



COMNO

WHITEPAPER



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V.0.9

COMNO NETWORK is the first self institutional token to launch globally in the world
Combining the blockchain with fintech and financial services
To produce a stable cryptocurrency, and maximise the profits of its investors



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Executive Summary Overview

Two billion people worldwide do not have access to financial institutions and freedom. The global economy will continue to thrive if `FINTECH` will position itself for the disruption it brings to the space of financial investments.

Two billion people worldwide do not have Business Management Techniques, We have also put this into place, by Guiding Our investors With investment management ideas So everyone Would profit from the COMNO project During the long run.

There is a need to bridge the gap between the digital and non-digital assets. That is the solution to mass adoption of Cryptocurrency. Hence, investors will not be bothered About pump and dumps Because we have put in measures To Be immune to it.

THE LAUNCH OF COMNO TOKENS WOULD PROVIDE UNIQUE SOLUTIONS TO CURRENT REAL-LIFE FININCIAL PROBLEMS.

Problem statement

Cryptocurrency investment needs the attention it deserves. Cryptocurrency will solve several mainstream challenges like currency conversion, cross-border remittances, high transaction and charge-backs among merchants. Below are the problems identified by the Comno team. We seeking to address the following;

1. Crypto assets volatility
2. Pump and dump scheme cases.
3. Undefined return on investment in assets.
4. The redundancy to mass adoption of crypto projects.
5. Poor business innovation and ideas leading to loss of investment.

Comno Vision

Comno technology will drive mass adoption into Cryptocurrency. Our approach is a unique investment model and use of technology to develop institutional self-driven token that will encourage investors and enthusiasts while ensuring they have pre-defined ROI using the Blockchain and Business AI facilities.

We are investing in capital and sustainable projects and will use the following to ensure that the investors and participants get fair shares of their investments.

Tokenizing investment options.

Unique investment locking System.

Smart facilities to immortalize participant assets and inventories

Comno Mission

We are resolute to use different investment strategies to ensure Comno enthusiast have a fair and predictive return on investment; our mission is to build a win-win decentralized self-driven institutional token that will bridge the gap between crypto and non-crypto assets. Hence, increasing mass adoption.

Introduction

Comno network project is powered by SWISS-DU. a team of experts From Switzerland and Dubai With vast experience within the emerging technological space, by leveraging on the blockchain and physical Business assets.

Comno is a decentralized self-institutional token recolonizing the crypto market space through Blockchain, Fintech, and investment. Comno is breaching the gap between physical asset and digital assets It is giving a new wave on how we invest and make a profit on the technological space. Comno technology is a prototype of a Blockchain based framework which is designed to serve the need of investors using artificial intelligence in business strategies to predict, store and analyze data such that investments will yield higher returns. Using the combination of artificial intelligence and Blockchain, Comno is building a new paradigm in investment; their tools are indispensable and are bringing resolution to the investment sector, making it easier than ever. The following are why the new approach is needful:

- ❑ **Predictive Analysis** Market statistics and volatility will always fail investors if they want to predict the changes, and metrics, the artificial intelligence tools will not only get it done faster but will assure more accurate reading and analysis. Comno technology will use these tools to analyze different investment markets for its community, by so doing; the participants will know the reward of their investments.

- **Automated Virtual Assistance** Among many upcoming technology start-ups, Prop-tech; the convergence of property and technology is significant in the use of autonomous drones, big data, and artificial intelligence to transform the property sector. Same is several others doing in other investment sectors. It exemplifies the features of real estate in the Prop-tech 3.0 developed in 2014 where blockchain assures secure storage of property data and investments. You can get other things done through comno infrastructures, which takes care of their investment decisions and stores data respectively while executing them. The dynamics of oil and gas price, for example, demands a robust assistant model to ensure a maximum investment goal. That is the kind of assistance the Comno technology will provide for its enthusiasts/ investors. It also makes the right Business management and investment decisions for its investors Enabling them maximize their profits.

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- **Fraud Detection and Claim Management** The Blockchain is a Secure and trusted system. As transparent and decentralized as it is, it reduces fraud in investments through hash rate, transaction confirmation principles of the Blockchain. The primary cause of fraud in investments is that there is a central system, a third party between investors and the stakes, hence, third-parties can manipulate investment as they wish to favor them. Comno technology, a decentralized financial investment infrastructure, will use Blockchain and AI to solve the third-party issues in investment.
- All COMNO Transactions Are stored on The Secure COMNO-blockchain and can NEVER be altered Not even by US.
- A Comno wallet is encrypted with an ECDSA private key. this makes it difficult for users to lose their token to Hackers.
- KYC or customer identification process enables the user have their identity Verified, start trading at the exchange and make withdrawals. With all this, We can Guarantee a 99.9% safe system.
- **Accurate Decision Making** When making an accurate decision, a decentralized model is not a choice, but what is the solution. The investment strategies of the centralized ecosystems will most times differ from statistics for several obvious reasons, a decentralized ledger technology, DLT has enabled by Blockchain will secure the intelligent decisions made by the AI business investment tools, Comno algorithms; a case study, the tools take decisions of next investment options for the investor in a transparent and easy to use, trade and execute manner

GOVERNANCE AND REGULATION

Governance and regulation of the Cryptocurrency ecosystem are at a decline presently. It is not almost fully regulated, and only a few government institutions acknowledge its suitability as a legal tender.

This absence of governance and regulation is a significant setback to the mass adoption of Cryptocurrency because:

- Some people who are yet to get into the Cryptocurrency market doubt its credibility since the government of their respective Countries has refused to grant their full assent.
- Those who are already investors are easily taken back by speculations and regulations since they know it is not regulated. These class of investors floats with the crowd bringing about volatility in the market.

Blockchain A transparent approach to financial investment

The Blockchain is considered a revolutionary approach to the modern economy. Blockchain seems to be a mirage years back until after the renounce experimentation conducted by Satoshi Nakamoto, its first manifestation through bitcoin, its manifestation has not seized to bring revolution to many industries, if not all.

“In the '90s, the invention of the internet, a foundational public network that galvanizes a radical transformation to global economy while creating a whole slew of new ones and the world wide web was a wonder, many see it as a buzz, while others took advantage of it. Whether chosen or not, the impact and applications are not hidden as

it cuts across all spheres of life. The blockchain is another wonder of the world.

The Blockchain: the new internet whose major stride is building a decentralized economic, social and developmental standard ecosystem while assuring security, privacy, transparency, among other characteristics. it uses the decentralized ledger technology to ensure that the actions of the third party is no longer necessary, since it results to high transaction fees, chargebacks, cross-border differences, and lots of abnormalities.

Third party activities interfere with the use, storage, and management of our data. For instance, some investment sectors impose hidden charges to their investors. However, most preferences may be for selected group of people as some people could alter the System and bypass the charges. Despite due diligence to get accurate data, there will always be abnormalities caused by third-party interference.

The smart contract features are among the many attributes that made blockchain exceptional, and it is a self-regulating and trustless framework formed by a set of algorithms or computer codes to negotiate and execute dialogues, metrics, data sampling, surveys, businesses, organizational needs etc.

When parties enter into the smart contract for specific functions, the third party is not needful. Hence, ensuring automatic execution of terms based on pre-defined conditions. However, the blockchain has public and private, closed and open source infrastructures which make the technology ideal for almost all industries. Let's say, financial technology, mainly the investment needs a wide range of interoperability to solve investment needs of different class and types of investors.

FINTECH AND FINANCIAL INVESTMENT ON THE BLOCKCHAIN

Every financial decision and investment needs automation; hence, the need for the hybrid is the new black. Fintech, a robust and all-inclusive economic solution is the hybrid. The new Fintech includes artificial intelligence, data-driven marketing, predictive behavioral analytics and the use of machine learning as well as the blockchain facilities to help companies, promoters, investors, and interested parties have better management and metrics measurement of investments, and operations.

