



# DEXAGE

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## A DECENTRALIZED EXCHANGE WITH MULTI-TIER TRADING ECOSYSTEM

DEXAGE WHITEPAPER VERSION 1.0

*No. 1, User-centric Decentralized Exchange,  
P2P Escrow Trading and P2P Lending Marketplace*

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## **1. Abstract**

There are more than 200 crypto exchange platforms operating globally. Even though many of them are capable of handling large crypto volumes, the disadvantages with which most of them suffer makes the transaction on these platforms a risky affair. The biggest risk generating feature is their centralized architecture, in which a single authority controls the complete funds of the users, thereby, rendering them helpless and powerless in the scenario when the exchanges are hacked or shut down. For instance, in 2016, users lost around 12,000 BTC when the centralized exchange Bitfinex was hacked. With a centralized system comes network vulnerabilities which makes such platforms prone to hacking. Moreover due to lower liquidity base, the centralized exchanges are also more vulnerable to local price slippage and frequent fluctuation in the crypto rates. To counteract such challenges, DexAge has developed a decentralized, trustless, permissionless exchange platform where the control of the transactions will be in the hands of the users. The platform will be driven by the innovative concept of social web, where the interaction between the users, traders and investors will influence the growth and development of the DXG platform. Our user-centric platform will allow a myriad of peer-to-peer activities including crypto-crypto exchanges, crypto-trading, crypto-fiat trading, P2P lending and chatting through DXG chat Dapp. Since the platform will run on a decentralized blockchain network, all the transactions will be auditable and resistant to hacking due to their robust distributed architecture. By coordinating the exchange using smart contracts and involving user authorization during transaction, we will hand over the real power to our stakeholders to control their operations on the DexAge platform.

## 2. Introduction

Cryptocurrencies, with their slew of beneficial features, have taken the fintech world by storm. Their transaction, which occurs through a trustless, decentralized platform called blockchain, enables the users to trade their crypto assets without the involvement of a central governing body. The effect of this autonomy makes cryptocurrencies a lucrative digital cash system which is not bound by any government regulation, interest rates and exchange rates. Without any limiting government restrictions, these digital assets can be traded across countries and even be used for cross-border remittance transfers.

The effect of these benefits has been evident in the cryptocurrency market, which including both tokens and coins, has been on the rise since the launch of the first digital asset, Bitcoin, and shown a growth of more than 3000% in just 4 years from 2013 to 2017.

With the rise of these digital currencies, there has been an increasing demand of platforms to buy and sell them. Currently, there are more than 200 exchange platforms operating globally among which the major players are Coinbase, Kraken, Binance, Bitfinex, etc. Even though many of these platforms handle crypto-trade volumes exceeding \$1B every 24 h, they are not without their share of weaknesses.

The biggest weakness of these exchanges comes from their **centralized architecture**, which puts the complete control of the user's money on a single authority, rendering the users helpless in case of any mishap happening in the platform. For instance, the hacking of Bitfinex in 2016 led to the loss of 12,000 BTC, which couldn't be tackled effectively due to the lack of government intervention in crypto-trading exchanges. One of the major factors that makes these centralized exchanges much more prone to hackers is their vulnerable infrastructure with a single point of control and a solitary failure point. Such *network vulnerabilities* have led to many fraud cases occurring in these exchanges, like the one with Mt.Gox.

In addition to the *security issues*, such centralized exchanges also result in frequent *local price slippages* because of their low liquidity base. As there is just a single authority who decides the rules and regulations of these exchanges, the rate of the cryptocurrencies on these platforms is more *prone to fluctuation* than compared to other financial markets. Additionally, the rules of the transaction at centralized crypto-trading platforms necessitate the submission of *personal details*, which can be misused or even abused by the internal members of such platforms.

To tackle all the above challenges, DexAge comes with a promising crypto-exchange solution which leverages the decentralized peer-to-peer transaction system of blockchain. The irony with blockchain is that it is being widely used in various sectors like healthcare, banking, real estate to data storage, but is under-utilized in that one domain for which it was developed initially, that is, crypto-trading.

So, having taken cognizance of the above shortcomings, the aim of DexAge is to capitalize on the blockchain technology and develop a permissionless, trustless and decentralized P2P trading and P2P lending platform which blend security and autonomy in the crypto-trading process.

What sets DexAge apart from other attempts at creating a decentralized exchange system is its ingenious business model, by which the whole DexAge ecosystem will be driven using the social web between its users, traders and investors. The ultimate aim of DXG is to build a user-centric ecosystem where the company and its stakeholders mutually benefit each other and grow and develop together.

### **3. Overview of Cryptocurrency, Blockchain and Exchange Platforms**

#### **3.1 Cryptocurrency**

The technological experiment of Satoshi Nakamoto led to the advent of the first cryptocurrency known as Bitcoin. The highlight of this digital cash is that it operates on a decentralized peer-to-peer system with no central authority and prevented double spending of its users. Moreover, as other cryptocurrencies launched in the market, their other important advantages became evident, like their ease of transaction even during cross-border transfer, multiple functionality in the form of tokens, and their resistance to turbulent financial conditions like a volatile stock market and vacillating monetary regulations.

Such revolutionary features have made cryptocurrencies a major force within the investment landscape. Within four years from 2013 to 2017, the number of cryptocurrencies has shown an increase of 3,083%, and has reached the present number of 1993, as at 25 September, 2018, which can be further segmented into 896 coins and 1097 tokens.

As the statistic reflects, compared to the generic crypto coins like bitcoin and ethereum, the crypto tokens have shown a greater rise. More and more enterprises are adopting the tokenization of their services to facilitate user authentication, payment security, compliance management and many other corporate needs. The process of tokenization of products, services with other real-world assets is gaining greater traction as with its ability to reduce the potential everyday spending of investors while fortifying the value for money and encouraging a culture of saving.

