction Facilitators

Transaction facilitators maintain the off-chain order book, and charge negligible fees for maintaining these records. They approve transactions such as conversion from ETH to EOS, or TRX to ETH. The transactions are negotiated off the chain. Only once the trade is complete, the on-chain settlement take place. Anyone without the liquidity can become a transaction facilitator, and can earn transaction fees by maintaining the offchain order books.



Figure(4.3): Transaction Facilitators

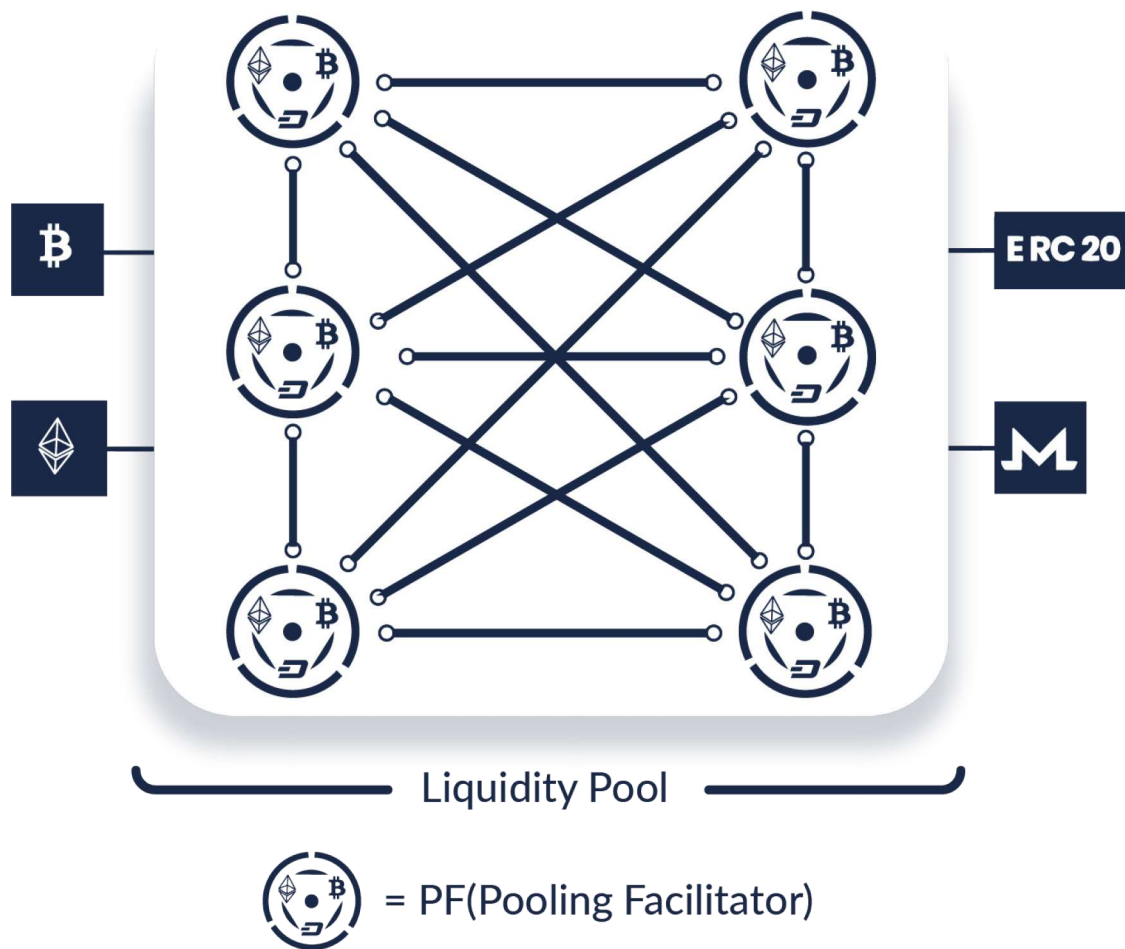
Transaction facilitators and decentralized exchanges –

Given the way transaction facilitators function within the QuickX protocol, it would be quite beneficial for existing decentralized cryptocurrency exchanges like EtherDelta, Ox etc. to become part of a larger ecosystem, which would help them significantly increase their market reach.

4.4 Pooling Facilitators

The backbone of QuickX's interoperability lies in its pooling facilitators. As shown in Figure 4.4, pooling facilitators enable instant interconnection among different blockchain protocols such as Bitcoin, Ethereum, Monero, Dash, or any ERC20 token, through the use of a liquidity reserve.

They infuse the necessary liquidity into the ecosystem while facilitating the cross-chain instant fund transfers. A pooling facilitator in the liquidity pool can make transactions for users and can ask for a loan from any other pooling facilitator within the pool. The QuickX pooling facilitator position is open to anyone with a good liquidity reserve.



