



CRYPTONIA POKER

WHITE PAPER

Online poker room powered with
cryptocurrency

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Executive Summary

Cryptonia Poker brings together the thrill of poker with the transparency and value of cryptocurrency in an online poker room that is based on blockchain technology.

The players can benefit from the availability of competitive rakes, discounts and value additions offered through our regular business promotions, and potential appreciation of their Cryptonia that is linked with the building of a robust poker economy around the currency.

Cryptonia Poker is all set to launch. Cryptonia is the official currency on the platform. We are starting with an ICO (Initial Cryptonia Offering), in which the players can buy 75% of our tokens. Out of the rest, 20% is being reserved for business promotions and tournaments that will add value to our customers' holdings, and 5% will be made available to promoters, management and advisors to continue adding value to the platform.

We will launch Cryptonia Poker after the ICO. Its details and schedule are given below. In total, we will release 1 billion tokens called Cryptonia.

Our online poker and cryptocurrency software is completely built and tested. Huge money and effort have been spent by the founding team to ensure the viability of the platform, and to make it as transparent as possible.

Blockchain-based online poker helps overcome various issues related to the traditional form of online poker, e.g. Cryptonia helps avoid payment processing delays and other issues. Blockchain technology also helps create purely random number generation, ensuring fair play.

1. Current scenario of online poker

As more and more poker enthusiasts get tech savvy and more mobile-based platforms are coming up, the Online Poker market is growing at a fast rate.

The online gambling industry's size was expected to reach USD 51.96 bn dollars in 2018, and online poker is a huge chunk of online gaming. The market is expected to reach USD 59.79 bn dollars in the year 2020.

Half a decade back, the online poker industry encountered some slowdowns due to regulatory controls, but after efforts made by online poker rooms to improve transparency and Fair Play, more and more gamers are encouraged to playing online. There have also been certain legislative reforms that have made online poker more organised and attractive for players.

A report published by Global Industry Analyst, Inc. in 2014 says, 'Poker is one of the most popular games, being played by gamers for over two centuries. Online Poker, though being a relatively new gaming concept, is also attracting worldwide players due to ease-of-play and convenience.'

Ease-of-play, convenience and safety of funds are the main factors that decide the success of any Online Poker room.

With such provisions available in the market, many gamers from different regions, including Canada, U.S.A., Asia (including India and China), Latin America, Europe, and Australia are joining the market. As online payment and fund transfer is becoming available to users in various regions and as access to the internet and mobile devices is on a rise, online poker market is set to see another wave of surge.

Introduction of blockchain technology brings the potential to take online poker to the next level, by improving the transparency and Fair play factors.



1.1 Issue so far

Historically, there have been issues that have bothered online gamers. Poker rooms were plagued by issues like poker room scandals, transparency issues, and lack of security. Rigged control of poker accounts negatively affected gamers' trust.

There were strict regulations in place in some parts of the world and often, rigid payment service providers affected the liquidity available in the market, which were a set back to the dynamics of poker rooms, globally.

Fall in the number of players or in their liquidity in restricted regions tend to have a ripple effect on the rest of the market, too.

For a long time, we spent a lot of time and effort to build a healthy gaming environment that is based on transparency and security, and now the market is going strong with many new players from existing and new regions joining poker rooms.

We have taken measures to promote a healthy and growing online poker ecosystem. Our blockchain-technology based platform ensures Fair Play, and the concept of cryptocurrency helps combat the issue of liquidity.

Following are a few issues that occurred in the past, and how we have made an effort to overcome them for our online poker players.

1.1.1. The game logic is unclear

Poker is all about fair play, and there have been instances of rigged or fraudulent poker rooms who minted money at the expense of recreational players. Some issues related to technology cover doubts regarding random number generation and fraudulent rooms hosted by some poker room companies. The RNG system that many sites boasted of earlier were not very random, and could often be predicted or decoded.