In the web 2.0 era, all investment data, financial statistics, and operations, as well as the global economy, operates a centralized system, in this case, hidden charges, manipulations, chargeback, and inconsistent analytics are endemic — the banking institutions like every other sector experience several limitations of the centralized financial solution drive. Financial investment is usually through the banks that are subject to a central system called the central bank, Federal Reserve, and many regulatory institutions. Investors are not only funding the projects but paying unexpected bills while not been at rest in the outcome of the investments since the data and market metrics may differ for several reasons. With the above stated, investors spend nights on monitoring their funds. On the other hand, the financial institutions will be hands on deck to provide the needful under severe restrictions from the central bodies as well as the fear of attacks, bugs, and breakdown of human factors and operators.

Take an impact investor, who invests on social and environmental

projects, can humans guarantee full control over the outcome of the market, site and production metrics? Or a forex trader who trades currency pairs, how would same achieve perfect timing, order limit, entry time, buy/sell or stop order? Certainly not possible without the new functionalities enabled by the new financial technology.

The impact investor may be a European who invests in African sustainable development project; the project needs the roles only possible by using artificial intelligence, blockchain data-driven analytics, and many others to forecast, store, and report investment development and details. Imagine a new plot is built; if the project is an affordable real estate project, how will the investor know that there is a sale or buy opening or new building while in Europe? The cost of frequenting the site, keeping track of records and ensuring the data is not damaged is many times the cost of an artificial intelligence report and sampling tool and building a blockchain shared ledger technology respectively.

Why Artificial Intelligence and Blockchain in Financial Investing?

Artificial intelligence is the theory and practice of building tools capable of performing tasks that requires information. The blockchain is a decentralized, shared ledger that stores and manages encrypted or cryptographic data across nodes; the data, since encrypted, is a tamper-proof and robust database.

Blockchain-base frameworks are designed to serve the needs of artificial intelligence agents as they interact with each other and external customers can enable the emergence of collective intelligence.

Investment for all class of investors: average, and sophisticated investor.

It is necessary to know how sizeable various investment types are, below are the statistics of different investment options;

the report “GIIN 2018 annual impact investor survey”, based on survey responses from 229 of the world’s leading impact investing organization, bankers, etc. estimated an over USD228B in impact asset.

Global real estate is expected to generate revenue of USD4, 263B by 2025 according to a new report by Grand view research Inc. while global energy investment, venture capital, and foreign direct investment are USD1.8T, USD155B, and USD432B in 2017 respectively. The above statistics do not include forex, stock, bonds, etc., but suggest that the global investment market is broad, hence, the need for real-time, wealth management and healthy investment future as well as investment models where participants will be duly rewarded for their inputs.

Cryptocurrency investments; volatility is the major setback to mass adoption

From 2016-2018, over USD13B is raised through ICOs, and half of the fund is raised in 2018. This huge amount is from projects that seek to use blockchain ICO facilities to raise funds for their various projects, about 85% of the ICOs has failed due to several crypto market volatilities and econometrics. The decline in the success of investors’ funds on each project after the prize of tokens go far below the token sale price in the secondary market is not encouraging investors and the crypto community at large. It is worthy to note that almost all blockchain projects tie their token to either Bitcoin or Ethereum.

Market Differences & Characteristics

Comno's mission is the various investment sectors; the team hopes to take advantage of the dynamics of the industry to yield a stable return beyond Bitcoin or Ethereum market and prices. The technical analysis of the token will be related to Bitcoin or Ethereum. If Bitcoin goes USD2, 000 from USD5, 000 it was at the time of the tokens initial coin offering, the price of the token in the secondary market becomes a ratio of Bitcoin or Ethereum price.

The graph below shows the rate of the volatility of the crypto space, fig 1 explains high/low of a trade view between December 2017 to January 1st, 2019.



Created with  TradingView

24 hours is not a long time for the crypto market to crash out of the blues. The above graphs illustrate better. For example, ALTCoin, Aeron(ARN) experienced a 337.29% in 24 hours.

Bitcoin experience a growth of 1,318% in 2018 at a peak value of USD19,783 on December, 27th 2017.

The biggest rise of 2017 was Ripple which 36,018% growth within twelve months.

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WHY COMNO

Why you should choose the comno institution project

Note that Since the pre-existing cryptocurrencies are not self-driven tokens, they are driven by several factors including demand, users choices, the utility of the Cryptocurrency and secondary exchanges. As an illustration, the price of a Cryptocurrency goes up if the utility that it can offer increases. This will lead to an increase in demand for the Cryptocurrency. So the success of any Cryptocurrency depends on its circulation and usage, and with this several factors below crypto will be facing issues .

1. **Lack of Institutional Investor:** institutional investors can give a crypto a solid base with a mega investment, but only a few institutions are still ready to invest in cryptos. This is significantly affecting the stability of the cryptocurrency market.
2. **Lack of Central Regulation:** Since cryptocurrencies are yet to be accepted by any jurisdiction and not considered as legal tender, they are not controlled by central banks. When there is no regulation, volatility is bound to occur because investors are not sure if their funds are safe and thus, the crowd can easily be swayed by fear of their funds insecurity.

- **What is the problem facing institutional investors?**

The major problem preventing institutional investors from investing in cryptocurrency is lack of Government backing for cryptocurrencies. Since they are big organizations, they strive to play within the confines of what the

Government of their business environment approves.

Institutional investors are entities that pool funds together to invest in a project, in this case, a cryptocurrency project. They include hedge funds, banks, insurance companies, etc. They are of paramount importance to any investment platform because of their investment power. Their non-participation in the cryptocurrency market is leading to volatility problems. The cryptocurrency market is volatile. There is a need for a cryptocurrency that can annul this volatility on its own.

3. **Lack of Fundamental Value**

Since cryptocurrencies don't have inherent worth, i.e. they don't earn any form of revenue or bonuses, it is impossible to know when it is overtraded or under-traded. They primarily rely on market sentiments and cannot nullify fluctuation effects through its own generated values.

With Comno technology coming into the picture, its going to change all issues being faced by the crypto space regarding volatility, since its a self-driven token against the user-driven type of token in circulation. It is using investments to bring assistance and imminent return on investment to token holders. Hence it will not be subjected to the rapid volatility experienced by the various crypto projects because it is not affected by external market outcomes, but internal business and investment decisions.

COMNO TOKEN

WHAT IS A COMNO TOKEN

Comno token is the first Blockchain self driven institutional token which does not rely on external bodies for its token growth it has a final total supply of 600,000,000 tokens represented as CMO. It will be sold during its token sale phases to investors and contributors in the Comno space .

INVESTMENT TOKENIZATION

While investing in real estate, auto industries, every investment is tokenized on the Blockchain DLT. The above is possible since our AI business tools are consistently feeding and assisting in making investment decisions and execution. Investors who partake in the various investment packages will know the unit purchased and the pre-defined reward per time using the AI algorithm feature.

Business Infrastructures and Strategies

Comno Project will bring a strategic stability by using Part of its contributors raised funds during The Initial token Offerings to venture into Various Strategic business Sectors, Via Our partners who are already successful institutions that can bring forth profit within. With more innovative business strategies, comno tokens can significantly Boast of a consistent token growth within a predictive range of 0.02\$ to 1\$ Monthly. From Our Business Profit Returns, Reserved Funds, and CMO Token Lock mechanism, we have also implemented a Price dump hold utility system. which prevents The Token price from dropping in an enormous value.