As per Research and Market, the tokenization market size is expected to rise from USD 823.0 million to USD 2,258.6 million in the five years from 2017 to 2022, at a CAGR of 22.4%. Including coins and tokens, the whole cryptocurrency market valuation is forecasted to touch USD 1 trillion before 2018 ends, according to the LA token. A similar projection from them shows that the complete value of crypto assets is slated to hit USD 4 trillion by 2025 with their trading volume rising above USD 47 trillion.

### **3.2 Blockchain**

One of the reasons for the staggering rise of these cryptocurrencies, both in the form of coins and tokens, is the “blockchain technology” used for their transaction. Blockchain is a distributed ledger technique that enables peer-to-peer transaction without the involvement of a controlling governing body.

The beauty of the blockchain technology is that it is not restricted to the cryptocurrency sector. With the rising computer processing abilities, this versatile technology has become viable enough to be used for many far-reaching applications. The growth rate of blockchain is predicted to show an upward trend and as per the IHS conservative market statistics, its business value is expected to reach \$2 trillion by 2030. Currently, blockchain is being predominantly used in the following sectors, as per the IHS market data analytics:

- Banks and Financial Technology Institutions
- Media and Advertising Agencies
- Public Sectors and Government Agencies
- E-Commerce
- Logistics and Supply Chain
- Initial Coin Offerings (ICOs)

Among all its applications, the enterprises launching ICOs have been one of the major sectors that have seen the unprecedented use of blockchain. ICOs are an online fundraising mechanism through which a tech startup company developing applications for blockchain technology raises funds by issuing new cryptocurrencies, or tokens to be purchased by investors. From 2013 to 2018, billions of dollars have been spent in raising money for the ICOs.

Compared to the traditional fundraising systems, blockchain-based ICOs enjoy the lack of regulations, a larger pool of investors, a global presence, more flexibility for investors and more raised funds. In June 2017, funds raised through ICOs surpassed those raised through VC investments for the first time, according to investment bank Goldman Sachs. With the ICOs gaining recognition, as in the case of SEC in America that accepted ICO tokens as securities from July 25, 2017, the number of ICOs are purported to increase and drive greater blockchain innovations.

### **3.3 Exchange platforms**

As the number and value of cryptocurrencies increase, so does their demand, leading to a their increased trade and exchange through the exchange platforms. The result is that as compared to the 70 exchanges present in 2015, the exchange operating globally has skyrocketed to more than 200, with a total 24h volume exceeding \$2.5B.

The common feature of most of these crypto-based exchanges is that they are either fully, or mostly centralized. Their system consists of regional servers where the computer power and network is centralized and the crypto-assets are placed for trading on the exchange wallets, which are then reconciled and withdrawn when the user wants to use it. For the transaction on these exchange platforms, the users have to submit their KYC (Know your Client) details in most of the cases.

Out of the 200 exchanges operating today, only a dozen of them have gained a global customer base and a credible reputation. Among them are Coinbase, Kraken, Bitfinex, Binance, Cex.io etc.

Even though all of these centralized platforms possess beneficial features, each of them has certain demerits that create hurdles in the smooth transaction of cryptocurrencies. The aim of DexAge is to eliminate these disadvantages through the use of a trustless decentralized exchange platform.

#### 4. Challenges of the Centralized Exchange Platforms



##### 4.1 Lower Liquidity

Due to the presence of low liquidity bases, many centralized exchange platforms create an issue with liquidity. Especially in the case of smaller exchange platforms, which are characterized by a daily trading volume in the range of 1k BTC, several supply and demand problems arise and local price slippage issues occur. The result is that the buyer is compelled to cover the cost along with that of the network gas price, which is 1-10% higher than the original transaction costs.

##### 4.2 Loss of Money

When Satoshi Nakamoto launched the first electronic cash transaction system, he envisioned a decentralized system where the exchanging partners would not need to trust a third party and had quoted, *“The root problem with conventional currency is all the trust that’s required to make it work.”*

With centralized systems, the same problem exists because the customers need to trust these platforms and in case a fraud or breakdown occurs on these exchanges, there is a risk of the funds getting partially or completely lost. The case of BTCE, which was the

eight biggest bitcoin exchange platform till 2017 is a clear example of the risk that comes with trusting a third party. Due to the money-laundering and fraud related crimes committed at the BTCE exchange, the platform was blocked by the Russian law enforcement agency and almost 50% of the users lost their money.

#### **4.3: Access to Personal Details**

The centralized exchanges need the users to provide their personal details for buying and selling from these platforms. When KYC is conducted on these exchanges, the users need to provide the personal documents like passports and other photo IDs. These documents are under the control of a central authority who can misuse or abuse the details from such documents and create security issues for the users. In such monopolistic ecosystem, there is hardly anything that users can do once they make the investment.

#### **4.4: Greater fluctuation in rates**

Rates in a financial market can be manipulated by those few people who hold the majority share. In the case of centralized exchanges, since there is a single authority who decides on the rules and regulations, fluctuation in the cryptocurrency rates can occur with more frequency as compared to what is predicted by the market trends. Even if the rates are not acceptable to the users, they would not have any control over their money and may suffer from either increased risk of returns or inadequate returns.

#### **4.5: Security issues**

Due to the presence of a single point of entry in the centralized exchanges, they can be easily manipulated by hackers who can access its solitary failure point. In the scenario where the platform gets hacked or closes its portal, the users can end up losing a lot or whole of their money, like in the case of Mt. Gox. in 2014, Mt. Gox suspended trading and claimed that approximately 850,000 BTC belonging to the company and its users had gone missing. The lost value at that time amounted to more than \$450 million. Since the money is dealt in cryptocurrencies, there is even no government protection available in such cases.

#### **4.6: Higher Trading Fees**

As seen in the case of Coinbase, a high transaction fee may be charged by the centralized platforms, to the tune of 0.25% to 3% . Such high transaction rates add to the already fluctuating prices of the currencies and create greater financial stress for the users.



