



Digital Financial Exchange

difx.com



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INTRODUCTION

DIFX is a blockchain-based cryptocurrency exchange platform that brings significant and long-lasting disruptive alternatives to the trading of financial products by creating the first fully-insured cross-asset trading platform that will connect individuals, prime brokers, corporations and solve real-world payment problems by providing simple, effective, and secure payment and trading solutions across borders.

DIFX aims to address many of the issues that existing exchange platforms face by leveraging blockchain technology to provide a secure, fast, and easy-to-use cryptocurrency exchange and trading solution with a low transaction fee. That is not all; we also have a Blockchain-powered currency that is the native currency of the DIFX ecosystem with which transactions will be carried out between users.

The Blockchain was ranked one of the top 5 emerging technologies in 2019 by the World Economic Forum, and it is speculated to hold 10% of worldwide gross domestic product (GDP) by 2025. Currently, it has already surpassed \$1 billion in global investments. It has also been forecasted that every entity in the finance sector will be affected by it.

Extensive research on the users of remittance, financial, and exchange gateways has revealed that users are only managing the existing ones as they don't get maximum value from their money and are not truly satisfied with the services they get. This shows that it is clearly time for a ground-breaking solution like ours to hit the industry and change the status quo.



This unique comprehensive ecosystem is redefining the global online trading landscape. DIFX ecosystem offers the following dimensions:

- IEO Platform
- Liquidity Provider
- Institutional Desk
- Leveraged Trading
- Custodian Services
- Insured Crypto Wallet (For iOS & Android)

This whitepaper is written to give users a deep insight and understanding of the network and product line built by DIFX.



DIFX VISION

DIFX wants to create a new financial order, wherein Digital Currency is used for direct settlement between the payer and receiver which helps more than millions of unbanked individuals to use digital currencies to simplify their lives.

Reduction in settlement time and efficiency while exchanging along with immutable, traceable records, and security-rich transaction network.

DIFX will leverage blockchain technology to make remittance services accessible and to add value for more consumers for auspicious use of digital assets.

DIFX will create a hybrid working model of a centralized as well as a decentralized exchange that incorporates atomic swaps.

DIFX MISSION

DIFX's mission is to create a hybrid working model of a centralized as well as a decentralized exchange that incorporates atomic swaps with the power of Blockchain technology.

Our goal is to simplify the trading platform and transform itself into a one-stop solution for users. DIFX has made cryptocurrency trading simple, secure and rewarding for all.

We aim to provide a platform for beginner and advanced traders, investors, and institutions with a user-friendly interface that combines the best practices of decentralized and centralized trading.



KEY INDUSTRY PROBLEMS

1. Poor Customer Support Services:

When users of cryptocurrency exchange or trading platforms get stuck with anything on the platform or want to discover more about user features, they go straight to customer support to resolve their issues.

Adequate resources for customer support are lacking on many cryptocurrency platforms, as too many growing exchanges do not scale-up their resources to meet the number of users they serve.

2. High Trading Fee:

One of the major difficulties with cryptocurrency exchanges is trading costs. Many well-known cryptocurrency exchanges charge a fee ranging from 0.25 percent to 3 percent. A decentralized exchange, on the other hand, usually requires no fee or a small fixed fee.

Many cryptocurrency exchanges charge exorbitant trading fees. Each time someone makes a trade on an exchange, a certain percentage of their order is forfeited.

3. Liquidity:

The crypto market is not yet ready to absorb large orders without impacting the value of the cryptocurrency. This happens due to the lack of liquidity, compared to traditional financial markets. Small and major exchanges have both suffered from dwindling liquidity as a result because of a sudden surge of bitcoin transactions, which has reduced the value of these transactions.

Aside from trading activity, the unique liquidity of a single exchange is decided by its capacity to hold reserves to draw on when it runs out of tokens to sell. Exchanges with a daily trading volume of roughly 1k BTC frequently have supply-and-demand issues or local price slippage and need the buyer to cover it, along with the gas—a transaction cost of around 1–10% above the original price, making it one of the core problems of the industry.

4. Poor Security:

Security breaches are common in the industry and frightening for cryptocurrency platform owners because they can mean that the personal information of those who use the platform is compromised. People are losing sums of money as because of scams and fraud, which must be addressed to protect those who invest in tokens. Exchanges should invest in maximum platform security to prevent hacking, fraud, and scam-related activities.

5. Lack of Diversified Portfolio Option:

Another issue affecting the industry is a lack of portfolio diversification. Investors may lose interest in the market if the risk is not diversified because it is easy to lose one's assets and investments. Having a portfolio of more than one digital currency is currently the most preferred method of diversification.

For instance, an individual can have both Bitcoin and Ethereum in their digital currency portfolio. However, since both currencies are interconnected, instability, and volatility that have been frequent occurrences in the market recently, will affect them both. As a result, the diversification strategy may be unsuitable in the long run, as both currencies (Bitcoin and Ethereum) are now likely to be affected at the same time.



The issue here is that many exchanges do not provide a variety of portfolio options for users, limiting them to the most valuable tokens and risking the loss of their investment.

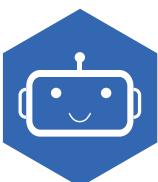
6. User-friendliness:

The user-friendliness of a system is critical to creating a perfect user experience. With complicated pages and users needing to scroll down to find what's required, customers will look elsewhere if a site is hard to use. This tends to be the norm of many exchange platforms today, and it's one of the issues that plague the industry.

DIFX EXCHANGE'S SOLUTION



USER-FRIENDLY
INTERFACE



AI-BASED
QUERY
RESOLUTION
BOTS



DEDICATED
CLOUD
SERVERS



PROPER
SECURITY
AUDIT



TOKEN
VETTING AND
PRESCREENING



ASSURANCE OF
PRICE
UNIFORMITY



WIDE
BANDWIDTH

1. User-Friendly Interface:

Every trader/subscriber, regardless of their level of skill sets and trading experience in various asset classes, will find using the highly intuitive and very user-friendly DIFX a true delight that cuts across cross-asset class trading under a single window. DIFX provides a single account with ease of access to the most advanced and artificial intelligence (AI) based asset management tools. Along with the support features, DIFX also has easy to follow explainer videos for all of the basic functions (like deposits, withdrawals, placing an order) to help users get accustomed to the exchange.