The logo consists of a black hexagon with a white stylized 'C' inside, followed by the text 'COMNO DUBAI REAL ESTATE PARTNERS' in a bold, black, sans-serif font.A photograph of a man in a white thobe and ghutra standing in the foreground, looking towards a modern city skyline with numerous skyscrapers across a body of water.

Most funds generated from the ITO are channelled to our investment partnered infrastructures, and also those gotten from our most transparent investment staking system are also channelled here, we have already secured partnership in real estate through the co-founder with an infrastructure worth 20 Million dollars with the strong global demand in real estate. This is a One time live saving opportunity. To our potential investors To secure Future Profits from us.

The logo features a gold hexagon with a stylized 'C' inside, followed by the text 'COMNO COMNO INDUSTRIAL SECTOR' in a gold, sans-serif font.

Even thus the Rate in oil sector has seen some drop, it's a good and profitable venture to invest in. We are also able to secure a spot here with our team partnership in oil exploration within Africa and oil industries with more than \$31M worth of assets. We think for kicking off, we are absolutely good to go.

The logo for COMNO INDUSTRIAL SECTOR, featuring a stylized 'e' inside a hexagon followed by the text 'COMNO INDUSTRIAL SECTOR'.

Comno and its team through its influential partners we are able to secure a spot in manufacturing of industrial goods. with manufacturing infrastructure worth \$16M. This will give us a boost Too. Venturing on businesses which are used daily and globally is the key to constant fiat flow And a shorter ROI Time.





PARTIAL AND FULL CMO LOCKING MECHANISM

Since the platform is not relying on external crypto market conditions or bodies except its investment routes, it will lock 50% of investors or participants tokens for specific periods while ensuring that the dividend of investment is distributed according to AI business strategies and tokenization term.

Comno Locking Mechanism As Form Investment And Mining Block For Generation

Comno network is introducing a much easier way for its members to grow their tokens as form of investment and mining. Running the Comno locking mechanism settles for every block creation while making transactions on the Comno network. Below is the chart for users who participate on the comno investment and Mining. Note that at the moment all users must pass through the locking mechanism this is to aid the building up process of the whole platform. So 50% are locked and 50% are allowed to be utilized by users which include exchange and withdrawal.

54,000,000CMO is allocated for mining and investment gains. Note all mining and investments will only last for a year or less, because all tokens will be completely mined, this will cause scarcity and opportunity by making our tokens be in high demand if there is no more token to be mined hence all gains will be from only token growth which is influence by our physical business assets and its profit stream. Below is the chart for mining and investment pools gains .

Proof Of Work And Mining Pool Rewards

- From estimations, A new block would always be mined within the range of 8 – 12 Minutes. Once a new block is mined, Comno users would earn an average of 0.000695% from the total locked CMO tokens being used as investment. This would Act as Mining rewards distributed to all CMO investors For Successfully Mining a block. Therefore, the more Locked tokens you have determines the amount of CMO tokens you will receive daily. This Should sum up to an average of 2.5% in a month. This is not a fixed or permanent reward of POW from the investment mining pool.
- The Daily Profit Amount Earned From The initial Locked Tokens Would Be Rolled over to the Initial Locked CMO Balance. This in return would Continuously boost the CMO Mining Profit return Due to the initial Mining Token increment.
- After the ITO, The Investor Can Either Choose to stop the Entire Mining process and take out all tokens, Add more tokens and Continue mining, or continue mining and take out only the profits. Users who continue to mine would continue to Earn Higher Rewards Throughout The mining Period.



MAX SUPPLY:	600,000,000CMO
ITO SUPPLY:	360,000,000CMO
MINEABLE:	54,000,000CMO
A.D.P %	2.5% - 2.9% OF TOTAL LOCKED CMO
Block Rewards	0.000695% Per 1 Block Creation.
A.D.P = (Average Daily Profit)	



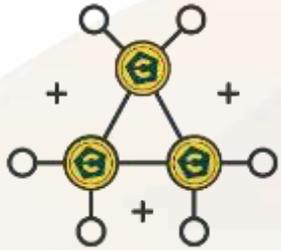
From the briefing above, they are just graphic illustration on what's on ground most of our core strategies are secured and are not shared openly for now, for we need to be on top of our game and competitors? Our strategies are unique, our position out there in the market with our uniqueness we are unstoppable with your support .

Comno Technology And Infrastructures

Financial technology has evolved to solve all financial needs among financial investments. If the right technology is used, groundbreaking innovation will continue happening in the industries. The Comno team is using two mainstream technologies; Blockchain and artificial intelligence in business strategies to solve different investment problems as shown in the previous sections.

Comno will use its cutting-edge technologies to harness, store data, manage, and secure sustainable investment opportunities for investors, with these, the returns or reward from these real-time participations will help investors have fair shares against the speculative and volatile crypto-utility token standards.

INFRASTRUCTURAL FEATURES



Integrated Own Block Explorer

Comno integrated its own block explorer so you can easily monitor all sales and exchange transactions on the platform. (<https://explorer.comno.io>)



Integrated Web Wallet

Comno offers its users an initial integrated web wallet and security private keys. Throughout its initial token offer process, users can securely save their tokens or assets.



Ease Profit Withdrawal System

Comno technology is equipped with an automated profit alert system so users won't miss out on a particular profit event and a one-click withdrawal system.



Security For User Data

Comno offers its users a tight security for the data they share with us with a 100% trust encrypted end-to-end.

Business Infrastructure



Comno has initialized all its business enterprises, this is to assure our users that all these business enterprises and strategies are already kept in place so we are not starting from scratch.

Internal Web Exchange



Comno users are open to exchange 50% of their token right from the 3rd to 4th ITO phase. Users can exchange to any coin of their choice. Note: individual self investment strategy is required here.

Token Dump Holder



Comno is introducing a coin dump hold utility system which holds coin price at a specific strong hold, this is one of our trading strategies.

COMNO KYC



Customer identification process enables the user to have their identity verified. KYC will be validated on the platform if the information provided is correct. Once the documents are verified, all account limits will be lifted. Users will be able to purchase tokens and start trading at the exchange and make withdrawals.

The Target Market and Why You Should Participate

The project is meant for every crypto investor who wants to be able to fairly monitor his investments while enjoying substantial stability on his investments. Several investors are beginning to lose faith on the Cryptocurrency market.

The solution to the volatile nature of the crypto market will drive mass adoption which has been the hope of major industrial players overtime. If crypto assets are tied to bitcoin or ethereum, same volatility will continue. Comno technology is the institutional, self-driven assets that will solve current market uncertainties.

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BENEFITS FOR PARTICIPATING

Investment packages



Smooth transparent investment staking system, with packages to suit different investors according to user capabilities.

Stable Profit & Coin growth



Our platform will provide a constituent profit and coin growth increase in value for long term holders and traders, a win-win situation for all participants.