## **5. Enter DexAge**

DexAge is a **Decentralized Exchange** platform, enabling P2P crypto to crypto exchange, crypto-fiat trading, P2P lending and chat on DAPP, using a user-centric approach where the whole platform would be driven by social web.

### **Our Vision**

To create a trustless, permissionless P2P crypto exchange and trading platform that is autonomously driven by a synergetic web of traders, users and investors.

### **Our Mission**

DexAge strives to make our P2P platform an autonomous ecosystem where our users, traders and investors would serve as the fuel and not just as the nuts and bolts of our platform. The real growth and development of DXG lies in the empowerment of its stakeholders, which we endeavour to achieve through the multipurpose functionality of our DexAge tokens. By enabling our users to stake, vote, pay loans and manage their assets in a decentralized exchange, trading and lending marketplace, our end-game is for DXG and its stakeholders to thrive with the proliferative potential of cryptocurrencies.

Our DXG trading infrastructure is fortified by the fusion of a distributed blockchain with a decentralized social web and heralds a socio-economic paradigm shift in the current crypto trading landscape. A financial system which equips its members to manage their money at their volition without the interference of an inter-agent, is the future that DexAge envisions.

## **6. The core features of DexAge**

### **6.1 P2P Crypto to Crypto Exchange**

The decentralized DXG platform enables P2P crypto to crypto exchanges which empowers the users with complete control over the movement of the funds on the network. All the transactions would be coordinated by smart contracts which would be responsible for executing the trade settlement.

As users would exchange their crypto-assets, their balances would update in real-time and the final authorization would be taken care by them through their private keys. The authorization would prevent the users from rescinding any completed transactions and stop the DexAge platform from initiating any unauthorized transactions. Once the transactions are complete, the authentication details would be relayed to all the nodes of the network by the user.

The acquired crypto assets will be stored in permissionless individual wallets that wouldn't be controlled by DexAge and would offer complete autonomy to the user. For carrying out the next transaction, either during crypto-trading or crypto-lending, users can directly send their digital assets from these wallets to the DXG exchange. The role played by DexAge during the whole crypto-exchange process is to confirm the presence of sufficient funds in each party's account, ascertain the credibility of the

signed transaction and match the trade requests from its order book in case the transaction is approved.

## **6.2 P2P Fiat-Crypto Exchange**

Not just crypto to crypto exchange, but the DXG platform enables its users from different locations to exchange their crypto assets into fiat money, thus improving the liquidity of DXG in the process. Users can post the advertisements on the DexAge site detailing their exchange rate and payment method for the exchange. After responding to the advertisements, users have two options, either meeting the person directly and paying in cash or trading directly using online banking. For this P2P exchange, the crypto assets are held in escrow until the seller receives fiat payment from the buyer and then the tokens will be released to the buyer.. The benefit of crypto-cash exchange on DexAge is that it occurs on a decentralized platform, where the users can trade directly without the involvement of a central body, thereby, making the process fast and efficient.

## **6.3 P2P Crypto - Lending**

### **The need to take loans:**

Another way to reframe this statement to make it relevant in terms of crypto-trading is that how can each trader hold their crypto asset or tokens in the long or short term, even when there is a need of cash? The answer to this question is by using smart P2P loans as provided by DexAge. By availing our P2P loan service, the clients will have an option of not selling their crypto assets in case they discover through technical and/or fundamental analysis that an xyz token market value would demonstrate appreciation in the immediate future. In such a scenario, DXG will enable them to stake their xyz token as collateral and procure a loan in similar value.

### **The Benefit of DexAge P2P Loan:**

DexAge offers a fully decentralized platform for lending and borrowing of crypto-assets. Lenders and Borrowers who can respectively be DexAge investors or traders can create P2P lending agreements which will be based on the terms specified in the loan records. The loans/credits will be coordinated using smart contracts that will offer safety and security during the transaction without the interference of a central controlling body like a bank.

To ascertain the credibility of the borrower, their complete trading history will be displayed in the Borrower's profile. The lenders can choose a DexAge trader with a profitable and trustworthy trading history and initiate the lending process. Since, different lenders will compete with each other to provide the most competitive interest rate, every trader would have an access to a low interest rate irrespective of their location, something which is not possible in case of banks. Since the DexAge platform is built on blockchain, it enjoys the same benefits as other transactions on blockchain do, i.e., the encoding of business transactions, rules and conditions into an immutable distributed ledger which cannot be altered.

Though this digital ledger is accessible publicly and capable of independently verifying each node on the distributed network before the transaction is processed, none of it can be altered once the transaction is made.

When loans are granted in a traditional manner from the financial institutions or individual lenders, the whole process is burdened by a cumbersome bureaucratic

approach to enact the stipulated terms and conditions which are documented on a paper. The Blockchain proves an advantageous alternative to the traditional loan generation process because it enables smart loans to be processed using terms and conditions embedded in a smart contract. The Cryptocurrencies or tokens would function as loan collaterals which would be deposited by the borrower and held by a robust smart contract.

The end result would be a smart loan system guaranteeing no default and or loss of capital. At the expiration of the loan, if only the whole payment is received by the lender does the collateral go back to the borrower, otherwise it automatically gets confiscated in favour of the lender. The upside of the whole process is an error-free loan payment process involving the minimum intervention from either the borrower or the lender.

## **6.4 Mobile Chat Dapp for Socio-economic Transactions**

### **Why DexAge uses social web**

“Facebook, with over two billion monthly active users, can basically drive the mass adoption of anything” -Clement Thibault of Investing.com

The astronomic use of social media has ushered in a sharing economy, where peers read and share media content on various topics. The social media platforms like Facebook, Google+, Youtube, Instagram, Whatsapp, Telegram offer a rich ecosystem where businesses can easily connect with their current and potential clients and business partners can collaborate globally. Not just for connecting, social web has emerged as a major news source on many subjects, with 2/3rd of the American population using social media for getting their news.