2. Dedicated Support with AI-based query Resolution Bots:

DIFX will have automated query bots and artificial intelligence (AI) query resolution system. This will automatically ensure that every ticket raised will be answered instantaneously, barring specific instances that require human intervention. This solution provided by DIFX is being bet upon to be a disruptive game changer and will go a long way in satiating the client feedback system. We shall also be embedding an algorithm that can alter out high-priority queries, which shall then be sent in for immediate redressal.

This system will automatically involve a jump out of the queue option to facilitate response to high-priority tickets. The root of this high-priority aging system is to ensure that there is no lag time in the remittance/withdrawal of funds, acknowledgment of deposits, and trades.

3. Dedicated Cloud Servers:

We have dedicated cloud servers in different locations to ensure a lightning-fast response, zero redundancy, low latency tickers, and no lags in the execution of orders. This will completely marginalize the slippage and impact cost of large trading orders. Since the cloud servers enable the speed of access, DIFX will not be faced with the daunting task of matching up speed with execution.

4. Proper Security Audit to Eliminate Price Manipulation and Front Running:

DIFX will be subjected to security audits that will eliminate front running and any possibility of price manipulation and inflating false volumes. As a result, subscribers and traders can be confident that DIFX is a genuine platform.



5. Token Vetting and Pre-screening:

DIFX's pre-screening of tokens before listing them on the exchange will ensure that dubious coins are left out and not allowed to enlist. DIFX has set out a complete set of norms based on which it will decide whether or not to list the token. A few of the major points it will look deeply into are: The need for a blockchain, The team's experience in blockchain, the promoters holdings, the business models and the roadmap

6. Assurance of Price Uniformity with other Leading Exchanges:

Through Artificial Intelligence (AI), we shall be interpolating the price of the top five exchanges and ensuring that there is no lack of price uniformity. This is extremely important since one of our revenue models is the technical analysis module. This entire module will become meaningless if the prices are not matched across exchanges and time frames.

7. Wide Bandwidth to Accommodate Numerous Transactions per Second:

DIFX will be hosted on cloud servers with a huge bandwidth to handle more than two million transactions per second. Because the cloud servers are in multiple locations, the load will not be focused on a single server, thereby making it look even faster than it actually is.

CODE OF ETHICS

DIFX's actions are not only influenced by European data protection laws, but also by its self-imposed Code of Ethics. This manifests itself as a commitment to absolute transparency in terms of costs and fees, primarily through our multilingual support.



DIFX's motto is: The best protection against losses is granted by the comprehensive education and involvement of the community in the decision-making processes of the company. The community, therefore, has the opportunity to participate in DIFX through forgery-proof blockchain votes. DIFX also believes that cooperation, and above all, the achievement of common goals, can only succeed with clearly defined values and Codes of Conduct. That is why DIFX sees its Code of Conduct as its most important statute because it serves to bring ethical values and rules to employees and stakeholders. This allows DIFX to share its values with its users and business partners and to strengthen the DIFX community and reputation.

WHY DOES DIFX DIFFER FROM OTHER PLATFORMS

Cryptocurrency and blockchain platforms have been driving investment, trading, and financial inclusion options for people. However, there is no single platform that offers an “all-in-one” approach to cryptocurrency exchange (which includes buying, selling, trading, and management of investment portfolios). This leaves a significant gap in true financial inclusion globally, and that's where DIFX is different from the rest.

The implementation of the DIFX ecosystem unifies the internal and external operating system with our customer-centric approach to providing a seamless experience to users where they can buy, sell, trade, and manage their cryptocurrency assets on a single platform. Traders have the ability to swap between any asset listed on the DIFX platform. Additionally, they can also swap their cryptocurrency for traditional assets, i.e., stocks, and bonds. Our platform is designed to deploy a futuristic financial service platform to create an omnichannel and cross-functional customer journey.



DIFX leverages blockchain technology to verify and vet traders before carrying out transactions on the platform to ensure safety and security unlike other CEX's. Moreover, DIFX's platform allows users to manage every aspect of their assets in a single platform and creates a diverse portfolio with a variety of options available. Lastly, DIFX has its own ERC-20 token built on the Ethereum Blockchain with encryption and a P2P system.

WHY DIFX DISRUPTIVE

DIFX team believes that the investment process should be more democratic and accessible to the vast majority of people who want to increase their funds. Investors who have cryptocurrencies in their asset portfolio can trade on world financial markets by investing in conventional asset classes which include stocks of world-famous companies, indices, commodities, and forex. DIFX will have several tokens of a special kind that will correspond to one or another type of traditional assets. Trade-in such assets will occur in the same way as trading in cryptocurrency on any exchange. Here are the tradable variants across multiple asset classes cast in the decentralized platform being created by DIFX:



1. Cryptos to Cryptos



2. Cryptos to Forex



3. Cryptos to Commodities



4. Cryptos to Stock CFDs



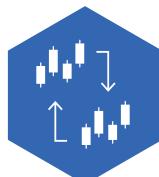
5. Cryptos to Indices



6. Cryptos to Banking Withdrawals



7. Forex to Cryptos



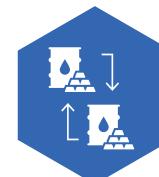
8. Forex to Indices



9. Forex to Commodities



10. Commodities to Stock CFDs



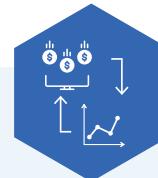
11. Commodities to Indices



12. Commodities to Cryptos



13. Commodities to Indices



14. ETF's to Cryptos



Over the next three years, we are poised to become a front-running digital operative of centralized and decentralized multi-discipline and yet regulated platforms of exchanges, listing venues for foreign exchange pairs, stocks, commodities, and cryptocurrencies. We intend to become a provider of data services for commodities and cryptocurrencies. We also plan to operate regulated marketplaces for listing, trading, and clearing a broad array of structured derivatives and securities contracts across major asset classes, including metals, energy and agricultural commodities, forex derivatives, bonds, and currencies. Our exchanges will include platforms for trading in forex, stocks, commodities, and cryptocurrencies. Our cryptocurrency exchange has been set up in the European Union (EU), and we are making inroads in the Middle East too.