Industrial Experts

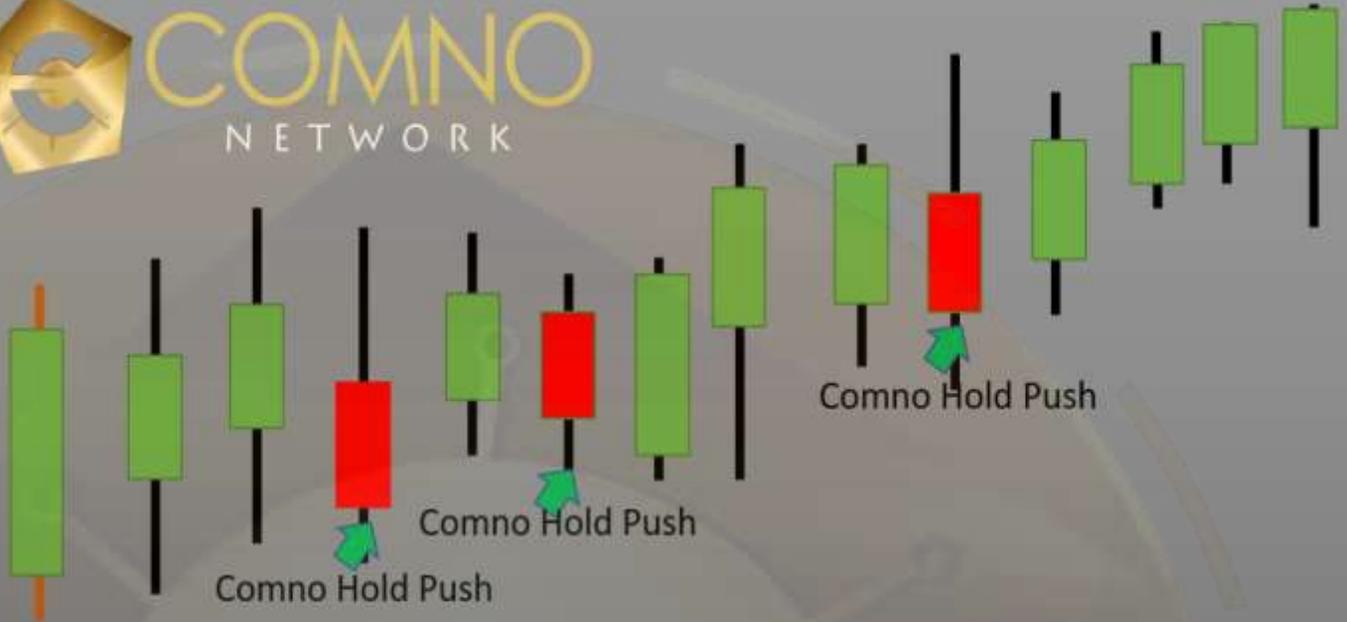


We have partnered with one of the best experts out there in the industry.

Immunity To Volatility



Be assured with our AI utility trading strategies, users should not be afraid of coin drops, but rather a consistent growth improvement for the token they bought.



Blockchain Self Institutional Token

IMMUNITY



HOW IT WORKS

Our platform is creating opportunities for the following:

Global sustainable development, investment in Blockchain, Fintech, real estate, Transportation, energy, and industrial power. All Monitored by AI.

There are currently several conferences, and events on ,creating affordable housing, pollution free oil and gas sector (clean energy), etc. for global survival especially the developing and under-developed countries, we and our partners are reaching out to ensure the future of mankind is secure. To achieve this aims, they needed an infrastructure that can help funders build a lasting, sustainable investment too while investing in those projects. With this abundant source of revenue stream and lots more through Comno innovative platforms, our participants should be well assured of their investment and their contributions with a consistent revenue stream.



HOW COMNO ADDRESSES AND RAW TRANSACTIONS ARE CREATED

HOW A COMNO ADDRESS IS GENERATED & PROCESS USED TO CREATE ADDRESS FROM PRIVATE KEY

TO CREATE ANY CRYPTOCURRENCY ADDRESS, 1ST WE NEED TO GENERATE A SECURE PRIVATEKEY.ALGORITHMS & ENCODERS USED MT_RAND(), SHA256, RIPEMD256, BITCOIN_BASE58(THANKS TO THEIR CREATORS)

1. THE USERNAME, (can never be changed once account has been created, AND of course can NEVER BE REUSED :-D) {which means there will NEVER BE A COLLISION OF KEYS even if the next 4 billion DECADES.}
2. THE TIMESTAMP OF REGISTRATION (which can easily be bruteforced by a few smart dudes ;-)
3. THE USERS FIRST HASHED PASSWORD (maybe a SHA256 OR MD5 hash) (which can never be changed again even if the user forgets that password or changes the password to his/her CMO account

4. A RANDOM TIMESTAMP PICKED FROM UNIX EPOCH TILL CURRENT_TIME(); (might take a few years to bruteforce tho) THE TIMESTAMP OF REGISTRATION (which can easily be bruteforced by a few smart dudes ;-)
5. A RANDOM 32CHARACTER APhA-NuMeRiC NONCE [0-9,a-z,A-Z] (might be impossible to crack so soon :-D, and even if same random number is Regenerated later and collides with a previously generated nonce, a single character change in other values (username , timestamp , randtimestamp, password) would generate an entirely new hash, thus increasing collision difficulty.

OTHER METHODS E.G RANDOM FIGURE GENERATION , MOUSE-WIGGLE-METHOD, SECCURVE KEYGEN, RSA KEYGEN, OPENSLL, E.T.C CAN ALSO BE USED TO GENERATE A SECURE PRIVATE KEY TOO. NOTE: 1 PRIVATE KEY ONLY HASHES TO 1 PUBLIC KEY.

THE NEXT STEP IS TO DERIVE THE PUBLIC-KEY FROM THE PRIVATE-KEY

This follows the same process used to derive bitcoin public-keys from private-keys. Using the Elliptic Curve Digital Signature Algorithm. (ECDSA) We can plot A ONE-WAY public key from the Initial private key.

- NOW WE MUST COMBINE DATA BY CONCATENATING EACH DATA TO FORM A STRING WITH NO SPACES. AFTER THAT, WE MUST PERFORM SHA256 ON THE STRING TO CREATE A SINGLE AND SECURE PRIVATE KEY
- AFTER THAT, THE NEXT STEP IS TO DERIVE THE PUBLIC KEY FROM THE PRIVATE KEY VIA SECCURVE.
- TO GET PUBLIC KEY, The first thing we need to do is to apply the ECDSA or Elliptic Curve Digital Signature Algorithm to our private key. An elliptic curve is a curve defined by the equation $y^2 = x^3 + ax + b$ with a chosen A and B. There is a whole family of such curves that are widely known and used. Bitcoin uses the SECP256k1 curve. **Comno uses the same curve to generate its public keys (This is a very secure ONE-WAY Pubkey Process.**
- By applying the ECDSA to the private key, we get a 64-byte integer. This consists of two 32-byte integers that represent the X and Y of the point on the elliptic curve (graph) concatenated together and That will be our Public key. Once we now have the public key, we can now continue with the CMO address Generation process.

THE NEXT STEP IS TO DERIVE THE ADDRESS FROM THE PUBLIC KEY. (A COMNO ADDRESS, I.E, THE ADDRESS WHERE TOKENS WILL BE SENT TO AND STORED)

This follows the same process used to derive bitcoin private-keys from SECCURVE public-keys. The only difference is that we use a different network byte so our address output would all contain the same prefix which is '4'. If you are familiar with the BTC address gen process, then you can also do this without stress.

1. SHA256 must be made on the publickey
2. ripemd160 must be made on from the result gotten from 1. **This will be HASH160 Value for the address**
3. add The Comno network BYTE : 0X08 (08) as prefix to the result gotten from 2
4. SHA256 must be made from result of 3
5. SHA256 must be made again from result of 4
6. First four bytes (8 CHARACTERS) of result of 5 will be taken and added as suffix to the result gotten from 3 (this will be used to validate checksum at anytime).
7. FINALLY THE RESULT OF 6 IS BASE58 ENCODED TO PRODUCE A UNIQUE COMNO ADDRESS

BELOW IS AN ILLUSTRATIVE EXAMPLE OF THE EXPLANATION ABOVE

1. `Comno11551143768e87ca4059d18bdcf971b4b06eb27c5a5707365667rlwdRmvXuh8GOFHCkluoOg1VjQ02Qurk` ← ADDRESS(UNIQUE-PHRASE)

2. `116da505851e6b748d7e678ab3c4fd7c6ef2371a0334b431f8e6c7947ea9e745` ← ADDRESS(PRIVATE-KEY(HEX))

3. `FE071BF0198C883B7C7AC61CC9FB24D730C6437F6D2DB1450C9BF2361C0C5188974912B52801DA5F336858DCA8E20D4E8A3BDF4B832B691C71402D60B7CBFDE1` ← ADDRESS(PUBLIC-KEY(HEX))

4. `9d4317511b2f601be9aad03607d41aa402f8a9ed` ← ADDRESS(HASH160)

5. `4U3MLZFPtTd7MtTxKS3aZNMd9oimKwbR1x` ← NEW COMNO ADDRESS GENERATED

CONCLUSION

The wallet key generation process can be split into four steps:

- 1--creating a public key with Comno Secure Data
- 2--encrypting the key with SHA-256 and RIPEMD-160 To Get Address (hash160)
- 3--calculating the checksum with double SHA-256
- 4-- encoding the key with Base58 to get COMNO address

HOW COMNO TRANSACTIONS ARE CREATED, SIGNED AND SENT TO THE NETWORK FOR VERIFICATION.