The popularity and use of cryptocurrencies fluctuates with the kind of news that floats on the web. For instance, when positive cryptocurrency news, articles, posts, and updates dominate the news feeds, the price of these digital assets rise. In the same vein, negative trending news can have a detrimental effect in the value of the cryptocurrencies, as happened during the hacking incident of the Hong Kong based crypto exchange Bitfinex. When news about it being hacked became viral in 2016, the bitcoins observed a 20% fall in their price.

Similarly, in early 2018, the price of altcoins and bitcoins observed a downfall when giants like Google and Facebook decided to crack down on cryptocurrency-related ads. Such instances lend credibility to the statement made by Clement Thibault, about how strongly social platforms influence crypto trends.

DexAge strives to leverage this crypto-social relationship and grow its ecosystem by connecting all of its users on a social web. Moreover, emulating the same P2P model by which businesses connect and grow through the social media platforms, DexAge is introducing blockchain P2P for facilitating the crypto-exchange on its platform.

## **The P2P DAPP based on Social Web**

To promote the concept of a user-centric architecture, DexAge will come with a P2P mobile chat application where users would be able to engage in different exchange - related activities along with chatting. The four core facilities that can be availed by the users of the application are as follows:

- i. Crypto to crypto Exchange
- ii. Crypto-Fiat Escrow trading
- iii. P2P Lending
- iv. DXG chat

The idea behind this trustless social network of DexAge is to empower each user to have a say in the operation of the network and be able to play a critical role in determining the progress of the DXG platform.

Below are some features of the DXG Chat app that will give it an edge over other exchange platform and networks:

- A. The conventional social networks are ridden with the issues of goal-misalignment of each party, where the owner, advertiser and the user operate on the network with different interests and motivations. By following a users-as -stakeholders approach, the behavior of the DXG network would get aligned with the interest its users, thereby, creating a mutually beneficial environment where the platform grows with the progress of each stakeholder.
- B. The provision of the crypto-economic features along with the social ones will ensure the the perpetual growth and development of the DXG network because economic interests of users hold more weight than their social aspirations in the longer run.
- C. The collateral benefit of the evolution of the DXG chat app would be greater adoption of the tokens and technology of DexAge.
- D. A free and open-source messaging platform where users can engage in different exchange activities will lead to mass adoption because of its familiar and feasible model.
- E. Contrary to the centralized counterparts, the user-centric approach of DXG Chat dapp will improve the engagement of the stakeholders since they would be in absolute control of their personal information.
- F. Such an autonomous model will also enable our network to evade government censorship and restrict the ability of outside forces to limit the usage of the network. Therefore, all our users would enjoy the facility to chat and trade in a platform where not only their privacy and security is maintained but they also have control over the role they play within the network.

## **7. Challenges Resolved by DexAge**

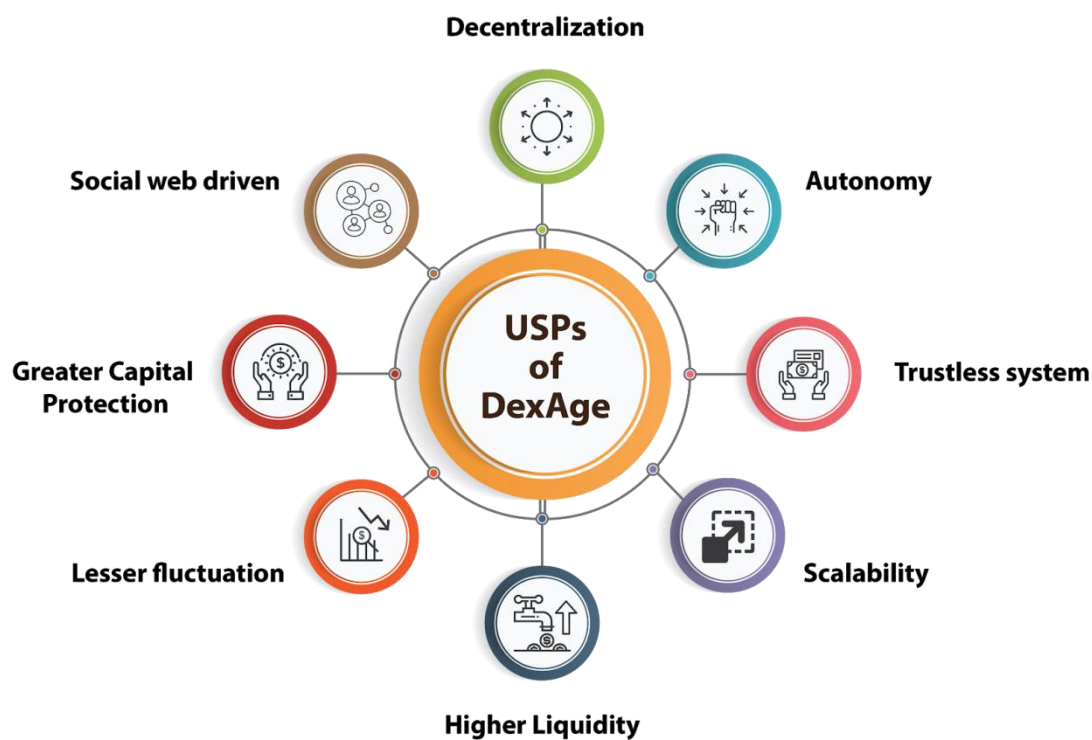
The autonomous organization of the DexAge platform is such that it resolves many of the challenges that users face while using centralized platforms.

- The decentralized platform of DexAge is made up of distributed nodes with a robust architecture that makes it resistant to hacking.
- Unlike the centralized exchanges that are headed by single authority, the DexAge ecosystem is created in a way that it grows through shared mutual interest.

- Since there is no monopoly of authority, there is no chance of all the user personal details being accessed by a third-party , with the added benefit of lesser fluctuation in rates.
- In the DexAge platform, the transactions would be safely automated by the decentralized escrow services, offering a secure P2P exchange, trading and lending system for the new blockchain economy.