Figure(4.4): How QuickX achieves instant inter-chain transactions

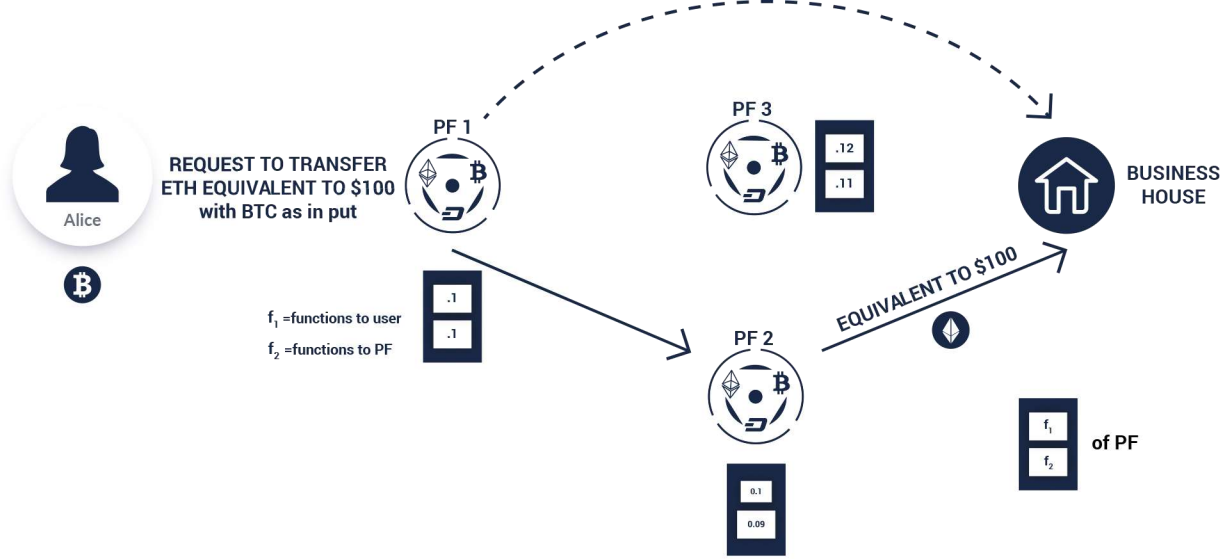
4.5 Uniqueness of QuickX as a Cross-chain Transfer Mechanism

The uniqueness of QuickX lies in its ability to make cross-chain transactions instantaneously with the use of pooling facilitators. This fulfills a long-felt need for the crypto world: connecting different blockchain protocols so that they may communicate with each other.

QuickX offers the following advantages over Comit⁴, a network that attempts to achieve a similar mission with the use of liquidity providers forming an off-chain transaction network:

- A larger liquidity pool, as anyone with a suitable liquidity reserve is qualified to be a pooling facilitator, while retaining the decentralized nature of the platform
- Pooling facilitators can lend to other pooling facilitators, resulting in greater efficiency
- Faster execution of transactions through a more intuitive and user-friendly interface

⁴ www.comit.network



Figure(4.5): Transaction involving a loan from another pooling facilitator

1. Alice needs to pay Business House ETH equivalent to \$100 but he has only BTC in his wallet.
2. Alice raises a request for ETH equivalent to \$100 with PF1, as PF1 has the best $f_1(0.1)$ for a transaction involving ETH.
3. PF1 does not have the ETH equivalent of \$100, and raises a loan request with PF2.
4. PF2 processes the loan, and PF1 is charged PF2's f_2 , which is 0.09% of the transaction amount.
5. Equipped the appropriate amount, PF1 can now process Business House's request.
6. Business House is paid ETH equivalent to \$100
7. PF1 earns the difference of his f_1 and PF2's f_2 ($0.1 - 0.09 = 0.01$), PF2 gets his ETH sold with 0.09 as fees and Alice has to pay only 0.1 as fees.

It is clear that due to the nature of f_1 and f_2 . In this scenario, Alice, PF1, and PF2 make a profit. Therefore, in this instantaneous transaction, PF 's, user and Business house are benefitting.

Every pooling facilitator defines functions f_1 and f_2 for different currency combinations. For instance, f_1 and f_2 for BTC|ETH may be different from f_1 and f_2 for BTC|DASH.

4.6 Competitive Analysis

An extensive analysis of existing protocols and propositions was conducted in order to pinpoint the characteristics that an all-encompassing protocol should have. The QuickX specifically targets weak points in these protocols.

Our main competitors include the Kyber Network and the 0x protocol, which are based on propositions for decentralized exchange and on-chain services. They include facilities such as reserve pools and reserve contributors, and give a provision for predefined exchange rates. Their system components include a user's wallet, smart contract, reserve manager portal, and operator dashboard.