To create a Comno transaction, we need to generate a raw transaction first. In comno, address and balances are stored in the ledger next to addresses. The formula used to calculate address balance is $(a - b)$ where $a =$ (the total sum of tokens sent to the address) and $b =$ (total tokens sent from the address to another)

TO GENERATE A RAW TRANSACTION, BEFORE SENDING TO THE NETWORK, WE NEED THE FOLLOWING VALUES

1. input public key [generated from private key] <-- this will be MATCHED with SECP256K1 RETURN of private key to sign and process the transaction
2. input public address [the comno address derived from private key]
3. last tx hash generated from previous transaction from [input public address]
4. input amount [address balance must match or be less than the tokens inside (input public address)]
5. output public address [a validated comno address where tokens will be spent(sent) to]
6. current block height [current height growth this is the block that will hold the transaction]
7. Current timestamp

LETS GET THE VALUES AND CONCATENATE

1. FE071BF0198C883B7C7AC61CC9FB24D730C6437F6D2DB1450C9BF2361C0C5 188
974912B52801DA5F336858DCA8E20D4E8A3BDF4B832B691C71402D60B7CBFDE1 ← input
pubkey
2. 4U3MLZFpTTd7MtTxKS3aZNmD9oimKwbR1x ← owners pub address
- 3.60cf347dbc59d31c1358c8e5cf5e45b822ab85b79cb32a9f3d98184779a9efc2 ←last trx
4. 500023678900 [##500.23678900CMO * 100,000,000 to give value in numbers
without decimal] ← converted Transaction Amount
5. 4JpKKmdkYjDndYMXHafeMa2FJELBcttW71 ← Receiving CMO address
6. 01 ←Current block
7. 1551484402 ←Current time stamp

WHEN CONCATENATED, WE GET

```
FE071BF0198C883B7C7AC61CC9FB24D730C6437F6D2DB1450C9BF2361C0C5188974912B52801DA5F336858DCA8E20D4
E8A3BDF4B832B691C71402D60B7CBFDE14U3MLZFpTTd7MtTxKS3aZNmD9oimKwbR1x60cf347dbc59d31c1358c8e5cf5e45b
822ab85b79cb32a9f3d98184779a9efc25000236789004JpKKmdkYjDndYMXHafeMa2FJELBcttW71011551484402
```

AND THIS WILL BE OUR RAW TRANSACTION

HOW WE VERIFY CMO TRANSACTIONS

To sign and insert this transaction into a block, Comno needs to verify the following

1. We will request for the private key to the public address and try to MATCH by passing the private key through SECP256K1. if the same public key is generated then the transaction is properly authenticated.
2. After 1 has successfully passed we will validate the output address by Decoding it and calculating its sha256 checksum, byte size and network byte.
- 3.After 2 has successfully passed we will validate and make sure the senders balance exceeds or is equal to the amount that is about to be transacted using the formula (A – B).
- 4.After 3 has successfully passed we will validate the previous tx hash to make sure it was transacted by the sender.
- 5.After 4 has successfully passed, we will Check and make sure the block The Sender wants to use to save this transaction is the latest block.
- 6.After 5 Has successfully passed We have no more checks to do, so we will simply generate a new block sha256 hash by simply performing sha256 algo on the raw transaction and then inserting the generated hash , raw data, timestamp, values into its block Thus Deeming the transaction , A valid one.

COMNO TOKEN ECONOMICS & SALES

Comno Has A Unique Aim. Contributors in this project will help to achieve the goal, the vision is to breach the gap in the crypto space between Blockchain digital asset and non digital assets bringing more adaptations to the institutions . This is something new we need to take advantage of .

Total and final amount of CMO tokens created:	600,000,000 CMO
Bounties And Airdrop + Referral Bonuses Allocation:	60,000,000 CMO (10%)
Tokens Allocated for The I.T.O PUBLIC SALE:	360,000,000 CMO (60%)
Tokens Allocated for The I.T.O PRIVATE SALE:	66,000,000 CMO (11%)
Tokens Allocated for Team Company advisors:	60,000,000 CMO (10%)
Tokens Allocated for Mining And Investment Rewards:	54,000,000 CMO (9%)

Presale and Whitelist Terms

By Contributing in the Comno ITO, you will have an opportunity to receive the largest bonuses possible during the token sale process.

In order to ensure that you do not miss out on the presale, you should contact our support team with your name, email and the amount of BTC or LTC you want to contribute.

Whitelisted investors will receive priority attentions and your place on the list will be determined by your contribution amount

Private Sale Details

Date	April	10th	2019	Time : 00.00.00
We Accept	Quantity	CMO Buy Rate	CMO Sell Rate	Allocation
Bitcoin	1 CMO	0.15\$/CMO	0.1\$/CMO	66Million CMO
Litecoin	1 CMO	0.15\$/CMO	0.1\$/CMO	

Private investors Would get cheaper and larger bonuses of 20%-40% for normal and VIP Investors for the total amount of token they Purchased During The Private Round.

Please note That this Prices and Bonuses May change In the future Or it may have been Changed in the past if You are a Late Investor.

Public Sale Details

Date	July	10th	2019	Time : 00.00.00
We Accept	Quantity	CMO Buy Rate	CMO Sell Rate	Allocation
Bitcoin	1 CMO	0.20-0.27\$/CMO	0.1-0.31\$/CMO	360Million CMO
Litecoin	1 CMO	0.20-0.27\$/CMO	0.1-0.31\$/CMO	

Private investors Would get cheaper and larger bonuses of 20%-40% for normal and VIP Investors for the total amount of token they Purchased During The Private Round..

Public Crowdsale Information

PRESALE – MAXIMUM TIME TO RUN 30 DAYS.

ALLOCATION	Quantity	Buy Rate	Sell Rate	Awarded Bonuses
16.666667% OF 360,000,000 CMO	1 CMO	\$0.20/CMO	\$0.10-0.12/CMO	20% PURCHASE 10% REFERER 40% VIP 100CMO AIRDROP
60,000,000CMO	ACCEPTED PAYMENTS: BITCOIN & LITECOIN			

FIRST CROWDSALE – MAXIMUM TIME TO RUN 30 DAYS.

ALLOCATION	Quantity	Buy Rate	Sell Rate	Awarded Bonuses
16.666667% OF 360,000,000 CMO	1 CMO	\$0.21/CMO	\$0.11-0.14/CMO	10% PURCHASE 10% REFERER 20% VIP 7CMO AIRDROP
60,000,000CMO	ACCEPTED PAYMENTS: BITCOIN & LITECOIN			

PUBLIC CROWDSALE INFORMATION

SECOND CROWDSALE – MAXIMUM TIME TO RUN 30 DAYS

ALLOCATION	Quantity	Buy Rate	Sell Rate	Awarded Bonuses 8% PURCHASE 8% REFERER 16% VIP AIRDROP CLOSED
16.666667% OF 360,000,000 CMO	1 CMO	\$0.22/CMO	\$0.13-0.17/CMO	
60,000,000CMO	ACCEPTED PAYMENTS: BITCOIN & LITECOIN			

Airdrop Services Would be Closed on Start of SECOND Crowdsale.