An experienced team of software developers and financial experts have created DexAge while keeping security, speed, efficiency and scalability as the priorities. The DXG platform is constructed in such a way that it streamlines the user trading activities and prevents overload issues from occurring during mission-critical applications in the real-time.

## 8. USP of DexAge



**Decentralization:** The blockchain driven decentralized exchange platform of DexAge enables its users to carry out P2P crypto exchange, P2P crypto-Fiat trading and P2P lending in a robust ecosystem that is highly resistant to hacking.

**Autonomy:** The crypto-trading infrastructure at DexAge is an autonomous, self-sustainable system fuelled by the social connect between the traders and investors who use our platform. The lack of a single authority who controls the whole system hands over all the power to the stakeholders of DexAge, making them the prime force influencing our growth and development.

**Trustless system:** The P2P crypto transactions at the DXG platform, be it for exchange, trading or lending, would be coordinated by decentralized services providing secure smart contracts. Moreover, the acquired crypto-assets would be stored in personal wallets which

would not be under the control of DexAge, thus offering a trustless, permissionless exchange platform to our users.

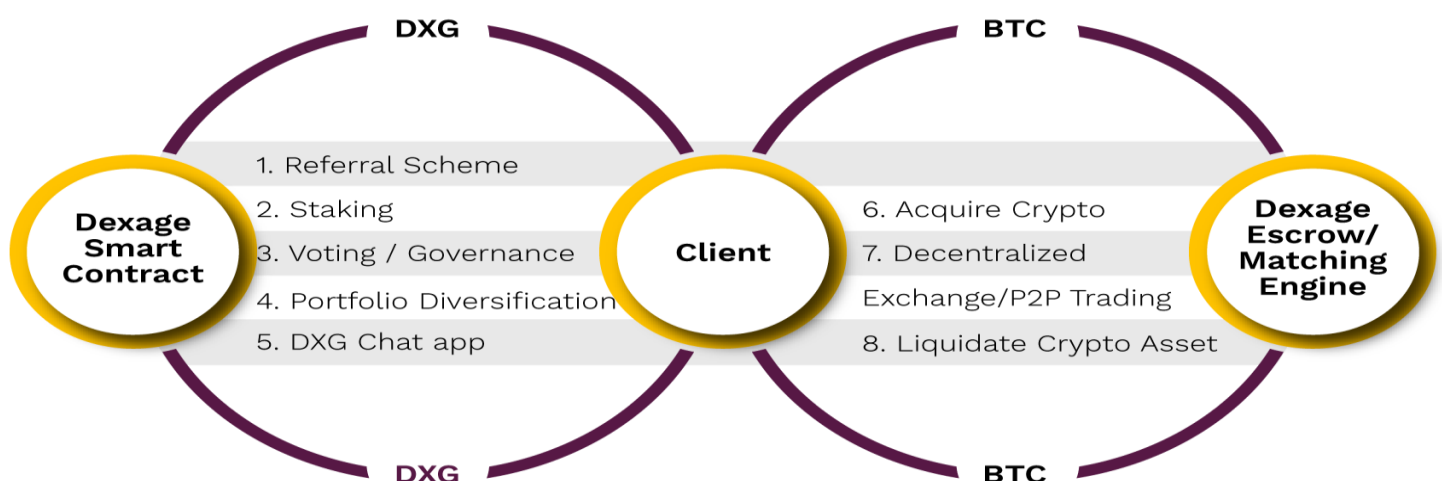
**Social web driven:** The innovative business model of DexAge will capitalise on the power of the people. The DXG platform along with the Dapp will not just allow our traders, users and investors to trade and lend crypto-assets but will enable them to communicate and share their ideas and knowledge while interacting with one another through metups and by chats on Dapp.

**Higher Liquidity:** With a projected financial base of over 20 Million Dollars, DexAge aims to eliminate the issues like local price slippage that occurs due to low liquidity base. Crypto-assets will undergo speedy conversion to cash/fiat money at the DXG platform as more and more traders and users would get bolstered by the social web strategy of DexAge and engage in the P2P crypto-trading and P2P crypto-lending.

**Lesser fluctuation:** DexAge promotes crypto-exchange, crypto-trading and crypto-lending through a peer-to-peer decentralized system that operates without a single governing authority that can lay down and alter the rules and regulations at its will. The trading and lending process at the DXG platform will be governed by consistent rules and regulations, and undergo the minimum changes over the years it functions. As a result, DexAge can assure the occurrence of least possible fluctuations in the rates of cryptocurrencies, unless happening as a result of a change in their actual intrinsic value. This approach will protect our stakeholders crypto-assets by mitigating the financial risks that arise in a fluctuating market scenario.

**Greater Capital Protection:** By carrying out crypto-trading and crypto-lending on a trustless, decentralized platform, DexAge predominantly gets rid of the security issues which stem from a single controlling body. The absence of a solitary point failure in the DXG architecture makes it hacking-resistant, thus enabling greater protection of our user's capital. The only role DexAge plays in the transaction process is to enable the efficient match between buyers and sellers, thereby eliminating any scenario where we can cheat on our stakeholders.

## 9. Business model of DexAge



The business model of DexAge leverages the social connect of our users, traders and investors to drive greater P2P crypto-trading, P2P crypto-Lending and P2P crypto-fiat trading across a blockchain-based decentralized exchange platform.

Our business strategy is built upon the following 8 pillars that will enable the sustainable development of our infrastructure, and achieve symbiosis between DexAge and its stakeholders.