OUR COMPETITIVE ADVANTAGE

Our innovative trading terminal beats any existing solution accessible to traders on the market, giving DIFX a competitive advantage. To be a top exchange platform, we will analyze current exchanges, improve on their weaknesses, and develop potential business models that will boost our acceptance and customer retention. Furthermore, unlike other exchange platforms with fragmented cryptocurrency capital markets, we have condensed our platform into a single trading terminal, the first of its kind in the exchange sector. We also have strong legal and financial backing as we are associated with multiple approvals. This gives our platform a good standing and a soft cushion. Finally, unlike other exchanges that are only after the user's money and profit racketeering, we have a dedicated tether website with multiple tethers of all the asset classes backed by value. This makes us distinct and highly competitive in the market.

TECHNICAL ASPECTS OF THE PLATFORM



Encrypted user access:

This exclusively designed procedure offers significant protection to the user's funds by placing an additional encryption layer between the user and the wallet. By employing this strategy along with the blockchain wallet approach, the user is substantially shielded but still has all alternatives for password recovery.

Auto re-login:

When the user chooses to withdraw funds from the wallet, he is required to re-enter his password. This prohibits scenarios where a malicious attacker could hijack an ongoing account session on the exchange and withdraw funds, which would otherwise be possible in the absence of a verification procedure in

between. The password is additionally encrypted via a secure hashing algorithm, which ensures that nobody (including the exchange) can ever retrieve the user's password.

Two/Three-Factor Verification and Google re-captcha:

Google Authenticator and email authentication provide the users with an option to establish additional verification through their smartphones or e-mail accounts to unlock certain activities like trading or withdrawals. Google re-captcha will also help us in eliminating spam by separating humans from bots.



Distributed architecture with DNS Failover: The platforms keep up DNS failover to provide DDOS resilience as well as fast failover. In the case of a server outage, failover time is at 180 seconds (depending on DNS TTL). Geo IP routing users incredibly rapid access for users across the globe by routing track based on their geo-position. Architecture built upon the latest technical structures by employing the most up-to-date software can alleviate the threats of leaks based on the immaturity of software. Our constant updates and technological developments will consistently enhance the overall resilience of the exchange.

Automated multi-signature cold storage: The exchange's hot wallet has an automated procedure that swaps the crypto funds to multi-signature cold storage according to the pre-decided equation of hot wallet storage concerning the total funds, ensuring that a majority of the assets are protected in the event of an attempted hack or a brute attack on the platform. **Automated trade and account related notifications:** The users have access to automated trade-related notifications regarding order matches, order books, and charts. The current and historical data, including a detailed list of debit or credit entries, transaction fees can be availed under their account information panel.

Tools for Technical Analysis and Price Prediction: Professional analysis tools are essential for successful trading. Currently, graphical analysis of the following tools are in a later stage of development. It will be available after the token sale and launch of the platform. Since the public trading platform does not have access to the user data, a new security standard is set here. The user can access all of DIFX's services without worrying about a third party reading their data.

- ◆ MA (Moving Average)
- ◆ EMA (Exponential Moving Average)
- ◆ BBANDS (Bollinger Bands)
- ◆ SAR (Stop and Reverse)
- ◆ MACD (Moving Average Convergence Divergence)
- ◆ KDJ StochRSI (Stochastic Relative Strength Index)
- ◆ DMI (Directional Movement Index) •
- ◆ CMF (Chaikin Money Flow)
- ◆ OBV (On-Balance Volume)
- ◆ RSI (Relative Strength Index)
- ◆ Bid Ratio

Votes determine the selection and implementation of additional analysis tools from the community. Users can publish chart analysis, as well as related content (video, text, and audio) on the community platform. On the platform, users and their content can be rated by the community with the DIFX token. Through this system, analysts, YouTubers, influencers, and bloggers can increase their reach within the community and are also rewarded for their work in monetary terms.

KNOW YOUR CUSTOMER (KYC)

Payment tokens, exchange of cryptocurrencies into fiat money, custody wallets, banks, securities dealers, and asset managers are generally subject to anti-money laundering requirements, such as registration, supervision, and identification of counterparty requirements.

Anti-money laundering obligations are the basic regulatory requirements that apply to most entities trading in cryptocurrency markets.



To combat and prevent criminal activity such as money laundering, economic crime, and terrorism, international standards have been set up for the identification of new customers. DIFX abides by these standards, and of course, meets this challenge. To address this issue, DIFX has created an authentication platform that allows all data by ID Key to investors to transmit the requested information to meet anti-crime standards, and still enjoy protection against unauthorized access of third parties. The transmitted data will be cryptographically signed to ensure an anonymous user login. KYC is exclusively performed by DIFX and not a third party to ensure data protection. Services outside of Account Management have no access to personal information. DIFX guarantees that customer data is subject to confidentiality and is not made accessible to third parties without authorization.

DIFX ADDITIONAL FEATURES

- ◆ Encryption of track using the latest tools such as VPN, SSH, and 256-bit AES encryption. Individual verification of crucial details to avoid identity theft and other forms of fraud.
- ◆ AES encryption prevention: A sophisticated encryption algorithm that decrypts encrypted confidential data. Anti-CSRF token: CSRF is Cross-Site Request Forgery, which is a type of attack in which a malicious actor makes an unwanted action on a trusted site.
- ◆ Mail ID encryption: Prevents hackers from decrypting/editing our email address using our database.
- ◆ Device-based tracking (IP Address, MAC Address/Mobile device ID, User) and IP- based admin panel login.

- ◆ A hidden mailing system implementation for the exchange to know the present login credentials for the admin panel, in case a hacker changes it internally or externally.
- ◆ The Database retains a log of admin login patterns and wrong login attempts.
- ◆ Auto logout and re-login for the admin to protect attempted hacks on ongoing sessions.
- ◆ We are constantly exploring the latest techniques to strengthen our safety measures and security features of the services. We have a development board where our team is constantly assessing new features and algorithms that can spruce up the security as well as the performance of all the components of our exchange.

BENEFITS OF DIFX OVER CONVENTIONAL CRYPTO ONLY EXCHANGES

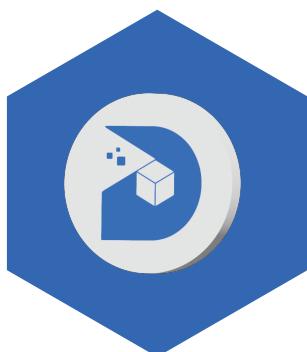
The Decentralized Exchange The matching engine has an access level for the Blockchain to change the status of the coin/token to the respective token to be kept for a transaction. Additionally, it also has access to change the status from Net Exposure to Trade. Integration of Wallet: All the transactions within the Exchange will directly be made on the user wallet and be updated as a blockchain transaction. This will ensure that the exchange is entirely decentralized, and all the cryptocurrencies will always be with the users. Each users' public and the secret key would be required for the exchange to be decentralized.