QuickX provides more system components, such as debit cards, which provide direct accessibility of funds from the wallet, and pooling facilitators, which can work both offchain and on-chain.

For users to get liquidity in the form of any token, the Kyber Network only invites reserves to join their network. However, QuickX invites both reserves and pools.

QuickX users respective dashboards will display details of all the rates, and provide a means to manage portfolios.

When it comes to security issues such as pumping and dumping or malicious attacks on the platform, the Kyber Network proposes background monitoring. When an attack is detected, the process is halted. QuickX, on the other hand, used an off-chain protection mechanism for security from such kind of activities.

QuickX excels in other value propositions such as speed, control over operation, interoperability, costs, operation scalability, and more as well. A comparison of values was conducted against existing systems such as Shapeshift and Centralized Exchanges. The result of this analysis is summarized in Table 4.6a.

Feature	QuickX	0x	Kyber Network	Shapeshift	Centralized Exchanges
Transaction Security	Based on Cryptography	Based on Cryptography	Based on Cryptography	Based on Trust	Based on Trust
Transaction Speed	Instant	Slow	Faster	Slow	Fast
Control over operation	Decentralized	Decentralized	Decentralized	Centralized	Centralized
Interoperability	High	Medium	Medium	---	---
Operational scalability	High	Low	Medium	Low	Low
Transaction costs	Near zero	Sometimes very High	Low	High	High
Security From Attacks	Very Secure	Vulnerable to DOS attacks	Secure	Not secure	Not secure

Table 4.6(a): Comparison of performance values between QuickX and existing systems

4.7 Advantages for QuickX Users

QuickX can be easily used for C2C, B2C, and B2B transactions. For instance, QuickX enables a customer to use any cryptocurrency to make purchases online or offline just like other electronic payment methods.

- **Lower costs for users:** The least cost option is selected by default for users by the algorithm. The transaction costs are expected to reduce over time when more and more pooling facilitators join QuickX. It is possible that in the near future, the costs become almost zero.
- **Instantaneous transactions:** Transactions are made instantaneously regardless of the amount, irrespective of whether they are cross-chain.
- **Multi-cryptocurrency:** Users can hold any QRP-compatible blockchain asset and can convert it to another cryptocurrency at any time.

- **Investment opportunity:** Pooling facilitators can earn by investing in QuickX. In addition, large-scale investors can lend money to the analyst team and earn a profit; cryptocurrency managers can work on behalf of other pooling facilitators and earn a profit. Pooling facilitators are paid for every transaction and operational costs are next to zero. QuickX is committed to providing equal opportunities to participants in the ecosystem.
- **Negligible operating costs:** Actual transaction costs are expected to become negligible since transactions are not added to the blockchain under normal circumstances.
- **A global market:** QuickX can expand globally without the need of any physical presence. This can open the door to new markets that are not currently touched by traditional systems.
- **Potential for new services:** Similar to the internet paving the way for many new business models, QuickX could also be used for innovations by visionary entrepreneurs that could bring unforeseen advantages to communities.
- **Trust and security:** Pooling facilitators perform all transactions in a decentralized manner. However, the core infrastructure of QuickX remains blockchain, and the users themselves hold private keys of the crypto assets.
- **Total control:** Users have full control over their crypto assets.

QuickX features a multicurrency wallet, a multicurrency debit card, a cryptocurrency swap option, and a payment gateway using QuickX protocol, the applicability of which in the real world is discussed below.

4.8 *Advantages for QCX Token Holders*

In addition to the above benefits, following extra benefits are available exclusively for the token holders:

Cashback loyalty program: QuickX card customers earn up to 2% cashback on total transaction value on every purchase. This is an exclusive loyalty program for token holders, which is much better than most of the regular card loyalty programs.

Zero Card Issuance Fees: Card issuance fees will be waived off for the participants in the token sale, allowing them to have QuickX cards for free. In addition, token holders will be given priority in issuing the cards with free expedited shipping.

5 *System Components and their Applications*

5.1 *Multicurrency Wallet*

The QuickX wallet provides secure storage of cryptocurrencies. It is a multicurrency wallet that supports both cryptocurrencies and fiat currencies.

The wallet is accessible from both web browsers and mobile apps. The Android version of the app is already developed and is being tested. Users are able to send and receive funds

to and from user wallets in an ultra-fast, secure user interface. The wallet is seamlessly linked to a debit card as discussed in the following section. Any transactions made with the debit card will be reflected in the wallet in real-time. Users can also see the value of crypto assets in fiat currency like USD, EURO, etc.

