

WHITE PAPER ON ARKTUR



Table of Contents

1.0 ABSTRACT	2
2.0 BRIEF HISTORY OF PAYMENT METHODS	3
3.0 UNDERSTANDING CRYPTOCURRENCY	4
3.1 BLOCKCHAIN TECHNOLOGY	5
3.2 THE CRYPTO INDUSTRY	5
Fig 1.0	6
4.0 E-CURRENCY EXCHANGE	7
4.1 FACTORS THAT DETERMINE GOOD E-CURRENCY EXCHANGE	7
4.2 ROLES OF E-CURRENCY EXCHANGE IN THE CRYPTO INDUSTRY	8
4.3 ARTKTUR E-CURRENCY EXCHANGE	9
4.4 ARKTUR COIN (ARKT)	10
5.0 REWARD MECHANISM	10
5.1 RUNDOWN OF THE REWARD SYSTEM	11
6.0 BENEFITS OF ARTKTUR E-CURRENCY EXCHANGE	12
7.0 ROADMAP	12
8.0 CONCLUSION	13
9.0 REFERENCES	13

1.0 ABSTRACT

Payment instruments have evolved over the years. One glaringly obvious observation about their evolution is that the flaw of an existing instrument of payment (at the time) necessitated its change. By design, those setbacks couldn't be fixed, leaving the users or country with no other choice than to discard them, eventually. And at that transition point, the introduction of the new medium of payment was gradual, up until the time the new payment instrument took over the market, completely. This paradigm shift has been going on for centuries. The latest payment instrument is cryptocurrency, and it is introducing decentralization – a feature the current paper currency lacks. Well, as expected, it is facing its peculiar snags, such as criticisms from the government circus and rejection by members of the public. Indeed, these setbacks are, however, not unexpected.

But, as virtual currency continues to penetrate the market, many stakeholders, critics and crypto pundits can perceive the bright future that it offers. Consequently, they are hurriedly acquiring it so as to get the most out of the crypto industry. Suffice it to say that cryptocurrency is growing at an exponential rate but not without a handful of pitfalls. By and large, the growth spurts have been encouraging, making investors to smile to the bank (exchange) every now and then. Apart from stakeholders, critics and crypto pundits acquiring cryptos, many companies are launching their products and services on the blockchains and releasing their cryptocurrencies. These companies get involved so as to form the key players that will redefine the crypto industry in the near future. These coins used as utility coins in those companies are known as altcoins.

While these events are playing out, there should be a secure platform where cryptocurrencies can be exchanged for fiat currency and vice versa. This is called an e-currency platform. Indeed, cryptos wouldn't have gone thus far had e-currency platforms not existed. E-currency platforms offer crypto users the much-needed platforms to exchange their coins. And Arktur e-currency platform is taking e-currency exchanges to a whole new frontier by developing a robust platform with interestingly low charges for services executed at extremely fast speed. Arktur e-currency exchange has a coin known as Arktur (ARKT), which will be used for offsetting bills for services rendered on the exchange and membership registration. It will integrate Proof of Work, Proof of Stake and Masternode algorithms. All this will work seamlessly to reward the active system participants. As an e-currency exchange committed to redefining the crypto spectrum, Arktur e-currency exchange offers investors lots of exciting benefits that are detailed in this technical paper.

2.0 BRIEF HISTORY OF PAYMENT METHODS

Over the years, man has used many different types of money for the exchange of goods and services. From Asia to Africa, North America to Europe, Australia to South America, the story remains the same. Money keeps evolving chiefly because the type of money used at the time was unable to offer all the functions it ought to have. As a result of this setback, a new payment instrument would be developed. And backed by the local chiefs, emperors or government, the deficiency inherent in the existing medium of payment would be corrected.

At a time, *trade by barter (also known as the barter system)* was the norm. It was very popular around the world, [including the US and Europe^{\(1\)}](#). People who practiced it interchanged any commodity or item for another. Much as it was the popular medium of payment at the time, trade by barter had many failings, which necessitated its subsequent replacement. Some of its drawbacks were absence of common measure of value, indivisibility, etc.

The barter system gave way for cowry in many parts of the world. [Cowry^{\(2\)}](#), a polished, bright shell of a marine gastropod from the *Cypraea moneta*, would later become yet another payment instrument. Its [use^{\(3\)}](#) was predominant in West African countries in the nineteenth century just before the abolition of slave trade in the sub-region. Apart from its use in Africa, cowry shell was also used in South Asia and East Asia for financial transactions. As a matter of fact, cowry was believed to be the earliest currency used in [Central China during the Neolithic period^{\(4\)}](#). The cowry shell had no design and required to be counted in large sums to be able to exchange for large quantities of goods. It was a failing that cowry had at the time. Its use as an instrument of payment ended in the twentieth century.