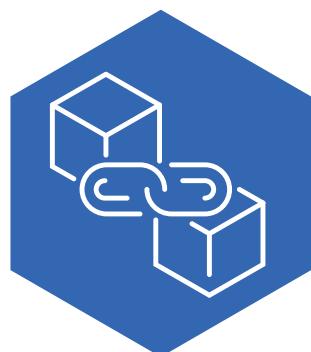
This will ensure that the exchange is entirely decentralized, and all the cryptocurrencies will always be with the users. Each users' public and secret key would be required for the exchange to be decentralized.

DIFX TOKENS AND FEATURES

DIFX Token is a utility token created on the ERC20 Ethereum blockchain. Utility tokens are tokens that are intended to provide digital access to an application or service through a blockchain-based infrastructure. DIFX allows for instant transfers while providing specific value and discounts to DIFX users. Its key features include:



ERC-20/ BEP 20
based token
used within DIFX Ecosystem



Future plans to build
a native blockchain platform



It will power future
DIFX services and products



Faster transaction times



Quicker payment settlements



NOMINATION PROGRAM

Create nomination:

The user puts in a request to create a nomination. The nominator can select single or multiple nominees. The first nominee is free, the rest need to pay in DIFX token.

Nominator: Once the request is processed, and he/she adds the nominees, he/she can select the percentage assigned to each nominee out of 100% for all of his/her digital assets.

Add Nominee:

Once the Nominee has been added, the system will notify via email, he/she will have to create their own account first and upload their KYC. If the user already has an account with us, they will not have to go through this process again.

Nominee Req:

If the user accepts to become a nominee, they will have to accept the nominator's request without knowing percentage allocation and if the nominee declines the request, the nominator will be notified.

Claim process:

In order to file a claim, the nominee will have to upload their KYC documents along with some additional documents:

- 1-Death Certificate of Nominator
- 2-Nomination Documents (either Probate, Letters of Administration, Succession certificate, Legal Heirship certificate. Affidavit for Collection or Small Estate Affidavit)
- 3-Relationship documents



During the document review and acceptance process:

The compliance officer will review the documents and accept or reject the documents, any disapproved documents beneficiary needs to send again via email. Required Documents can be differ based on the region or govt laws, compliance officers can ask directly to the beneficiary via email for certain documents before approving claims.

Once documents will be approved, the claim will be approved and funds will be transferred to the nominee as per the allocated percentage by the nominator.

TOKENOMICS

The total supply for the DIFX token is 550,000,000 (five hundred and fifty million tokens) of which 60,000,000 (sixty million tokens) are on the Binance smart chain and the remaining 490,000,000 (four hundred ninety million tokens) are on the Ethereum network. The highest number of tokens allotted in tokenomics is 110 million for Strategic Development, which is locked for a period of two years. This 20% supply will be released on a quarterly basis, with 13,750,000 tokens released every three months, commencing January 1, 2022. In addition, 99 million tokens are reserved for public sale, accounting for 18% of the total DIFX tokens. Furthermore, 74,250,000 tokens (13.5%) are allocated to Exchange & Treasury.

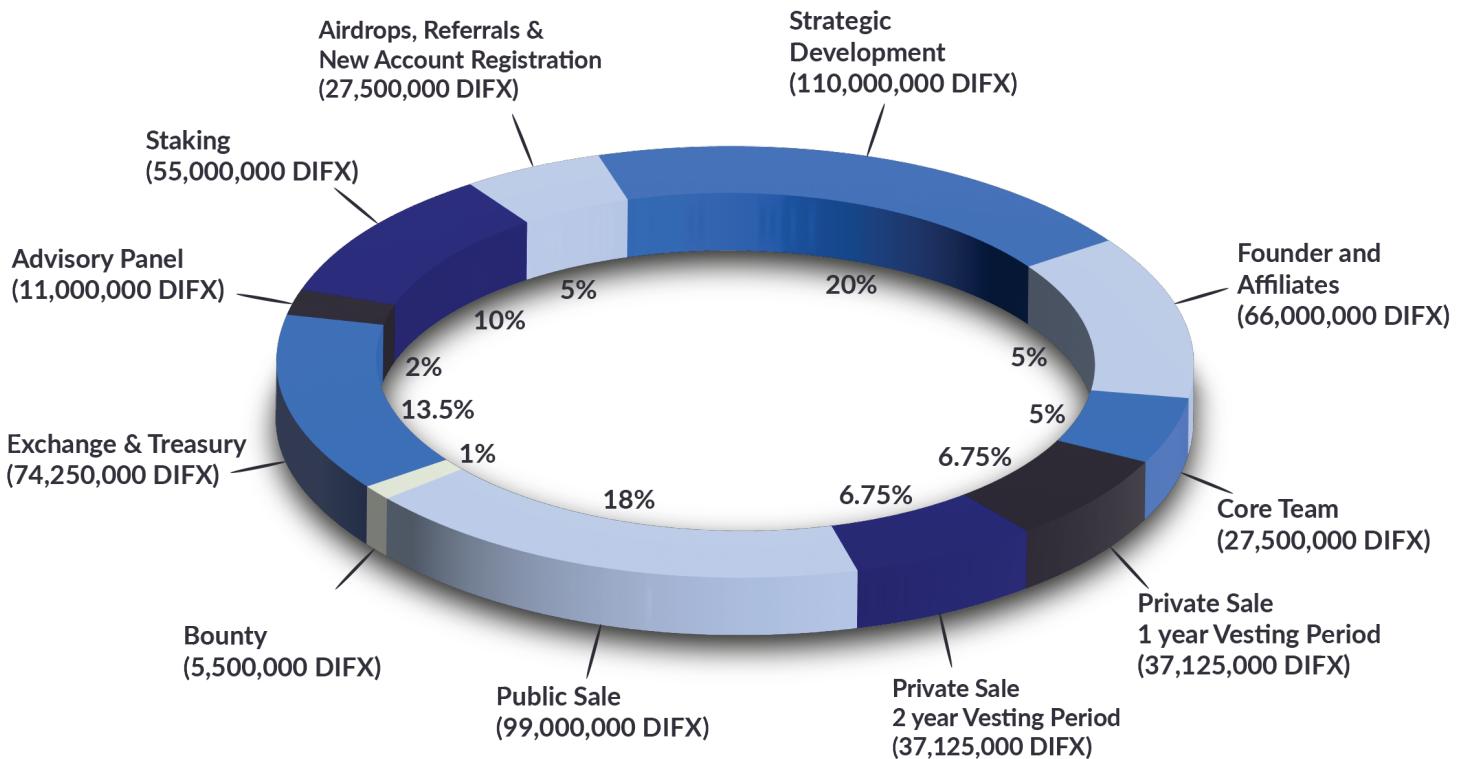
The DIFX project's founders and affiliates will hold 12% of the supply, i.e, 66 million tokens, which will be locked for two years. These tokens will be distributed on a quarterly basis, with 8.25 million tokens distributed every three months beginning January 1, 2022. Staking has 10% of the pie, that is, 55 million tokens. Staking is the process of validating proof-of-stake blockchain transactions in exchange for rewards. It entails storing tokens in a cryptocurrency wallet and generating more predictable percentage returns.