1. **Referral Scheme** – A strategy of ‘Incentives for Recommendation’ will facilitate the consumer adoption process of DexAge. Awards in the form of DXG tokens will be offered to affiliates for every referral who invests or trades on our platform, driving the mutual growth of DexAge with its users.
2. **Staking:** This policy is a deliberate endeavour that entitles our stakeholders to achieve the optimum returns from their investment made to the DexAge platform. 30% of our total revenue generated will be shared with those who hold DXG stakes so that our profits can also transform into their benefits. So, for a projected minimum daily turnover of 358,738.163 USD, this amount translates into 107,621.4489 USD, that will be distributed in proportion to the DXG tokens staked.
3. **Voting and Governance:** For the evolution of DexAge into a Decentralized Autonomous Organization (DAO), our token holders will be empowered with the power to vote and take decisions governed by smart contracts. An implementation of this scheme will be demonstrated during the coin listing process which will be decided by community voting.
4. **Portfolio Diversification:** Through the Dapp, a single mouse click will enable our fund managers to carry out their crypto asset diversification. Our innovative DexAge algorithmic trading strategy will simplify the process of purchasing various coins while allowing the users to specify the percentage (%) of their fund they want allocated to each coin.
5. **DXG chat Dapp:** This is a revolutionary strategy adopted by DexAge which enables its users to send and receive the DXG tokens while chatting on our dapp.
6. **Crypto Acquisition:** The main feature of our DexAge web/dapp is to enable seamless P2P crypto to crypto exchange between our buyers and sellers. The transactions are automated via smart contracts which eliminate the need of a monopolistic authority. Crypto assets acquired from the DexAge agents can be used for trading or as loan collateral.
7. **P2P trading:** DexAge offers permissionless personal wallets which are not controlled by us as in the case of other centralized exchanges. The crypto funds acquired from our agents can be sent to these wallets and exchanged for decentralized and trustless P2P trading. The only role DexAge plays in this phase is to match the trade requests from its order book via the DXG engine. However, DexAge may advise its users but such advice is not a rule of the thumb.
8. **Crypto Asset Liquidity:** Due to the constant interaction on the social web and the efficiency of the DXG platform, the clients will be enabled to efficiently convert their crypto-assets into cash, and enhance the liquidity of DexAge. As in the case of crypto-exchange,

crypto-trading and crypto-lending, these transactions would also be overseen by decentralized escrows, without the interference of DexAge in the process.

## 10. Matching Engine of DexAge Decentralized Exchange on Ethereum

The transactional integrity of the DXG platform comes from the top-tier matching engine developed by the expert engineers at DexAge. Its robust architecture ensures that the orders never get stuck, even when the matching engine is overwhelmed.

## 11. Features of DexAge Exchange

Through continuous development and upgrade, the DexAge platform will get equipped with advanced and innovative features to facilitate the exchange between buyers and sellers:

1. Decentralized Crypto Exchange
2. P2P Fiat-Crypto Trading
3. DXG Staking
4. P2P Lending
5. Mobile Chat Dapp for Socio-economic Transactions
6. DXG Decentralized Autonomous Organization
7. Intelligent One-click Diversification for Crypto Asset Manager.

## 12. Revenue model of DexAge

The following sources would be responsible for generating our projected revenue:

Source	Description
<b>1.Exchange Fees</b>	A 0.1% fixed charge per trade . As a result, a 24 hour trading volume of 358,736,134 USD will generate 358,736.134 USD profit.
<b>2.Crypto-Fiat trading Fees</b>	0.5% fixed charges per transaction
<b>3.Premium coin listing fees</b>	To be charged in the scenario where the coin is not listed by community voting.
<b>4.Withdrawal Fees</b>	To be charged for covering the blockchain transaction cost
<b>5.Premium listing on mobile chat dapp</b>	To be charged to list the coins on DXG chat dapp.
<b>6.Loan Processing Fees</b>	To be charged on loan transactions



## 13. Services

### 13.1: Coin Listing

DexAge will offer technical and customer support to carry out the exchange/trading of the following coins/tokens:

MARKETS				
EOS	BTC	ETH	USDT	DXG
BTC/EOS	ETH/BTC	BTC/ETH	BTC/USDT	BTC/DXG
DXG/EOS	ADA/BTC	ADA/ETH	EOS/USDT	EOS/DXG
ADA/EOS	EOS/BTC	EOS/ETH	ETH/USDT	ADA/DXG
XRP/EOS	DXG/BTC	DXG/ETH	DXG/USDT	ETH/DXG
ETH/EOS	XRP/BTC	XRP/ETH	XRP/USDT	XRP/DXG

More coins will be added to this market after the initial launch of DexAge. All the coins to be listed will be stringently scrutinized to adhere to the liquidity criteria as well as the stipulated credibility standards. Post the approval by our core team of crypto- experts, the community members would use smart contract to place their votes prior to the final addition of the token to the platform.

It is to be noted that if your coin meets all our eligibility criteria, then the process of coin listing can be carried out free of cost. This free listing feature is exclusively provided to the community members. For outside members, a premium fee has to be paid for listing their coin on the exchange or mobile Dapp.

### 13.2 Language support

The DexAge platform shall support a wide-range of international languages including French, English, Chinese, amongst others. The purpose of multi-lingual functionality is to help promote and permeate DexAge within the untapped French, Asian, and other markets where there are high chances of language barriers to arise.

## **14. Customer Acquisition**

The in-house team of marketing experts at DexAge has created a marketing strategy that aims to enhance the visibility of DexAge brand and DXG token in the traditional as well as the digital landscape. For making our potential customers aware of the significance and versatility of DXG tokens, we have leveraged social media influencers, online marketers as well as conventional mass media which will engage with and inform our potential clients and investors all about our platform. The marketing strategy would involve a multi-pronged approach of using airdrop campaigns, referral and affiliate programs, and strategic partnerships between its various stakeholders, point of sale as well as through the feature of DexAge Smart P2P Loans.

### **14.1: Airdrop Campaigns**

An airdrop campaign would be carried out using DexAge social media handles which includes Telegram, Facebook and Twitter in which every successful participant shall receive at least 3000 DXG tokens with an estimated value of 0.15 ETH(\$30). The campaign would be carried out using Ethereum blockchain platform, where for every referral our clients and investors can earn an extra 50 DXG. The purpose behind the airdrops campaign would be to enhance the reach and accessibility of the DXG ecosystem for all our potential clients.