Over time, the world would progress to a much better payment instrument, *the coin*. It was believed that the Chinese were the early people who spent coins. Coin as currency dated back to 3000 to 4500 years when they were spent as mere metals. [The first emperor of China](#), Qin Shi Hang, introduced copper coin in 210 BC. As time went on, coin would become widespread, remaining relevant even to date. But coin has such demerits as being weighty, scarcity of raw materials, costly to make, etc.

Today, there is *paper money*. Paper money effectively addresses all the drawbacks linked to coins. But paper money has many flaws itself - one of which is centralization. Basically, the government of a country prints paper currency and determines its value, availability, liquidity, etc. In clear terms, this is a snag as it means only the government will determine the amount of money people would have in the country. Consequently, traders, merchants

and workers need a payment instrument that they have greater control over. And virtual currency, otherwise known as *cryptocurrency*, serves that purpose, perfectly.

3.0 UNDERSTANDING CRYPTOCURRENCY

Also known as crypto, token, coin, virtual money, alternative currency or digital currency, [cryptocurrency](#)⁽⁵⁾ is a decentralized digital asset built on the backbone of blockchain technology to work as a medium of exchange, using encryption (cryptography) to secure financial transactions, verify the transfer of assets and generate more units. To create more units of cryptocurrency, new transactions are added to a distributed public ledger called the blockchain.

The [recent history of cryptocurrency](#)⁽⁶⁾ dates back to 2008 when Satoshi Nakamoto, a pseudo name or group, developed the first cryptocurrency called Bitcoin. The pseudo name or group released a paper detailing how the virtual currency should be implemented. It was later implemented the following year, 2009. Today, there are other cryptocurrencies on the crypto sphere, and they are collectively called the *alternative currency* or *altcoin*.

Cryptocurrency has become increasingly popular around the world because:

- It involves little or no transaction cost
- It is transferable and convertible
- Pseudo-anonymity
- Immunity from the as-is banking system
- Trustless ownership and exchange
- Real-time transparency
- It is an international payment instrument (it is borderless).

3.1 BLOCKCHAIN TECHNOLOGY

On the other hand, blockchain technology underlies the cryptocurrency. The cutting-edge technology is secure, decentralized, time-stamped and openly distributed ledgers linked by chains, informing the name *the blockchain*. These blocks are secured using cryptography and contain transaction history, information, stocks, etc. The blockchain technology connects nodes that share information and resources via a decentralized, trustless and peer-to-peer network.

The blockchain technology features are encapsulated below:

- Decentralized
- Global
- Encrypted

- Peer-to-peer
- Immutable
- Programmable
- Public
- Secure
- Distributed.

3.2 THE CRYPTO INDUSTRY

Cryptocurrency is gradually revolutionizing the way everyday people do business. Indeed, the advent of Bitcoin in 2008 changed the global financial services industry the way finance czars never foresaw. Today, cryptocurrencies are gradually taking over the industry, growing exponentially and creating an entirely new economy. On the other hand, the crypto-economy has created hundreds of thousands of new jobs for traders, programmers, etc. Aside from creating these new jobs, cryptocurrency has also made many traders millionaires overnight. Yes, the crypto industry is growing at exponential rate, compelling investors to key into it.

Given that cryptocurrency has charted its clear course, many companies and governments around the world are increasingly accepting it as a payment instrument. As of April 10, 2018, [about 1,565 cryptocurrencies](#)⁽⁷⁾ exist in the global crypto market. And many more are hitting the market on a daily basis. The reason is simply that the market appears promising, encouraging companies to join and make the most of it. Again, cryptocurrencies are poised to take the place of paper currency given that they (cryptos) feature certain functionalities that paper currency lacks – chiefly, decentralization. Much as the growth rate and proliferation of cryptos are unprecedented, many virtual currencies have suffered a major fall in the market at one point or another as pitfalls are inevitable occurrences in all markets. But, by and large, crypto growth rate has been heartwarming, making investors to smile to the banks. And the growth spurts clearly indicate that that new whales are joining the market. Well, its rise has also rubbed off on its market cap as shown below:

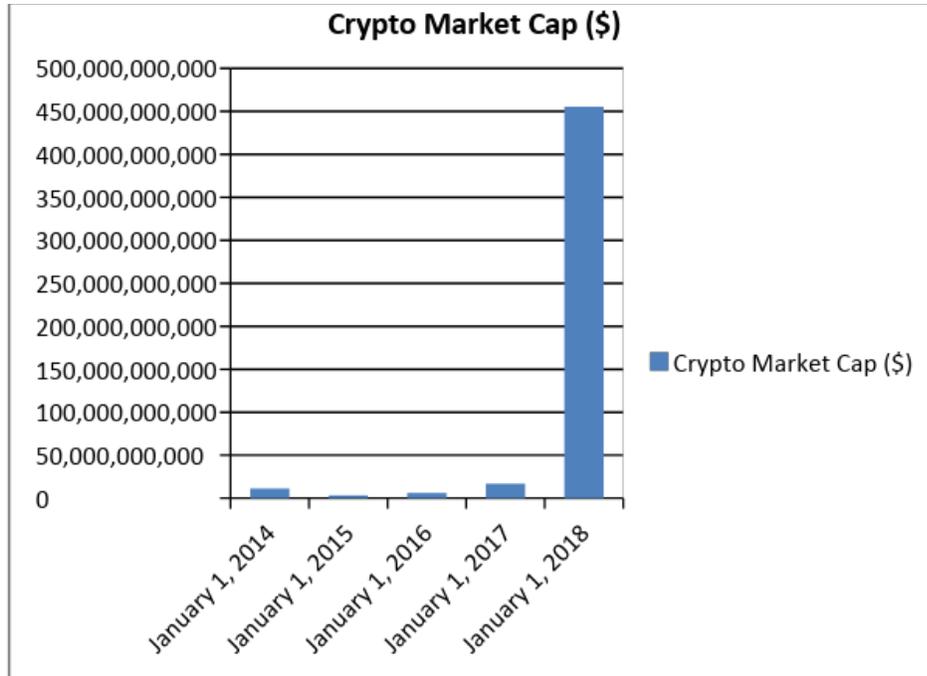


Fig 1.0 Credit: [Valuwalk](#)⁽⁸⁾

The diagram above shows that the top 10 cryptos rose from US\$11.3 billion in January 2014 to US\$455.5 billion in January 2018, translating to a rise of US\$444.2 or 190% in market capitalization in five years. But there was a shakeup in February 2018, as [the market cap of the crypto market](#)⁽⁹⁾ settled at \$447.98 billion. Indeed, the market hasn't been steady on the path of peak or fall, but market trends suggest that cryptos are on the path of upward transition more than that of a nosedive. This positive trend has impelled many companies and investors to embrace the currency, leading to the increase in number of altcoins competing in the financial market. And Arktur token is one of the cryptos poised to unlock the huge untapped potentials of the industry.

4.0 E-CURRENCY EXCHANGE

One cannot separate cryptocurrencies from e-currency exchanges. Also known as digital currency exchange, [e-currency platforms](#)⁽¹⁰⁾ are legal platforms that enable users exchange fiat currency to cryptocurrency, cryptocurrency to fiat currency and cryptocurrency to cryptocurrency. All these transactions are possible on e-currency exchanges but not without a fee. Usually, a dropdown menu giving users a wide array of options is on display from where the user selects which transactions they wish to perform.

As regards the commissions, they are paid in either fiat currency (such as the US dollar) or the native coin of the platform. The commissions charged on e-currency exchange could come as fixed fee or a *spread*, the difference between the standard exchange rate of the currency and the rate at which the exchange is offering the currency. At some other times, their charges come as percentages of total amount involved in transactions.

On exchanges where users are offered membership plans, the customers are more likely to enjoy either free transactions or subsidized charges, depending on the membership plan they subscribed to. These membership plans are subject to monthly or annual renewals, usually at a fixed rate. Where this is the case, customers who do not subscribe to membership tariff plans usually pay more commissions to the e-currency exchange.

4.1 FACTORS THAT DETERMINE GOOD E-CURRENCY EXCHANGE

As digital currency continues to make inroads on the market, many merchants are beginning to accept them as payment instruments, given that they are usually more valuable than the fiat currency. So, when they have crypto wallets, one challenge they may have to grapple with is choosing the right e-currency exchange for concerting their cryptos to fiat currency (when the need arises). Here are salient factors to look out for in this regard.

- **Security:** The most important factor to look out for before transferring coins (or fiat currency) to exchange is security. The reason is that exchanges are easy preys of cyber attackers. So, the first factor to look out for in an e-currency exchange is the platform's protocol. It must have **Https://** and not **Http://**. Well, "S" connotes "secure," meaning that the site employs topnotch a security protocol
- **Good Customer Reviews:** Customer feedbacks are critical in e-currency exchange. Good e-currency exchange trusts the service they provide and makes provisions for customers to review them.