The private sale with vesting contract is divided into two types: one with a “one-year” vesting period and one with a “two-year” vesting period. Giving investors the option to invest for their preferred lock-in period. Both types have the same amount of 6.75%, that is, 37.125 million tokens. In both cases, the tokens will be distributed on a quarterly basis. The tokens released every quarter for a one-year vesting period will be 9,281,000 tokens, and the tokens released every quarter for a two-year vesting period are 4,640,625 tokens.

The DIFX project's core team will hold 5% of the supply, and the same amount of tokens will be allotted for airdrops, referrals, and account registration, totalling 27.5 million tokens. The tokens allotted to the core team, on the other hand, will be locked for a period of two years. These tokens will be distributed on a quarterly basis, with 3,437,500 tokens distributed every three months beginning January 1, 2022. A 2% portion of the pie, which is 11 million tokens, will be set aside for the Advisory Panel, having the remaining 1% of the total supply is set aside for security bounties and reward programs.

NAME	Digital Financial Exchange (DIFX)	Ticker	DIFX
Total Supply	550,000,000 Tokens	Blockchain	ERC20/BEP20



UTILITY OF DIFX TOKENS

DIFX Token is a utility token created on the ERC20 Ethereum blockchain. Utility tokens are tokens that are intended to provide digital access to an application or service through a blockchain-based infrastructure. DIFX allows for instant transfers while providing specific value and discounts to DIFX users. Its key features include:

- Commission fees will be made in DIFX tokens at a market rate.
- The financing of ICO campaigns in DIFX will be carried out only through DIFX tokens.
- Purchase of Bots, API and White Label solutions will be accepted only in DIFX tokens as a mode of payment.
- Payments for the listing of tokens/coins on the DIFX exchange will be carried out exclusively in the form of DIFX tokens.



- DIFX tokens will be traded on the centralized as well as on the proposed decentralized P2P exchange. Owing to the genesis of the DIFX Blockchain, DIFX tokens can be instantly transferred to any account in the decentralized DIFX Block network.
- DIFX tokens have been designed to be exchangeable/ swapped for any other DIFX Block-tokens and crypto-currencies.
- DIFX Token is a distributed (decentralized) firewood for the complete life span of the DIFX ecosystem.

The ERC20 order book ledger is a completely global market of offers. For each of the pairs, issuer & currency, there is an order book. Therefore, if someone wants to exchange exotic cross-asset pairs, the same will be available on the exchange as a trading pair.

DIFX will see the listing of over 2400 pairs across Cryptocurrencies, Forex, Commodities, Stocks, Indices, and ETFs over the next 18 months. One of the most powerful functions of DIFX will be the ability to issue, store, transfer, and trade any assets: US dollars, Euros, GBP, JPY, AED, CAD, CHF (and 9 other currencies) BTC, ETH, XRP (and a whole host of cryptocurrencies), Gold, Silver, Crude, Natural Gas, Lead, Nickel, Aluminum, Zinc, Copper, Platinum amongst others form a DIFX Block asset in DIFX can be exchanged for any other. This truly makes DIFX a multi-asset platform that seamlessly cuts across verticals and delivers the perfect pairs that a trader needs or can wishfully conjure as a list.

EXCHANGE WORKFLOW

Below is the workflow pattern of the DIFX Exchange Platform:



Public and the secret key will only be stored in the wallet.



An Electron bases app, web-based app, or Mobile application will be provided to the user who will use the customer's keys for the authentication.



In the next phase, Ledger Nano S Wallet can also make the transactions.



All trades and wallet-related functions will be made using the exchange User interface, which will be hosted on the website as well for Ledger Nano S users and browser extension users.

MATCHING ENGINE IN THE EXCHANGE

The matching Engine of the System for each Script will be a separate Kubernetes cluster. Each Matching Engine will have its public and secret key within the Blockchain; the role for the matching engine accounts will be defined within the blockchain transaction.



On placing an order in the matching engine, the matching engine will first store the currencies in the “net exposure” state and reduce the amount for the “currency” state and then make the transfer request with the appropriate data order data. The transfer will then be validated with the signed key from the matching engine. The System's Matching Engine will be centralized, but when a specific trade is executed, a Transfer Request for the two transactions (buy and sell) will be initiated within the blockchain and for only the cryptocurrencies.

DIFX PLATFORM, INVESTMENT AND PREFERENCES

DIFX Online Payment System

DIFX is aiming to develop an online payment system enabling merchants to accept cryptocurrencies for the goods which they sell on their websites. The visitors will be able to buy the goods and services for crypto. The list of cryptocurrencies is determined by those that the DIFX Wallet supports, i.e., 95% of the crypto market. Those merchants who have DIFX's tokens on their balance will be provided with a discount.

The visitors of online stores will be able to pay either by copying the wallet address manually or just scanning the QR-code automatically with a mobile phone.

After the payment is made, the client will be able to track the transaction in the blockchain. When it's confirmed, the merchant's balance will be replenished with the funds. There is foreseen a referral system for resellers. Those who will invite new merchants to the system will earn from each purchase made on his website.