### **14.2: Referral and Affiliate Programs**

As stated and described previously in the DexAge Business Model, every affiliate whose referral trades or who invests in the DXG platform shall be incentivized with DXG tokens, encoded in smart contracts. The purpose behind this strategy is to promote the adoption process of DexAge among its clients in a way that it benefits both our stakeholders as well as the DexAge. Working towards the same aim, DXG will also encourage and support the activity of crypto-trading and provide crypto-relevant workshops, transforming novices into smart traders. Our end goal is, “Every DexAge affiliate will be trained to be a veteran trader, legendary promoter and ardent holder of the DXG token.”

### **14.3: Strategic Partnerships**

As explained in the Business model, the social web of the stakeholders will drive the growth of DexAge. The crypto-space of our platform will involve a slew of strategic partnerships whose ultimate aim would be the advancement of our business model in a way that is beneficial for DexAge as well as our community of traders, users and investors. For instance, when DexAge will gain complete autonomy, its community will be empowered to vote and via smart contracts before specific partnerships are concretized.

### **14.4: POS – Point of Sale**

The feature of crypto-asset management will be a lucrative option for those merchants and fund managers who need to streamline their Bitcoin cash flows. A B2B (Business to Business) marketing and promotion strategy has been devised so that the retailers wishing to make and accept crypto payments will be able to manage their crypto assets using the one-click diversification scheme of DexAge. To counter the frequent fluctuations in BTC price that acts as a major deterrent in the adoption of crypto in retail checkouts, we shall provide an easy, flexible and customer-friendly user interface that will make the act of crypto-use and management much more effortless.

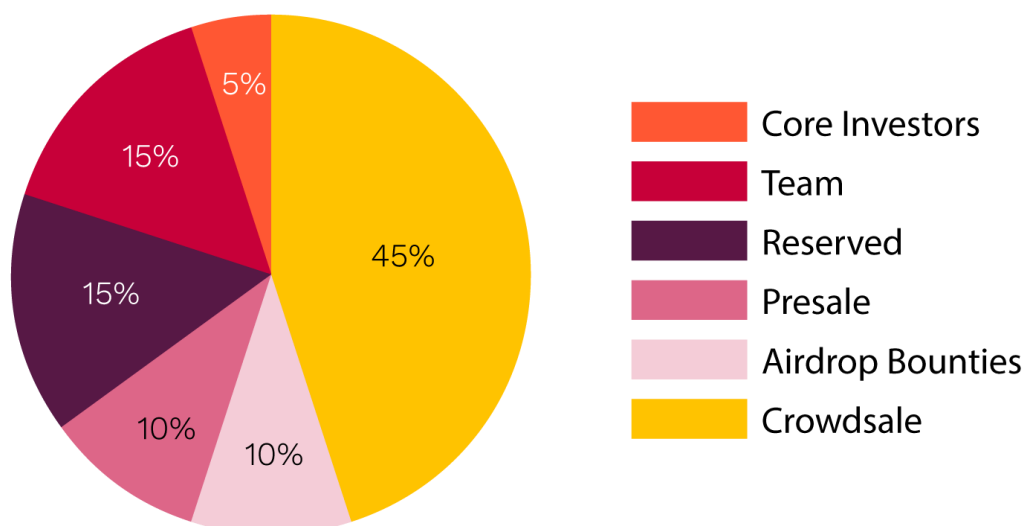
## 14.5: DexAge Smart P2P Loans

Process of DXG P2P smart loans: The DexAge marketplace will empower the crypto Investors and creditors with opportunities where they can mutually execute loan transactions. The creditor would be able to specify the interest rate (e.g. 7.5%) and the loan duration (e.g. 35 days), while interested investors or traders would simultaneously stake their collateral for acquiring the loan. DexAge will perform the function of selecting and listing viable tokens with their active project development teams. The ultimate advantage to the borrower and lender would be an ecosystem where the complete loan transaction process is carried out in a secure, transparent, permissionless, trustless and decentralized manner using the Ethereum Blockchain.

## 15. DexAge ICO Details

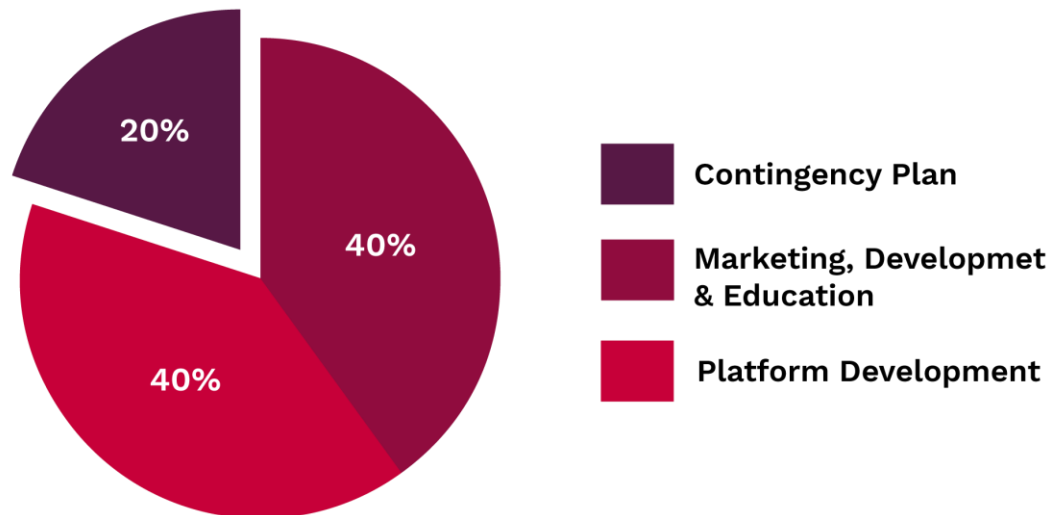
TICKER	DXG
TOKEN CROWDSALE PRICE	0.00005 ETH
PRESALE PRICE	0.00003 ETH
SOFT CAP	25,000 ETH
HARD CAP	120,000 ETH
TOTAL TOKENS	5,000,000,000 DXG
TOTAL CIRCULATING SUPPLY (70%)	3,500,000,000 DXG

### Token Allocation



The DexAge ICO would be conducted on the Ethereum blockchain platform. For the purpose of payments, coins and tokens in the form of BTC, ETH, and EOS would be accepted. The unsold DXG tokens left after the crowd sale event will be burnt. The provision provided by DexAge is to lock each team members' tokens for duration of one (1) year.