- **Domain names:** Furthermore, good e-currency exchange always cannot be hosted on a free server. Take, for instance, a good e-currency exchange cannot be hosted on a three-level domain name such as arktur.exchange.com. But when it is second-level domain name such as **arktur.cc**, then it already has a stamp of approval on it
- **Instant Transaction Processing:** Also, on good e-currency exchanges, transactions are performed rapidly. This is a very important factor because it helps to build customers confidence, thus compelling the user to leave a positive review.

4.2 ROLES OF E-CURRENCY EXCHANGE IN THE CRYPTO INDUSTRY

As the crypto industry continues to grow, one of the most important frameworks that underlies its market cap growth is the e-currency exchange. But how does e-currency exchange support its growth?

- **Acceptance:** Every payment instrument must be acceptable, and this is a unique function that e-currency exchange brings to the crypto sphere. By creating a platform where crypto investors can perform crypto-crypto exchange or crypto-fiat exchange, it sends a strong signal that cryptos are increasingly becoming accepted globally
- **Liquidity:** Another critical role that e-currency exchange plays is engendering crypto liquidity. By offering a particular exchange rate, investors can exchange any crypto to fiat currency, most especially in climes where cryptos are considered illegal. By providing this function, e-currency exchanges are stimulating crypto liquidity
- **Confidence:** With reliable e-currency exchange readily available for investors to exchange any digital currency of their choice, e-currency exchange encourages many crypto investors to invest in ICOs (Initial Coin Offerings). ICOs have helped thousands of companies around the world to generate funds, enrich investors and create wealth. Therefore, e-currency exchange builds crypto investors' confidences.

4.3 ARTKTUR E-CURRENCY EXCHANGE

[Arktur e-Currency Exchange](#)⁽¹¹⁾ is a fast, reliable and tamper-proof blockchain-based platform that will offer automated e-currency exchange services. On Arktur e-Currency Exchange, there will be over 5000 reviews and 1000 regular customers. In addition to all the above-mentioned features, Arktur e-Currency Exchange will feature all the benefits of

e-currency exchanges discussed earlier. It also fulfills the factors of good exchange discussed above.

Underlying the robust blockchain technology, Arktur e-Currency Exchange will deliver a user-friendly platform with industry competitive fees and commissions. On the exchange, major operations will be performed in less than 10 minutes, thus giving traders assurances that speed is one of the focal points of the platform. Fees of operations performed will be charged in the Arktur coins. Arktur e-Currency platform will run on all Operating Systems, such Windows, Linux, Mac, Web Tablets, etc.

Unlike the other e-currency exchanges, Arktur e-Currency Exchange will provide a robust, automated platform for users to change their currencies, eliminating system delays and providing topnotch security. For customers who wish to exchange cryptocurrencies, they have [log on to the platform](#), and select of transaction they wish to perform from the dropdown menu. It is that easy!

As a platform where customer satisfaction is the topmost priority, customers get responses to their applications within 10 minutes of placing such requests.

Registered customers will enjoy our referral program as they are entitled to 25% of the earnings realized on Arktur e-Currency Exchange. This loyalty program will promote community engagement and members of the community get rewarded for introducing new users to the network. Also, regular customers will get system reward in discounts for specific number of transactions as will be detailed in the user's account profile panel.

Noteworthy is that Arktur e-Currency Exchange will change crypto to fiat currencies and vice versa. Here's an important disclaimer: the staff or representative of Arktur e-Currency Exchange cannot contact clients via Skype, mail, phone or other communication channel for the purpose of performing exchanges. All exchanges are performed on our platform following our guidelines. Arktur e-Currency Exchange will have a Customer Complaints Unit that resolves all transaction issues within **24 hours**.

There are different membership plans on the platform. Regular users are encouraged to choose any plan of their choice as they have different terms of service. Interestingly enough, Arktur e-Currency Exchange has a membership plan that offers exchange fees at %0.

4.4 ARKTUR COIN (ARKT)

Arktur Coin is the native coin of the Arktur e-Currency Exchange. Transactions will be billed in Arktur Coin as displayed on the [website](#). Also used for membership registration, Arktur coin is a decentralized and anonymous cryptocurrency, which works on XEVAN algorithm and uses small video (GPU) capacity. By working on XEVAN algorithm, Arktur

Coin is protected from attacks. Security is critical on exchanges as recurring waves of cyber attacks on exchanges in recent times have become a cause of concern to many investors. To forestall this misfortune, Arktur Coin is minted to be tamper-proof by underlying XEVAN algorithm.