Benefits of the DIFX Platform to Users:

Users of the DIFX platform will benefit immensely from the several features of the platform. These include but are not limited to:

- ◆ Cross asset trading
- ◆ Biometric security
- ◆ Multiple licenses across different jurisdictions
- ◆ High-security wallet
- ◆ IOS and Android app
- ◆ Prepaid brokerage package
- ◆ Airdrops
- ◆ Services with a price markdown
- ◆ Overnight interest rate and staking
- ◆ Discount on the use of DIFX token

DIFX MULTI-CURRENCY WALLET

One of the products being developed by the DIFX cryptocurrency platform is a DIFX Multicurrency Wallet. It has the following technical functionality:

- The ability to securely store the most popular cryptocurrencies: Bitcoin, Ethereum, Litecoin, and many others.
- The possibility of exchanging funds in the following ways: fiat-cryptocurrency, cryptocurrency, cryptocurrency-fiat.



- The ability to instantly cash out cryptocurrency through the withdrawal on the card VISA / MasterCard, UnionPay, Payeer, AdvCash, Yandex, Money, etc.
- The system automatically generates statistics on the overall account Balance, displaying it in dollars, euros, or yuan. The system provides up-to-date, cryptocurrency rate data. The system allows you to create a virtual portfolio of cryptocurrencies, which automatically calculates the value of it in dollars, euros, or yuan. It also displays the percentage of each cryptocurrency in the portfolio to the total number. The ability to create your cryptocurrency portfolio by importing data directly from the balance of the web wallet.
- Account login is protected by a two-factor authentication system (2FA). Ability to send money to business partners, friends, and relatives via SMS.
- Ability to send money to business partners, friends, and relatives via e-mail.
- The ability to accept payments in cryptocurrency on your website or online store by installing a special module from the DIFX Multi-currency Wallet.
- Instantly withdraw the money earned to your bank card or any other wallet.
- Ability to track all transactions performed in the section "History of transactions."
- Ability to recharge your mobile phone balance and pay utility bills using the DIFX Multi-currency Wallet.



DIFX CRYPTO EXCHANGE PLATFORM

Our cryptocurrency exchange features a unique token-staking mechanism, a powerful trading UI, and seamless products. Its key features include:

- ◆ IEO support
- ◆ Bonuses and discounts to DIFX holders
- ◆ Low trading fees
- ◆ Exchange of referral traders
- ◆ Fiat support
- ◆ Crowdfunding platform
- ◆ Referral system
- ◆ DIFX fee discounts
- ◆ Simple, intuitive interface for new traders
- ◆ Facial recognition, voice ID
- ◆ Robust trading software for professionals

PROPOSED PAYMENT CARDS

This feature allows merchants to receive payments in DIFX or another cryptocurrency, and consumers to pay using payments cards or our mobile app. This will include:



Cash-in



Purchase



P2P



Payments



Card Processing



Cash-out



E-commerce



Multi-currency/
Crypto Cards



Debit cards



Prepaid cards



Virtual cards



Bank2Bank transfers



Credit Cards



Multi-currency Fiat Cards



SECURITY & THEFT

DIFX's approaches the issue of security in the most serious way and offers the following mechanisms are designed to protect traders from intruders:

- 50% of the funds will be stored in Cold (Offline) wallets and 50% of the funds will be stored in MPC wallets.
- DDoS - protection from Cloud Flare service.
- Two-factor authentication (2FA) when you log into your account and withdraw funds.
- The strict requirement to create a password containing a combination of numbers, uppercase and lowercase letters, and other characters and consisting of at least eight characters.
- The current extension of the HTTPS Protocol to support encryption to increase security.
- Bug Bounty program for finding vulnerabilities.
- Face ID.
- Voice ID.
- Integration of SPV technology that has never been hacked.
- Encryption of login Page.
- Constant backup of data.
- Consistent scan of the website for vulnerabilities.
- Security expert team to ensure maximum protection against intruders.



LEGAL BASIS AND LICENSES

It is not a secret that concise, well-defined regulations for cryptocurrency fields are scarce, vary dramatically from country to country, and are somewhat tricky to comply with due to the nature of rapidly evolving legal grounds for cryptocurrencies. To have DIFX operate exclusively in the legal field, we will have to collaborate with appropriate legal agencies and advisors towards building a proper basis for our business extensively. The next logical step towards providing our services legally and worldwide is obtaining appropriate licenses, allowing transactions with fiat and cryptocurrency assets, as well as with electronic money. Filing for these licenses becomes the top priority for successful project development. This is why we allocated up to 11.5% of the raised amount towards obtaining the following essential licenses, allowing us to remain legal, expand our geography and lawfully offer financial services for customers around the world. Our key focus includes-

- Regulation D, rule 506 (c) by U.S. SEC
- In terms of Compliance, we are making sure that the laws of Romania, Lithuania, Bermuda, SVG, Vanuatu, Cayman Islands are complied with.
- Security Dealer License in Lithuania (under process).
- Commercial Brokerage License - Central Bank of UAE (United Arab Emirates).



EXCHANGE REVENUE

Brokerage Commission:

While DIFX will earn the regular trading commissions on all vanilla trades executed across Forex, Commodities & Cryptocurrencies, it will formulate a trading program that allows for cross-asset class trading. Exotic trades will carry better earnings.

Listing of Tokens:

The cryptocurrency segment is still in its infancy stage. The next few years will see explosively exponential growth in the number of tokens being listed. While the quantum of ICOs may trail, newer methods like airdrops, amongst others, may take centre stage. Owing to this phenomenon, one can expect a spate of listings. Because DIFX is a multidisciplinary exchange, it is embedded with the advantage of capitalizing on such progressive moves in the crypto segment.

Deposit Fees:

Deposit fees will be levied in cases where the deposits do not qualify for the minimum deposit amount. There shall be no levies on any deposits above this minimum deposit line.

Withdrawal Fees:

As is the norm, DIFX will impose withdrawal fees on all withdrawal requests.

Market Making:

DIFX will get into agency trades and be able to generate revenue on such market-making. No principal trades will be entered into its account.



ICO Listing:

DIFX will have its own ICO calendar with elaborate ratings that subscribers can avail of and ensure that they do not participate in unworthy ICO's.

White Labelling of Cryptocurrency, FOREX, and Commodity Platforms:

We shall make available our multidiscipline exchange of cryptocurrency, forex, and commodity for white labelling. We shall give away our push and fix API to funds, banks, institutional clients, and HNI's to translate this into revenue for DIFX.