### 15.1: Funding Development



### 15.2: DexAge Buyback Plan

As per our buy-back strategy, 20% of the revenue generated from the DexAge platform would be used to buy-back and burn DexAge tokens at the end of each quarter. The whole buy-back and burn process will continue until half (50%) of the DexAge tokens are destroyed out of circulation, thereby changing the demand/supply ratio.

DexAge endeavours to maintain an overriding autonomy with a user-centric approach based on a highly decentralized mechanism so that the power to grow and develop the platform would be in the hands of DexAge's community of traders and investors. Using the advanced blockchain platform with innovative crypto-trading features, we aim to provide the world P2P trading and lending marketplace that will be safe, secure, fertile and enduring.

## 16. Why should Investors buy DXG tokens?

### 16.1: Versatility and Stability

DXG tokens can be used for a host of functions, including staking, voting, payments, transactions, collateral, etc within the DexAge ecosystem. The benefit of such multiple functionalities would be a wide scope of applications for the DXG tokens, which along with minimum price volatility would guarantee stability for the stakeholder in the long term.

### 16.2: Profitability

To transform the profits accrued by DexAge into an advantage for our stakeholders, 30% of the revenue generated by us would be shared with them and distributed as per the DXG tokens staked. Moreover, the price of tokens can rise due to our strategy to alter their demand-supply ratio through the act of buying-back tokens with 20% of our revenue until 50% of the supply is burnt out, resulting in greater profits for our users.

### **16.3: Portfolio Management**

Using the one-click diversification tool of DXG platform, the merchants at DexAge can manage their crypto-assets and allocate the funds to be allocated to each coin at their own discretion. The tokens can be used as collateral in the P2P loan feature of DexAge, thereby, enhancing the liquidity of our currency base.

## **17. Roadmap**

### **17. Meet the Team**

#### **1.CEO/CO-FOUNDER (CHIEF EXECUTIVE OFFICER)**



**Precious Kenneth W.**

MD/CEO, Nyxel Integrated Services  
([www.ngexchanger.com](http://www.ngexchanger.com))

#### **2. CTO/ CO-FOUNDER (CHIEF TECHNOLOGY OFFICER)**



**Suanu Neenwi**

Lecturer, Department of Computer Science,  
Ken Saro-Wiwa Polytechnic, Bori

#### **3. BUSINESS DIRECTOR AND HEAD OF OPERATIONS. Europe**



**Godoy Wogu**

Project Manager and Blockchain enthusiast

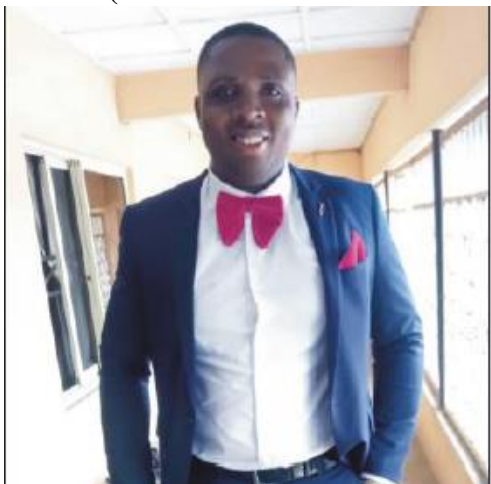
#### **4. COO (CHIEF OPERATIONS OFFICER) Africa**



**Stanley Ukaoma**

Director/Consultant Digital Asset Trading Academy (DATA).

#### **5. CFO (CHIEF FINANCIAL OFFICER)**



**Kenneth Chile W.**

Blockchain Enthusiast/Manager, Ngexchanger.com

#### **6. CSM (COMMUNITY SUPPORT MANAGER)**



**Jude Umeano**  
Editor-in-Chief  
[www.nigeriabitcoincommunity.com](http://www.nigeriabitcoincommunity.com)

## **7. Senior Content Manager**



**Zuzana Mejdrova**  
Blockchain Enthusiast, Editor and Writer

## **8. Legal Advisor**



**Kingsley Idisi (ESQ)**  
(Principal Partner, MAVS Chamber, Nigeria)

## **9. Solution Architect/Lead Developer**





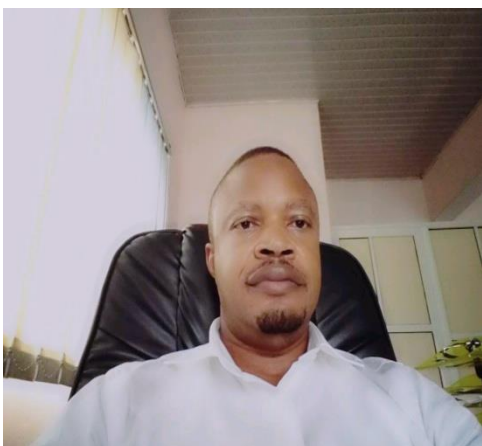
**David Oti**  
(Software Developer, SnapiLABS)

#### **10. Marketing Advisor**



**Manoj Rana**  
Project Manager, SEO expert and Digital Manager

#### **11. Chief Strategy Analyst**



**Owoh Onwuchekwa Ogbuefi**  
Financial intelligence coach, Strategy Analyst and Consultant





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