Summary of Coin Information

Coin Abbreviation: ARKT

Coin Type: POW/POS/Masternode

Algorithm: XEVAN

Blocktime: 60 seconds

Coins maturity: 120 Blocks

5.0 REWARD MECHANISM

Arktur e-Currency Exchange will employ three consensus algorithms in its reward system. These algorithms comprise Proof of Work (PoW), Proof of Stake (PoS) and Masternodes. Also, 100,000,000 ARKT will be created for running the exchange. While the PoS reward is pegged at 20% from each block, Masternode collateral is 10,000 ARKT. As regards the Masternode reward, it is benchmarked at 80% from the PoS blocks.

PoS reward (20%) and Masternode reward (80%) will effectively keep the system secure by ensuring that the system stays decentralized. Notice that if PoS dominate the system by percentage, chances are that the system will be overrun by big stakers, thus tilting it to their favor. And if that becomes the case, then the system will become centralized.

But Masternodes having greater rewards will see to it that Masternodes are providing essential services in order to keep the system running. And they will get their rewards for such essential services. It will be pretty uneasy for Masternodes to dominate the system as many users may not have the capacity of providing the services required of Masternodes. Therefore, having a sizeable number of Masternodes will keep the system secure and

healthy.

The Masternodes in our system will:

- Ensure the privacy of the system
- Increase the speed of transactions
- Pay higher interest rates while staking

5.1 RUNDOWN OF THE REWARD SYSTEM

Here is a breakdown of the reward system as tabulated below:

i. PoW Scheme

	Number of Blocks	Allocated (ARKT)
	1 (premiere)	Premine (500,000)
	2 - 500	5
	501 - 1,000	10
	1,001 - 1,500	20

Table 1

ii. PoS Scheme

	Number of Blocks	Allocated (ARKT)
	1,501 - 2,000	10
	2,001 - 5,000	130
	5,001 - 8,500	170
	8,501 - 12,500	210
	12,501 - 21,000	250

	21,001 – 35,000	125
	35,001 – 100,000	75
	100,001 – 1,100,000	60
	1,000,001 – 1,500,000	45
	1,500,001 – 2,300,000	15
	2,300,001 – Total Supply	10

Table 2

6.0 BENEFITS OF ARTKTUR E-CURRENCY EXCHANGE

Arktur e-Currency Exchange is modeled to become one of the biggest e-currency exchanges to grace the global finance services industry. To this end, here are the benefits that the exchange will bring to its investors:

- It offers attractive reward system (Masternode: 80%, PoS: 20%, etc.)
- With major transactions seamlessly executed by system smart contracts in less than 10 minutes, Arktur e-Currency Exchange will deliver rapid processing of requests without avoidable system delays
- A team with experienced finance and crypto gurus
- A truly decentralized system which enables P2P protocol trading
- Advanced system security
- The company will be duly registered with traceable address.

7.0 ROADMAP

We have perfected the following strategies for this project:

- Create social media channels and groups
- Launch [official website](#)
- Start project (TestNet)
- Pre-Ann or BITCOINTALK
- Official BITCOINTALK Topic
- Translation and Bounty Campaigns
- Listing on Exchanges
- MN statistics site listing
- Social media campaign
- Twitter Bounty campaign

- White Paper release
- Online Web Wallet
- Android Wallet
- Launch MVP
- Company Registration
- Arktur Cryptocurrency/Fiat Exchange Beta Platform

8.0 CONCLUSION

In conclusion, we can emphasize these two salient points:

- Arktur e-Currency Exchange is set to launch a blockchain-based revolutionary e-currency exchange that will offer unique functions and mouthwatering benefits
- Aside from its functions and benefits, Arktur e-Currency Exchange's highly experienced team will work round the clock to give other e-currency exchanges a good run for their money.

Click [here](#) to get started!

9.0 REFERENCES

1. <https://en.wikipedia.org/wiki/barter>
2. <http://www.dictionary.com/browse/cowrie>
3. <https://blackthen.com/cowry-shell-instrument-of-payment-wealth-and-power-in-west-central-africa/>
4. https://en.wikipedia.org/wiki/history_of_chinese_currency
5. <https://en.wikipedia.org/wiki/cryptocurrency>
6. <https://cryptocurrencyfacts.com/>
7. https://en.wikipedia.org/wiki/List_of_cryptocurrencies

8.

<https://www.valuewalk.com/2018/01/meteoric-rise-crypocurrency-past-5-years-chart/>

9. <https://investmentbank.com/crypto-growth/>

10. <https://www.investopedia.com/terms/d/digital-currency-exchanger-dce.asp>

10. <https://cryptocurrencyfacts.com/what-is-a-cryptocurrency-exchange/>

11. <https://arktur.cc/>

12. <https://arktur.cc/demo>