Structuring Price Plans for Traders:

To attract subscribers to trade frequently, DIFX will have various structured commission plans based on various volume slabs.

Advertising on Exchange:

DIFX will allow banners on its various responsive pages to attract attention and result in mileage for the banner placer. This would turn into a win-win situation for both, the banner placer and DIFX.

MARKETING STRATEGY

All the products and services of DIFX can be bought using the DIFX token. The contemporary methodology of marketing any product/service/cryptocurrency is through the digital medium. We have thus strategized a well thought out plan, the main pillars of which are:

- Affiliates fee-sharing program and Subscriber referral fee-sharing program
- Extensive social media coverage (Twitter, Instagram, LinkedIn, YouTube, Steemit, Medium, Telegram, Bitcoin talk, Reddit, Hacker noon and other platforms which act as executive tools and medium) Influencer Marketing



- Digital Media (News Portals, PR, ICO listing websites and blogs)
- Advertising with ICO rating agencies
- Participating in conferences and events
- Tying up with the professional bounty
- Management portals Banner ads on relevant
- High traffic websites and blogs Pay-per-click campaign
- Search Engine Optimization
- Airdrops

GOALS FOR ENTERING THE TOKEN SALES

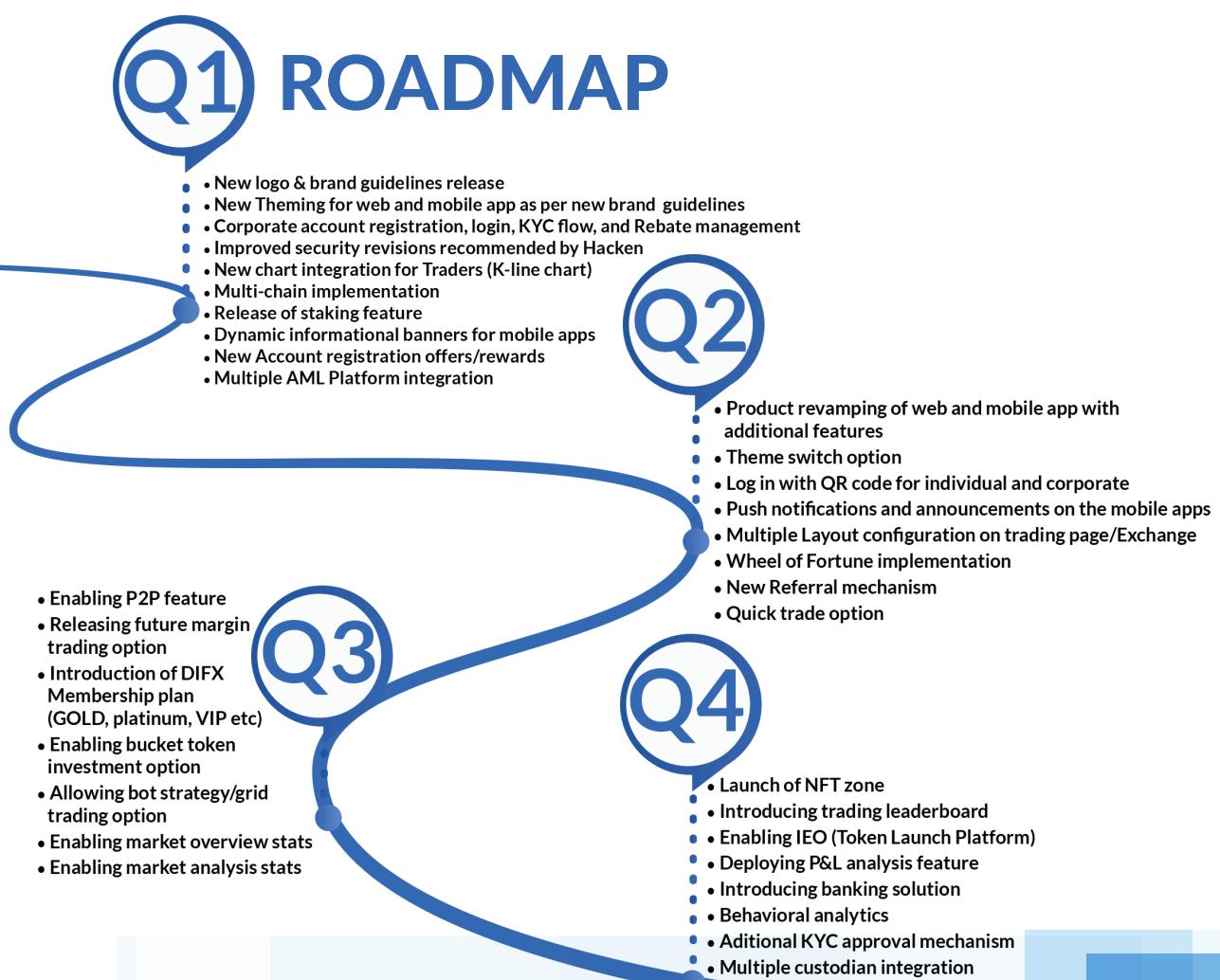
The goal of a token sale is to raise funds for a cryptocurrency project. The DIFX team sees its first goal as producing a fundamentally innovative product that will integrate at least three services in a single ecosystem, rather than filling one of the market's numerous vacant niches: DIFX Cross Asset Platform, DIFX Crypto Exchange platform, and DIFX Multi-currency Wallet, and so that their potential customers could become users of the World Wide Web, living anywhere in the world.

There can be no doubt about the demand for such a product because there are currently no alternatives. Attempts to create something like this have already taken place. There have already been attempts to make something similar.

However, due to a variety of hurdles, including the lack of professionalism of software developers who disrupted the implementation of key technical solutions, the outcomes consistently fell short of expectations.

The DIFX token, which was built on the Ethereum platform, which is the most widely used core for constructing blockchain systems, will serve as a mechanism for combining the three services stated earlier into a single ecosystem.

The token's primary uses are utilitarian (this is the local currency of all DIFX services). Nonetheless, at the end of the token sale, the firm aims to purchase tokens from individuals who want to sell them at the current price of investors, which will enable the company to maintain a strong degree of liquidity regardless of market conditions. The financial relationship between the DIFX platform and its customers will be governed by an open-source smart contract that is available for review in public sources.