THIRD CROWDSALE – MAXIMUM TIME TO RUN 30 DAYS

ALLOCATION	Quantity	Buy Rate	Sell Rate	Awarded Bonuses 8% PURCHASE 8% REFERER 16% VIP AIRDROP CLOSED
16.666667% OF 360,000,000 CMO	1 CMO	\$0.23/CMO	\$0.15-0.23/CMO	
60,000,000CMO	ACCEPTED PAYMENTS: BITCOIN & LITECOIN			

From Third crowdsale, participants Would Enjoy The COMNO SecureID Service

FOURTH CROWDSALE – MAXIMUM TIME TO RUN 30 DAYS

ALLOCATION	Quantity	Buy Rate	Sell Rate	Awarded Bonuses 8% PURCHASE 8% REFERER 16% VIP AIRDROP CLOSED
16.666667% OF 360,000,000 CMO	1 CMO	\$0.25/CMO	\$0.20-0.25/CMO	
60,000,000CMO	ACCEPTED PAYMENTS: BITCOIN & LITECOIN			

After Fourth crowdsale, investors Would Be able to swap tokens on Binance,Kucoin

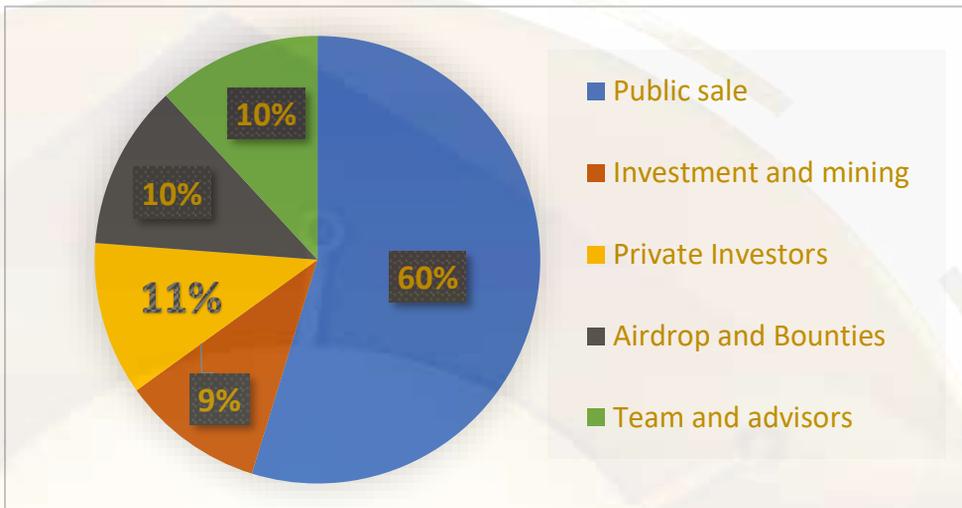
FIFTH CROWDSALE – MAXIMUM TIME TO RUN 30 DAYS

ALLOCATION	Quantity	Buy Rate	Sell Rate	Awarded Bonuses 6% PURCHASE 6% REFERER 12% VIP AIRDROP CLOSED
16.666667% OF 360,000,000 CMO	1 CMO	\$0.27/CMO	\$0.25-0.31/CMO	
60,000,000CMO	ACCEPTED PAYMENTS: BITCOIN & LITECOIN			

This is the last phase, token is sold at 0.27\$ with a 6%-12% bonuses

After This phase, Our Public ITO Would be Suspended.

Token Distribution



BOUNTIES

Bounty campaigns and its rewards will be distributed to participant or group of bodies who will part take in our media or promotional activities/ tasks such as translating the white paper, news, YouTube Videos and more.

A total of 5% From the 60,000,000 CMO allocation for Airdrop and Bounties is allocated for the bounty campaign and will be distributed within ITO but can be utilized and used. all campaign activity will be tracked accordingly.

FOR BOUNTY TASK

Time to run 60 DAYS

Total Comno budgeted For Bounty Activities 3,000,000CMO

(1st month: presale + bounty+ bonus+airdrop)

(2nd month: crowd sale + bounty + bonus - airdrop) ← airdrop is closed.

After 2nd Month, bounty is closed

BOUNTY TASKS + REWARDS

1. Detailed YouTube video 10000CMO
2. YouTube video on seminar 30000CMO
3. Whole White paper translation 2000 CMO per 1 language translated

[please Note that thie values written above, and below can be changed by us without prior notice]

FOR AIRDROP

Time to Run: 30 DAYS

Total Comno budgeted for Airdrop give away 6,000,000CMO

All members are rewarded with a total of 7CMO token for Both creating an account & every member they refer, And 93CMO for performing Airdrop tasks.

REFERER, TOKEN PURCHASE AND VIP BONUSES

Referral bonuses are credited only when the referred user Purchases CMO tokens, Purchase Bonuses are usually tracked and rewarded base on amount of tokens Purchased by An investor, and is credited to the investors account Alongside with Tokens purchased. Vip Bonuses are Manually awarded only to Huge Investors. Who purchase tokens above \$10,000.

REFERAL BONUS BREAKDOWN

(presale) 10% Referrer Bonus
 (1st crowd sale) 10% Referrer Bonus
 (2nd crowd sale) 9% Referrer Bonus
 (3rd crowd sale) 8% Referrer Bonus
 (4th crowd sale) 7% Referrer Bonus
 (5th crowd sale) 6% Referrer Bonus
 Bonuses Received is added to bonus balance and Would need to be redeemed before withdrawal.

PURCHASE BONUS BREAKDOWN

(presale) 20% Purchase Bonus
 (1st crowd sale) 10% Purchase Bonus
 (2nd crowd sale) 9% Purchase Bonus
 (3rd crowd sale) 8% Purchase Bonus
 (4th crowd sale) 7% Purchase Bonus
 (5th crowd sale) 6% Purchase Bonus

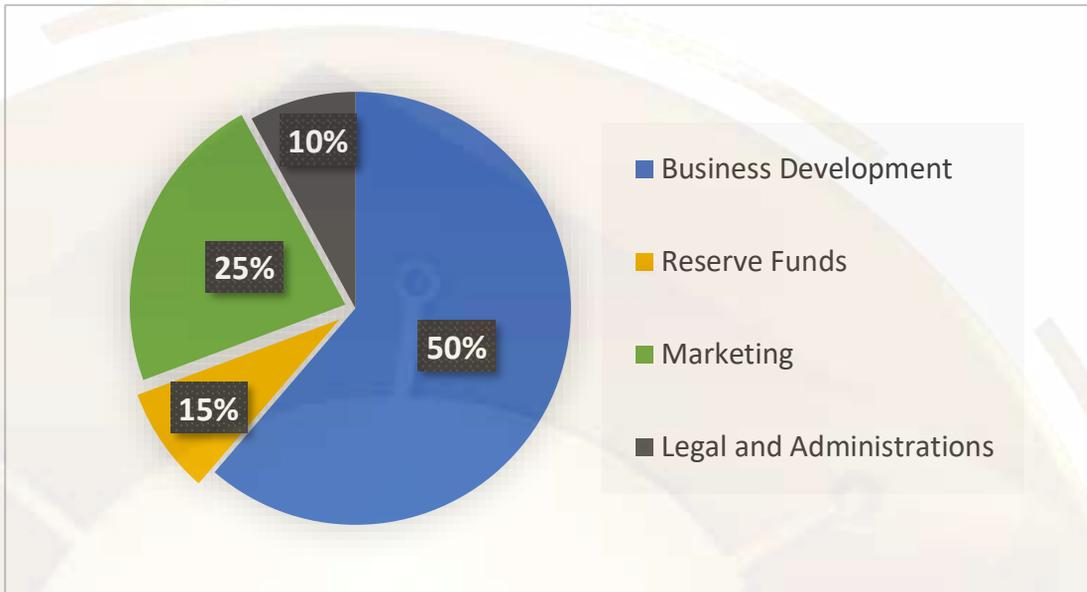


VIP BONUS BREAKDOWN

(presale) 40% Referrer Bonus
 (1st crowd sale) 20% Referrer Bonus
 (2nd crowd sale) 18% Referrer Bonus
 (3rd crowd sale) 16% Referrer Bonus
 (4th crowd sale) 15% Referrer Bonus
 (5th crowd sale) 12% Referrer Bonus