The QuickX protocol is implemented in a cryptocurrency wallet that offers many features:

- Multicurrency support
- Negligible exchange fees for any kind of transaction
- Web access and mobile access via android/iOS devices



Figure(5.1): Multicurrency crypto wallet

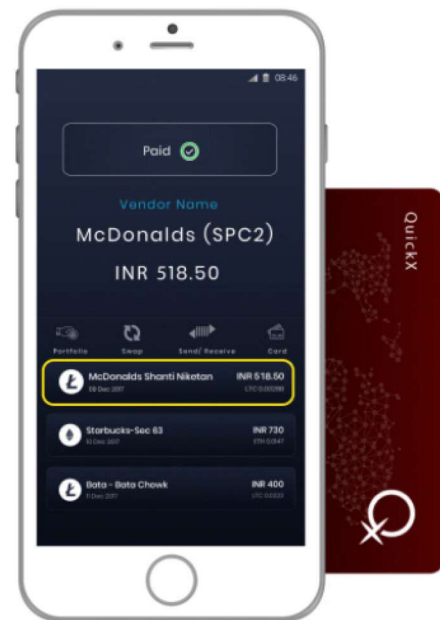
5.2 Multicurrency Debit Card

The QuickX crypto-debit card allows the user to not just increase the value of the money invested in the various cryptocurrencies, but also spend it, while on the go. With this card, the user spends cryptocurrency just like fiat currency, hassle-free.

The QuickX crypto-debit card is a physical, international debit card, that can be used online or offline to make transactions instantly with cryptocurrency. The card is already in the testing phase. As of January 2018, it has successfully executed transactions worth over USD 100,000 with merchants in different countries. QuickX also intends to provide a virtual debit card, which can be used globally.

Features of the debit card:

- Multi-currency support with over 10 cryptocurrencies
- Global acceptance
- 24/7 real-time instant processing
- Loyalty program with 2% cash back
- ATM withdrawal in fiat currencies



Figure(5.2): QuickX Debit card

5.3 Cryptocurrency Swap

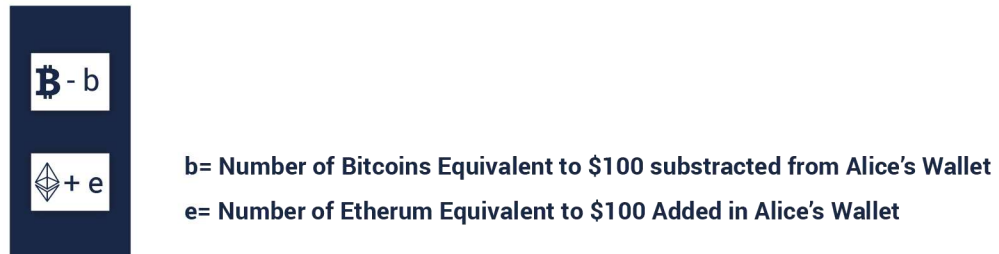
The QuickX protocol enables the swapping of cryptocurrencies instantaneously and safely with negligible fees. For instance, a user can exchange Bitcoins to ETH instantaneously at the market rate. This makes QuickX viable as an exchange platform.

Unlike traditional crypto exchanges, QuickX makes the swap at the click of a button on the app. With a higher level of liquidity through the decentralized pooling facilitators, QuickX offers the most competitive rates in the market for swapping cryptocurrencies. All the cryptocurrencies supported in the debit card will also be available for the swap option.

BEFORE



AFTER



Figure(5.3): The QuickX platform as an exchange

Figure 5.3 demonstrates the exchange process in the QuickX platform. Alice wants to exchange her Bitcoin to Ethereum. Alice provides the Bitcoin equivalent to \$100.1 and receives back the Ethereum equivalent to \$100 instantaneously, with no waiting time, and negligible cost.