DISCLAIMER

This document is a vision document and should not be considered a specification. It is not promotional material, reflecting the fact of issuance of securities and calling for investment in the sense in which it understands the law on securities. DIFX token does not give its holders ownership of a part of any segment of the public or private market. The main purpose of the DIFX token existence is its use in the DIFX ecosystem. The sole purpose of this document is to present the DIFX project to potential holders of tokens in such a way that they can make reasonable and informed decisions regarding the purchase of DIFX tokens. This document describes in detail the management of the DIFX project, its importance to a society based on our beliefs, its functionality, and objective grounds for investing in the acquisition of DIFX tokens distributed within the token sale campaign.

No Advice:

like any blockchain technology, the acquisition of DIFX tokens is associated with a high level of financial risk. All investments are made at your sole discretion, and you are solely responsible for assessing all potential investment risks as well as doing your due diligence before the time of investment. Consult your advisors before deciding to purchase any Tokens.

No Offer of Securities:

DIFX and “DIFX Token” (as described in this Whitepaper) are not intended to constitute securities in any jurisdiction. This Whitepaper does not constitute a prospectus nor offer a document of any sort. It is not intended to constitute an offer or solicitation of securities or any other investment or other product in any jurisdiction.



All statements, project technical information, and other declarative information contained in this document cannot be considered as guarantees or promises to the holders of DIFX tokens. Such data may not be considered as a financial prediction of any. Forward-looking statements are based on publicly available statistics as well as the proposals and forecasts of the initiators of token sale DIFX. Even though the organizers believe the forward-looking statements are reasonable and implementable, DIFX cannot guarantee to buyers of tokens the correctness of such forward-looking statements, as well as the intended results of the company's activities specified in them. DIFX will do everything in its power to fulfil predictions listed in the roadmap in good faith to the best of its ability.

Translations:

This Whitepaper and related materials are originally issued in English. Any translation is for reference purposes only and is not certified by any person if there is any inconsistency found between a translation. The English version of this Whitepaper prevails. Unless otherwise stated, all references to "\$" and "dollars" in this Whitepaper pertain to United States dollars. Any regulatory authority in any jurisdiction has not reviewed this Whitepaper.

RISK FACTORS

The risk of losing access to DIFX tokens in case of loss of private keys. A private key or a combination of private keys is required to manage DIFX tokens stored in your digital wallet. The loss of private keys connected to your digital wallet automatically leads to the loss of access to DIFX tokens. Also, if any third party gains access to your private keys or data to enter your wallet, access to your DIFX tokens can be lost. Any technical issues related to the wallet on which you store DIFX tokens, including your wrong wallet maintenance actions, can also lead to the loss of DIFX tokens. We strongly suggest you take every safety measure available to you to protect your wallet, your private keys, and your DIFX tokens. No DIFX tokens will be re-issued in case of loss or theft.



Ethereum Protocol Use Risk:

Since DIFX tokens and the entire DIFX ecosystem are based on the Ethereum protocol, any possible failure of the Ethereum protocol can adversely affect the ecosystem of DIFX and DIFX tokens, which are in circulation within this system. The development of cryptography and technological advances in blockchain technology, in general, can also pose a potential threat to DIFX tokens and the DIFX ecosystem, including token functionality and value.

Risk of Crack and Security Protocol Vulnerability:

Hackers and other organized crime groups may try to hack the DIFX ecosystem and assign DIFX tokens to themselves in various ways. The risk is associated with unpredictable actions of regulators and law enforcement agencies. Due to the imperfection of the legal framework, the legal status of DIFX tokens and blockchain technologies is not clear in some jurisdictions. It is impossible to predict any law enforcement actions regarding the operation of the DIFX ecosystem and the handling of DIFX tokens should the legal field change in such jurisdictions. It is also impossible to foresee possible changes in legislation made by legislative bodies of various jurisdictions related to the regulation of the blockchain sphere.

The possibility of such changes represents a potential risk for owners of DIFX tokens. This may include, for instance, an updated requirement by a certain jurisdiction to have DIFX conduct a compulsory KYC/ AML procedure, where it was not previously required to finalize the transaction.

Taxation Risk:

The tax component of the acquisition of DIFX tokens is not clearly defined. Your purchase of DIFX tokens can lead to adverse tax consequences, including income tax or another type of tax.



Risk Associated with The Development and Maintenance of The DIFX Ecosystem:

DIFX Ecosystem is under development and may be subject to significant changes and corrections in terms of technical operation up to the full completion of the development of the platform. The effectiveness of the DIFX ecosystem development largely depends on the number of DIFX tokens sold. Poor token sale results can lead to a shortage of the resource base required for the full development of the ecosystem. In case the project team does not collect the necessary amount required for product development (soft cap), all collected funds will be returned to the investors, minus the commission for such transaction.

The Risk of Liquidating A Company or Ecosystem:

One cannot rule out the possibility that for some reason, including an unfavorable change in the exchange rate of currencies such as ETH, BTC, or other cryptocurrencies, a drop in the level of functional utility of DIFX tokens beyond our competence may occur. Legal problems and intellectual property issues of the DIFX ecosystem can also disrupt the operation of the DIFX platform or completely liquidate the company.

Other Unforeseen Risks Cryptographic:

DIFX tokens are a new, technologically not proven technology. In addition to the risks associated with the factors listed above, there are some risks associated with the acquisition, ownership, and use of DIFX tokens. Such risks may represent various options or combinations of risks specified above. DIFX may change, delete or add any information in this document or documents reflecting the terms and conditions of its websites or applications, at any time at its discretion and without notifying the holders of DIFX tokens. Any such changes will take effect immediately after the publication of the revised versions of such documents. You are solely responsible for timely acquaintance with possible changes in them.



Your continued use of the Site and/or Services after any such changes implies your acceptance of them. There is a risk of losing all invested funds. If you do not agree with any such changes, do not continue to use the Site and/or the Service. All concepts and technical proposals outlined in this document are working hypotheses.

This Whitepaper may be revised at the company's discretion at any time to clarify the vision and communication it better to the potential investors. An updated version will be provided for downloading on the www.difx.com website. It is a user's responsibility to verify that the most recent Whitepaper is referenced before the time of investment. Buying DIFX tokens indicates your agreement with the Terms and Conditions and Privacy Policy found on the DIFX website.

Several cryptocurrency institutions have expressed interest in DIFX's services and partnerships. The reason for declining these opportunities is that we have confidence in DIFX's ability to succeed. We are delighted to have you with us on our journey to becoming a leading Centralized exchange.