COMNO FUNDS BUDJET & ALLOCATION



50% Business Development: Our mission from the onset is to break the market volatility bond. How do we achieve that? By implementing Artificial Intelligence to utilize profits from multiple revenue streams. Focusing more on non-digital assets and flooding the system with multiple profit streams.

15% Reserve Funds: From Technology and Improvement, We would set aside a highly liquid asset to meet any future costs or financial obligations, especially those arising unexpectedly.

25% Marketing: To be able to reach out to the masses; showing the best alternative frontier in the market, Creating awareness is always the Game changer to the global community at large.

10% Legal and Administration: To be able to operate regardless of any country, all licenses will be processed accordingly, because we will be operating globally and more governance and regulatory solutions features coming in as we apply for specific countries licenses all will be updated .

FAQ

Questions	Answers
Do you Offer Airdrop	Yes, We Do. For every member You invite You both will receive 7CMO. And up to 93CMO for performing various Airdrop Tasks. Once claimed, the free tokens added to bonus balance and Would need to be redeemed To own REAL CMO tokens.

Questions	Answers
Whats is Account Trust	<p>Account trust is an AI feature integrated into each Investor Comno dashboard. Since we allow Re swap and withdrawal of CMO Tokens We have to be sure Users making withdrawals are eligible to do so. So we implement Account trust to monitor account activities.</p> <p>Every comno account will have a trust rating of 0-100% only accounts with trust ratings of above 90% will be allowed for withdrawal.</p> <p>The Trust rating of a new account Created is always 0% But would be Built with time once the user engages on Account Activities . And would remain constantly appreciated IF no fraudulent activity is detected on the account .</p> <p>This is how trust ratings are measured.</p> <ol style="list-style-type: none"> 1. Level of account Realness, Uploaded selfie analysis and level of The Realness of down-lines. (do not refer Bots to us. We will detect it and drop your account trust. Be Real and Refer Real members.) 2. User completion Level (a fully completed profile + successful KYC means more trust) 3. Users activeness on platform and analysis of amount of token Purchased (if you purchase COMNO tokens and sill participate in airdrop+ referral, you will get more trust than those who just join comno network to Refer and benefit from free tokens gotten from airdrops and referrals. (LOW ACCOUNT TRUST MEANS NO WITHDRAWALS)

Questions	Answers
 <p data-bbox="68 602 404 679">Advantage of Being an VIP Investor</p>	<p data-bbox="472 302 1343 592"> **Personal Account and Finance Manager **Account trust and Ratings 100% Constant **No Exchange/transaction Fee Charges **All VIP members Receive Monthly shares from CMO investments profits **VIP members Get to Enjoy and test Prototype Features of COMNO before Official Launch of that feature </p> <p data-bbox="454 646 1358 853"> To become a VIP member You MUST Deposit and purchase tokens Either once or a cumulative amount worth \$10,000 Or Higher. We would contact you on behalf of this and Your account would be Upgraded and all VIP bonuses awarded on Your Approval request </p> <p data-bbox="686 903 1129 1141"> (presale) 40% vip Bonus (1st crowd sale) 20% vip Bonus (2nd crowd sale) 18% vip Bonus (3rd crowd sale) 16% vip Bonus (4th crowd sale) 14% vip Bonus (5th crowd sale) 12% vip Bonus </p>

Questions	Answers
<p data-bbox="58 1334 368 1411">Do You Give Bonuses for referring a friend.</p>	<p data-bbox="468 1334 1343 1452"> Sure We do. Referral Bonuses are awarded To the referrer Upon successful purchase of tokens from referee. The Bonus Allocation Change after every crowd sale. It Goes as follows </p> <p data-bbox="686 1462 1125 1493"> BONUSES LEVEL BREAKDOWN </p> <p data-bbox="651 1504 1165 1752"> (presale) 10% Referrer Bonus (1stcrowdsale)10% Purchase Bonus (2ndcrowdsale) 9% Referrer Bonus (3rdcrowdsale) 8% Referrer Bonus (4thcrowdsale)7% Referrer Bonus (5thcrowdsale)6% Referrer Bonus </p> <p data-bbox="461 1763 1353 1881"> Bonuses Received is added to bonus balance and Would need to be redeemed before withdrawal. For campaign bonuses please contact us </p>

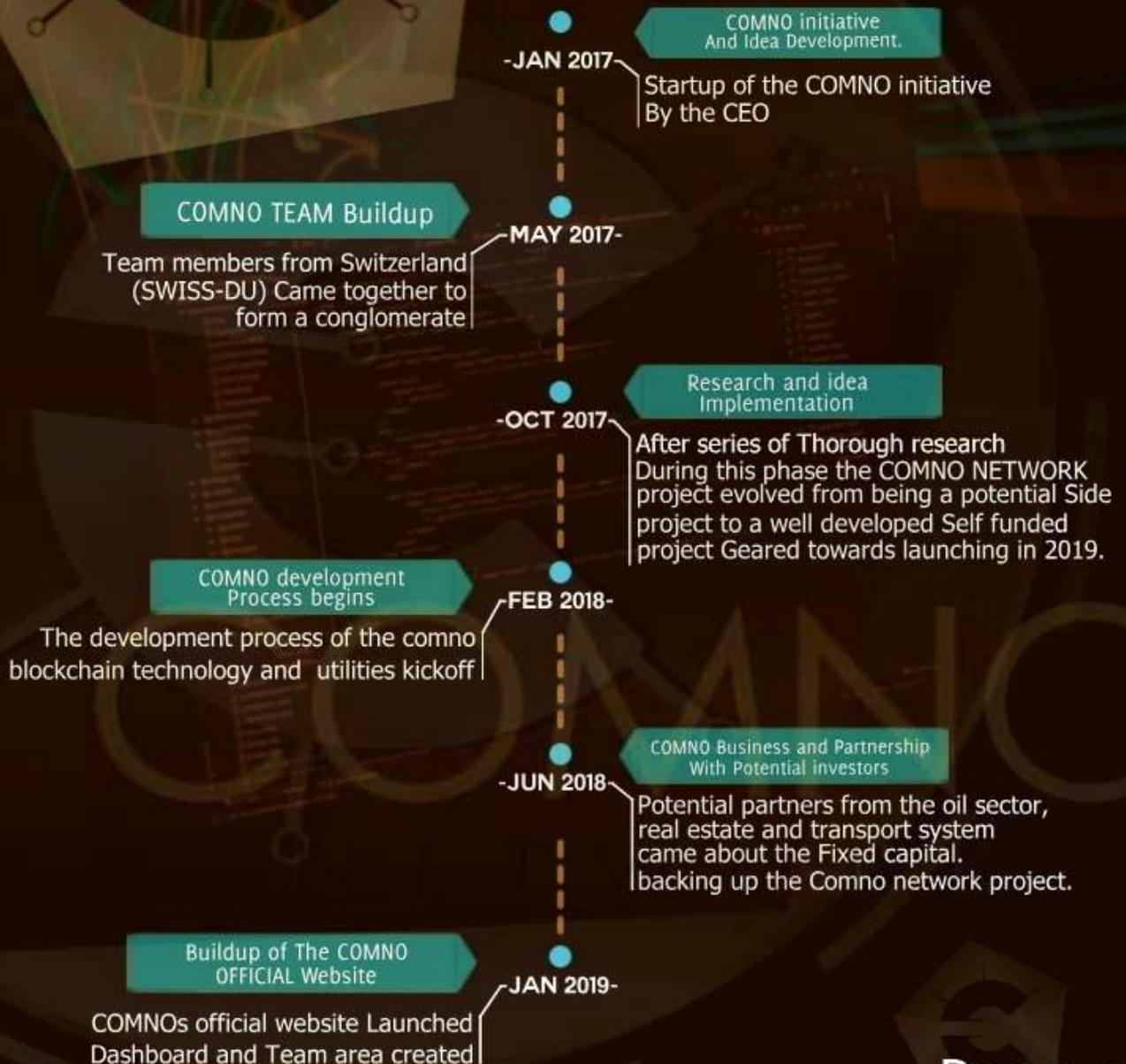
Questions	Answers
<p>Can I Withdraw Purchased/Claim Tokens?</p>	<p>Comno purchased from presale/crowd-sale will be always available for exchange and withdrawal. If all protocols are duly observed and kept in accordance with our terms. Please strictly adhere to self investment strategies.</p>