5.4 Payment Gateway

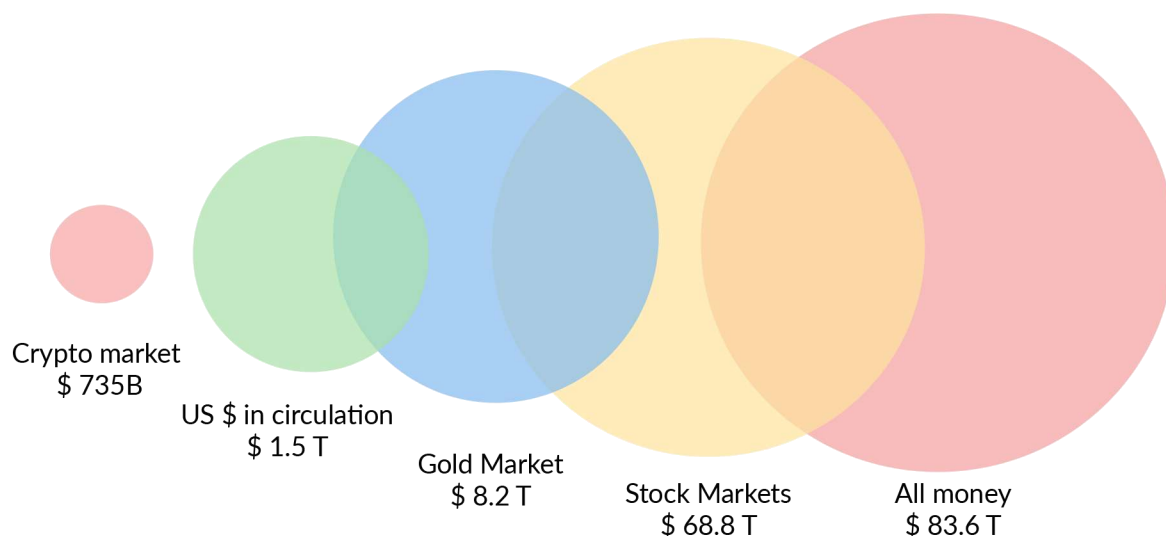
QuickX offers a payment gateway for merchants that can be used to accept customer payments in cryptocurrencies instantaneously, similar to other online payment gateways. This enables merchants to expand their reach with new customers who are willing to make purchases with their cryptocurrencies. QuickX provides the tools and technical guidance to easily integrate and customize the payment gateway with popular e-commerce platforms such as Woocommerce, Magento, Prestashop, and OpenCart. The gateway will support over ten popular cryptocurrencies at launch, and will expand to include more over time. The money received through sales is reflected in the merchant's wallet in real-time with an option to directly withdraw into bank accounts in fiat currencies, or convert it to another cryptocurrency of the merchant's choice.

- Zero chargeback
- Top-level security and anti-fraud process
- Intuitive and user-friendly check-out process
- Flat 0.5% settlement fee
- Direct bank deposits in fiat currencies
- Advanced analytics for merchants

6 Cryptocurrency Market

Bitcoin is still the leading cryptocurrency in terms of market capitalization. However, other cryptocurrencies are fast eating into Bitcoin's market share. For example, the Bitcoin market cap accounted for 86% of the total crypto market in March 2015 but dropped to 72% in March 2017. Ether (ETH), the native cryptocurrency of the Ethereum network, has become the second largest cryptocurrency in terms of market cap. The combined "other cryptocurrency" (also known as "altcoins") category has doubled its share of the total market capitalization from 3% in 2015 to 6% in 2017⁵.

The increase of cryptocurrencies and their market caps will naturally increase the need and demand for cross-chain transfers.



Figure(6.0): Crypto market as compared to other markets

6.1 Factors Affecting Cryptocurrency Growth

The growth of the cryptocurrencies is driven by several factors:

- Popularity in ICOs: The popularity of ICOs as a means to raise funds is one of the main reasons for cryptocurrency growth. For instance, start-ups raised to \$5.6 billion₆ through ICOs during 2017.
- Increasing adoption: People are getting more familiar with cryptocurrencies while businesses are also accepting cryptocurrencies as a means of payment.

⁵ Global Cryptocurrency Benchmarking Study 2017 by Dr Garrick Hileman & Michel Rauchs

- Institutional entrants into cryptocurrency: There are growing number of hedge funds investing in cryptocurrencies. Currently, there are more than 50 hedge funds investing in cryptocurrencies as per the data provided by a Fintech analytics firm reported on by Business Insider⁷.
- Changing investor perception: Investors are getting more aware of the fact that crypto assets are safer, more secure, and easier to use.

Since QuickX protocol solves all major problems which are hindering the mass adoption of blockchain asset, it is a must-have solution for any blockchain protocol to integrate regardless of the type. Additionally, it is a must-have for any crypto asset holder, and any merchant who accepts cryptocurrency payments. QuickX opens up a completely new business opportunity for those who can provide liquidity as pooling facilitators. QuickX's total addressable market (TAM) is as large as the total market cap of all cryptocurrencies, which is currently worth US\$ 735 billion.

6.2 Target User Segments

QuickX's potential market segments can be the following:

- **Different blockchain protocols:** Compatibility with the QuickX protocol can be a huge advantage for any blockchain protocol, since it provides a means for cross-chain communication. QuickX is expected to create one large network of different blockchain protocols.
- **Different blockchain wallets:** All the blockchain asset wallets that use three basic functions, Hashlock, Timelock, and multisig, are compatible with the QuickX protocol. Compatibility with QuickX can largely increase the interoperability of different wallets.
- **Enterprise solution:** With the rapid growth of cryptocurrencies, the demand from merchants to accept payments in cryptocurrency will naturally increase, as it provides access to a new customer segment. QuickX can be the ideal solution for this need.
- **Individuals who receive and make payments in cryptocurrency:** This is probably the largest market segment for QuickX. These retail users can use QuickX to make purchases and send payments to other users. Cross-chain transferability and the debit card would make QuickX ideal for their requirements.
- **Individuals and businesses who are likely to become pooling facilitators:** This is a new market segment. Individuals, businesses, and existing cryptocurrency users with the ability to provide liquidity can become pooling facilitators. Existing cryptocurrency users and high volume traders would be ideal initial targets for this segment.
- **Individuals who are transactions facilitators:** This segment deals in facilitating the transactions on blockchain. As at time of peak of transactions, These people can use QuickX protocol to facilitate blockchain transactions.

⁶<http://uk.businessinsider.com/how-much-raised-icos-2017-token-data-2017-2018-1>

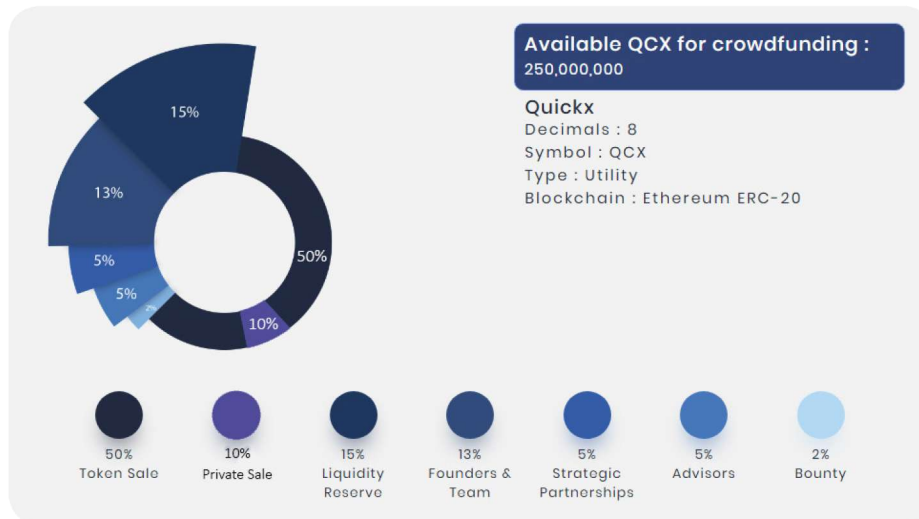
⁷<http://www.businessinsider.com/bitcoin-price-surge-leads-to-growth-in-hedge-funds-2017-8>

7 Token Economics

QuickX will issue an Ethereum ERC-20 token in order to raise funds for the development of QuickX platform. The token is to be listed for trading on all major exchanges soon after the Token Sale.

7.1 Token supply and distribution

QuickX token (Symbol: QCX) will have a total supply of 500 million tokens distributed as follows:



Founders' tokens will be under vesting in the smart contract for 18 months (20% will be released after 3 months of Token sale completion, 20% after 6 months, another 20% will be released after 9 months, another 20% will be released after 12 months and finally another 20% will be released after 18 months).

Advisors tokens will be vested for 1 year (20% will be released after a token sale, 20% will be released after 3 months of Token sale completion, 20% after 6 months, 20% will be released after 9 months, 20% after 12 months).

7.2 Token Price

The price of QCX token will be dependent on the phase you buy it. Only ETHEREUM can be used to purchase the tokens.

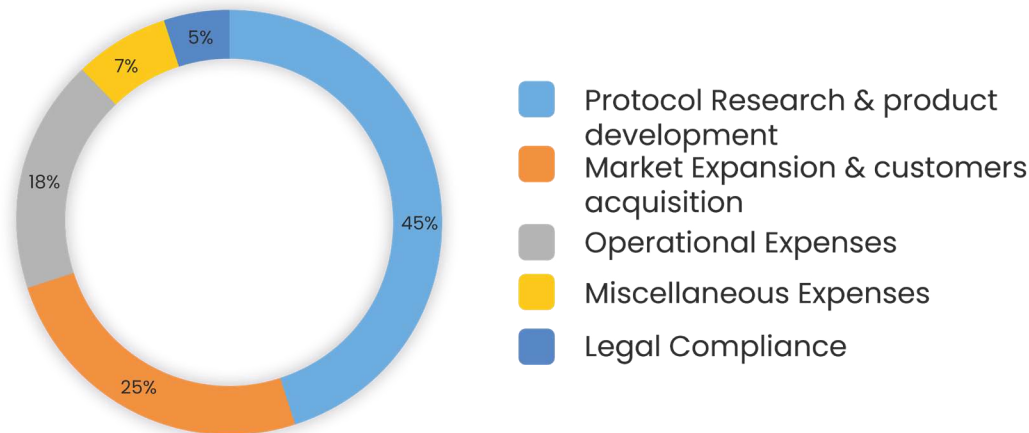
Public Sale Hardcap: 43,333 ETH

Phase	Distribution	QCX Tokens/ETH
Phase 1	70%	7500
Phase 2	20%	5000
Phase 3	10%	2500