Questions	Answers
<p>Why Cant I withdraw All My Tokens?</p>	<p>During our ITO, We Lock 50% of Any COMNO tokens Sent to your wallet. And only 50% is available for withdrawal This is due to the mining and investment projects and also to stabilize the Token price After Our ITO. All locked tokens would be released and Users would be given the option to re stake tokens for future benefits and profits if the investor wishes to.</p>

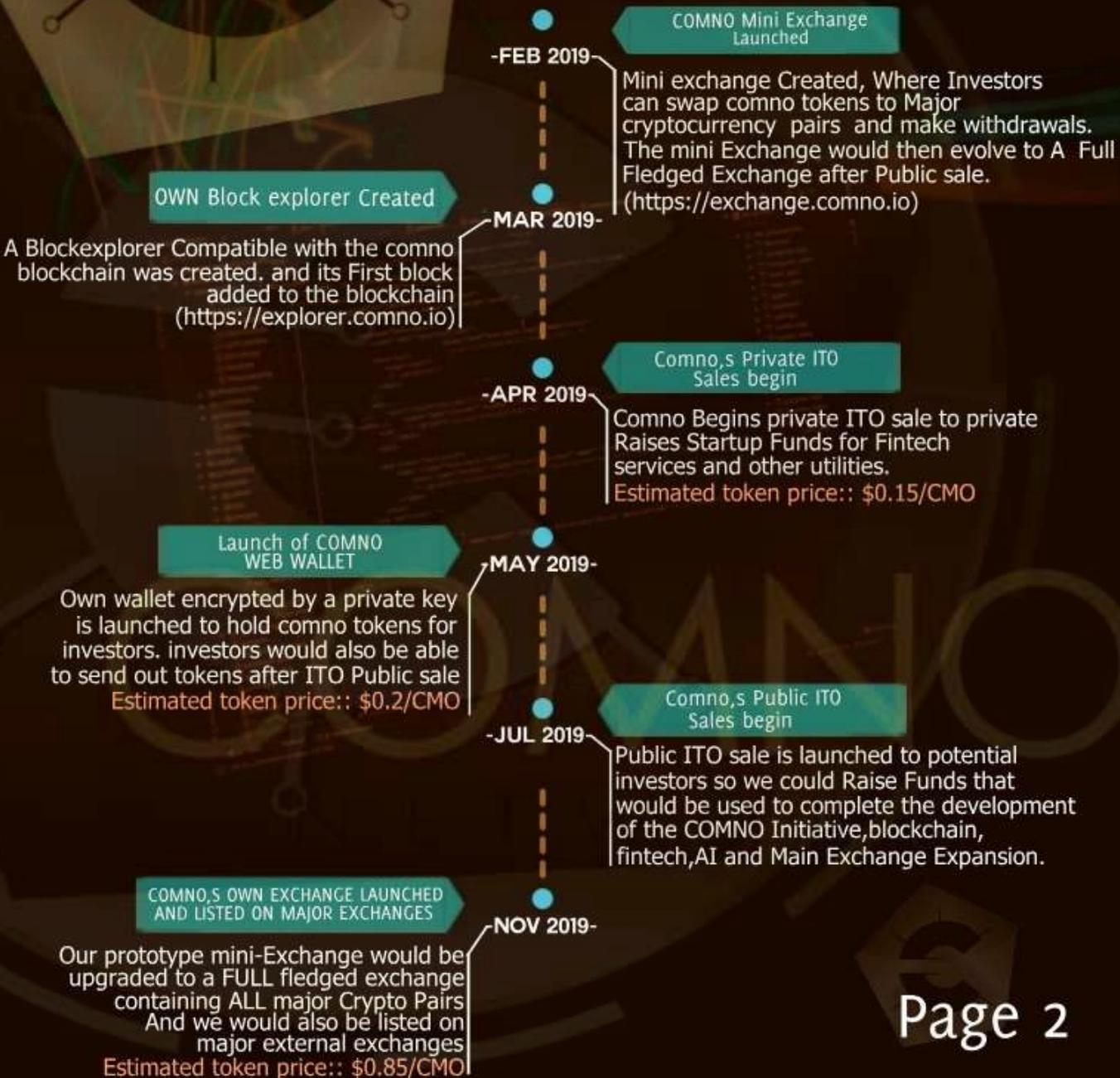
Questions	Answers
<p>Investment And Mining</p>	<p>Don't be sad when we lock half of your tokens you will earn 0.01% as (POW) of new comno tokens being added to your account as rewards the more locked tokens you hold, the more tokens you hash. More tokens means more hash power. . This serve as your investment, opportunity and contribution to the project. without your contributions, there is no project. we appreciate your every contributions.</p>

COMNO NETWORK

COMNO - ROADMAP



COMNO - ROADMAP



COMNO - ROADMAP

International Events.

The Comno initiative would be positioned in international events, to Show, discuss and make its Project an Open source to Other companies in the blockchain area. This would help promote its service and uniqueness
Estimated token price:: \$3.99/CMO



DISCLAIMER

This document is a whitepaper setting out the current and future developments of Comno Coin (“CMO”). This paper is for information purposes only and is not a statement of future intent. Unless expressly specified otherwise, all features and technical capabilities are currently under development and not deployed on the CMO platform. Comno Management, its employees, directors and/or affiliates make no representations or warranties with regards to the viability of the cryptocurrency market or its future prospects. Exchange of a cryptocurrency for the Comno token in no way represents an ownership stake, investment contract and/or future contract between the Comno company and the contributors. CMO may be exchanged for other cryptocurrencies only, unless expressly permitted by CMO. Any future projections and anticipated roadmap are projections and should not be taken as fact. Comno management, its employees, directors and/or affiliates make no representations or warranties with regards to these future projections financial or otherwise. This paper is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation. This paper may not be redistributed, reproduced or passed on to any other person or published, in part or in a whole for any purpose without the prior written consent of CMO. The manner of distributing this paper may be restricted by law or regulation in certain countries.

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