7.3 Fund Allocation or Use of funds

The funds raised are to be utilized in the following manner:

- **Protocol research and product development:** 45% will be allocated for the development of the platform and building up the initial liquidity pool
- **Market expansion and customers acquisition:** 25% of the funds are to be spent on marketing and promotions to get the platform popularized across the target market segments with an expected viral spread.
- **Operational Expenses:** 18% will cover expenses such as salaries and wages, utilities, office rent, and other general administrative costs
- **Miscellaneous Expenses:** 7% of the funds will be allocated for future research and development of the platform, which is expected to improve the product width and depth.
- **Legal Compliance:** 5% is expected to cover legal and compliance costs



7.4 Use of QCX tokens

The QCX token can be used as the fuel for every transaction done using the QuickX platform, whether it is off-chain transactions within a blockchain, or cross-chain transactions using pooling facilitators. All transactions that take place on the QuickX platform need QCX to be paid as transaction facilitation fees.

The total collected fees will be shared between the partners, wallets, decentralized Exchange who are facilitating the transaction, and the QuickX reserved liquidity pool. The collected QCX tokens in the reserve liquidity pool will be burned and will be taken out of circulation.

Table: Use of QCX tokens

How to acquire QCX tokens	How to spend QCX tokens
Purchase into token sale	Sell at an exchange after being listed
Purchase at an exchange after being listed	Pay transaction fees on the platform
Receipt by transaction facilitators and pooling facilitators on transactions	

8 Development Roadmap

Given below are the key milestones in the QuickX development and implementation, both those of the past and those projected into the future

Table: QuickX roadmap

Achievements thus far	
2016 Q3	Started research in blockchain
2017 Q1	Planning of Business Module and Resource Team Allocation
2017 Q3	Patent Filed for the Technology (QuickX)
2017 Q4	Raised \$1.2 Million from Investors to work on QuickX Protocol
Planned for 2018	
2018 Q2	MVP Launch (Decentralized Multi Currency Wallet- Android Version)
2018 Q3	Token Sale (Launch of Fully Functional Multi Currency Wallet- Android Version)
2018 Q4	QuickX Platform Testnet Launch (Internal) Launch of Multicurrency Wallet (iOS version) Launch of Multi currency Crypto Debit Card
Planned for 2019	
2019 Q1	Security Testing and Auditing of QuickX Platform Testnet Public Launch on Testnet
2019 Q2	Launch of V.1.0 on Mainnet with Public Liquidity reserve and Platform will be open for Pooling Facilitators to infuse Liquidity Addition of More Cryptocurrencies in Wallet and enhance User Experience
2019 Q3	QuickX SDK and tools available for different wallets to implement and use features of QuickX protocol Partnership with more card providers in different countries to increase user base
2019 Q4	Instant Cryptocurrency Swap using QuickX Protocol Market Expansion and bringing more Blockchains to QuickX Platform

9 Team



Kshitij Adhlakha
Founder and COO



Vaibhav Adhlakha
Founder and CEO



Nageela R
CTO



Nicholas Morgan
Head Software development



Simon F Williams
Head Of Product Development



Bhaskar Varshney
Head Product Design and User Experience



Nikita Ruzhevsky
Blockchain Developer



Soraya Naseen
Core Developer



Kolner Gavin
Blockchain Architect and Developer



Suki Chendrawan
Bussiness Head South East Asia



Tom Cheung
China Community Manager



Sunny Ukeachu
Africa Community Manager



Viv Thapar
Growth Hacker



Illia Horodetskyi
Community Manager



Andrii Syliu
Bounty Manager

9.1 Advisors



John Dalli
Former Finance Minister (Malta)



George Kimionis
CEO of Coinomi



Jorge Sebastiao
CTO Ecosystem at Huawei Technologies



OZ Sultan
Board Member of Homeland
Security Foundation of America



Yaroslav Belkin
CMO NEWSBTC , Former Head
of Marketing at CoinTelegraph



Steve Tsao
Angel Investor , CEO - WGG.com,
President Gigamedia (listed in NASDAQ)



Mourad Redjah
CEO Smart Chain Technology



Jeremy Wade
Founding Director of Jindal
centre for Social Innovation



Adnan Javed
Mentor at RMIT University for
Developing Blockchain Strategy



Joel Emery
CFA, Founding Partner Tareo
Capital Management LP

9.2 South Korean Partners



SANG JAE SEO
CEO of PayX



JASON H. JUNG
CIO at KCX Exchange

10 Conclusion

QuickX connects the isolated blockchains with a means for cross-chain communication, providing a solution to a long-felt need for the crypto world. Additionally, QuickX makes cryptocurrencies suitable for the masses when it comes to day-to-day transactions. Along with features such as multicurrency wallet, debit card, swap, and payment gateway, QuickX is expected to go viral by vastly changing the financial markets and payment platforms – not unlike how communication was forever changed after the introduction of the internet.

11 Disclaimer

IMPORTANT NOTICE

This white paper shall not and cannot be considered as an invitation to enter into an investment. It does not constitute or relate in any way nor should it be considered as an offering of securities in any jurisdiction. This white paper does not include or contain any information or indication that might be considered as a recommendation or that might be used as a basis for any investment decision. QuickX tokens are just utility tokens which can be used only on the QuickX platform and are not intended to be used as an investment. The offering of QuickX tokens on a trading platform is done in order to allow the use of the QuickX platform and not for speculative purposes. The offering of QuickX tokens on a trading platform does not change the legal qualification of the tokens, which remain a simple means for the use of the QuickX platform and are not a security. QuickX is not to be considered as an advisor in any legal, tax or financial matters. Any information in the white paper is provided for general information purposes only and QuickX does not provide any warranty as to the accuracy and completeness of this information. QuickX is not a financial intermediary according to Malta law and is not required to obtain any authorization for Anti Money Laundering purposes. Acquiring QuickX tokens shall not grant any right or influence over QuickX's organization and governance to the Purchasers. Regulatory authorities are carefully scrutinizing businesses and operations associated to cryptocurrencies in the world. In that respect, regulatory measures, investigations or actions may impact QuickX's business and even limit or prevent it from developing its operations in the future. Any person undertaking to acquire QuickX tokens must be aware of the QuickX business model, the white paper or that the terms and conditions may change or need to be modified because of new regulatory and compliance requirements from any applicable laws in any jurisdictions. In such a case, purchasers and anyone undertaking to acquire QuickX tokens acknowledge and understand that neither QuickX nor any of its affiliates shall be held liable for any direct or indirect loss or damage caused by such changes. QuickX will do its utmost to launch its operations and develop the QuickX platform. Anyone undertaking to acquire QuickX tokens acknowledges and understands that QuickX does not provide any guarantee that it will manage to achieve it. They acknowledge and understand therefore that QuickX (incl. its bodies and employees) assumes no liability or responsibility for any loss or damage that would result from or relate to the incapacity to use QuickX tokens, except in case of intentional misconduct or gross negligence.

Legal governance and compliance

As determined by QuickX legal advisors, and based on the Howey Test under the US laws, QCX tokens are not deemed securities in India, Malta or USA.

QuickX complies with the currently available Indian, Maltese and US legislative regulations with regard to the operations of ICO, digital tokens, and cryptocurrencies.

This document is for information purposes only and is not an offer or a call to sell stocks or securities of Secugenius or QuickX as a project, or that of any other related or associated companies.

QCX tokens are not securities

User acknowledges, understands, and agrees that QCX tokens are not securities and are not registered with any government entity as a security; and shall not be considered as such. User acknowledges, understands, and agrees that ownership of QCX does not grant the user the right to receive profits, income, or other payments or returns. QCX tokens do not represent an ownership interest in Secugenius or QuickX as a project or any other entity.

No guarantees of value

There is no guarantee that QCX tokens will be tradeable on any exchange. There is no guarantee of the value of QCX tokens or whether that value will change over time. Unforeseen events, events in which the developers have no control, or force majeure circumstances may cause the value of QCX to be extremely volatile. Users who purchase or earn QCX tokens hereby acknowledge and represent that they are not acquiring such QCX tokens with an expectation of profit or income. Users who purchase or earn QCX tokens further acknowledge and represent that there may be no exchange or merchant that will accept QCX tokens in exchange for goods, services, cash, or other cryptocurrencies. As future values and acquisitions of cryptocurrencies and alternative coins cannot be guaranteed, it is recommended that each participant consider all risks associated with participation in the QuickX Token Sale.

Risks associated with Ethereum

QCX tokens will be issued on the Ethereum blockchain. Therefore, any failure or malfunctioning of the Ethereum protocol may lead to the trading network of fragmented QCX tokens.

Regulatory uncertainty

Blockchain technologies are subject to supervision and control by various regulatory bodies. QuickX may fall under one or more request or action on their part, including but not limited to restrictions imposed on the use or possession of digital tokens such as QCX tokens, possibly limiting the functionality or repurchase of QCX tokens in the future.

QCX tokens are not an investment

QCX tokens are not legally binding investments. In the case of unforeseen circumstances, the objectives stated in this document may be changed. Despite the fact that QuickX intends to reach all goals described in this document, all persons and parties involved in the purchase of QCX tokens do so at their own risk.

Risks of using new technologies

QuickX protocol is new and relatively untested technology. Therefore, there can be additional unforeseen risks associated with this product.