1.1.2. Fraudulent or biased practices

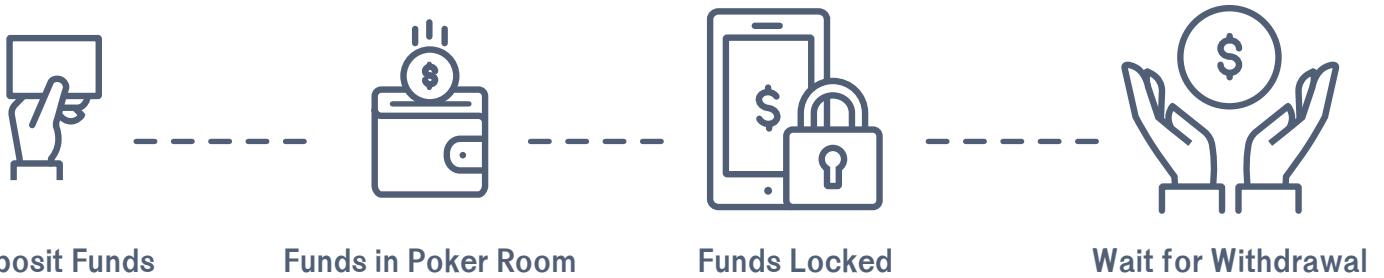
A good poker room not only ensures that there is transparency in play, random number generation and fairness in technology, but they also audit the play of the players in their poker rooms. They ensure that no person, bot or group of players are playing individually or in collusion at the expense of recreational players. Smart-money pumped in by such fraudulent entities have been a cause of concern among online poker communities. Fair play rooms also ensure that they do not give undue advantage to big players in the poker rooms.

1.1.3 Control over funds and withdrawals

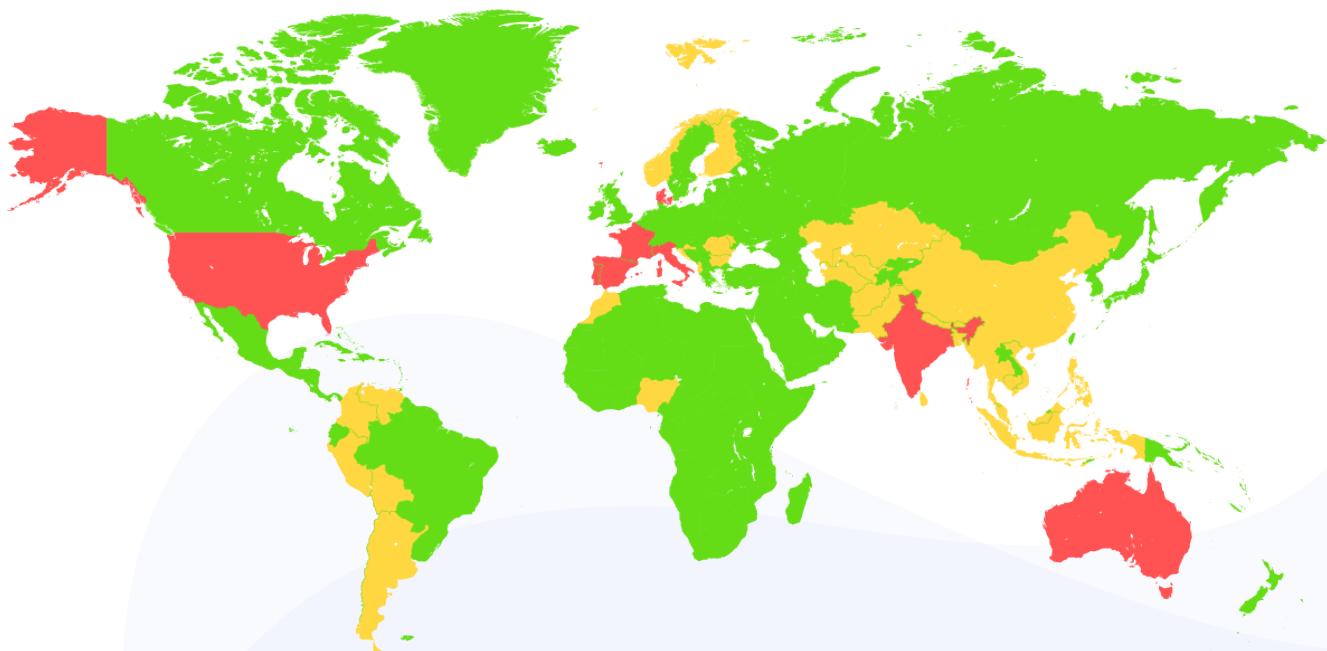
Earlier, players had limited control over the movement of their own funds. Delays and rigidity in funding of poker accounts and withdrawal of funds discouraged players from playing online.

Often, there were various bank regulations, KYC requirements of payment processors, and rules set by poker rooms that reduced players' control over their own funds. In extreme cases, funds were frozen or accounts banned, and in some cases, the transaction charges were very high.

In the next few sections we will cover how Cryptonia Poker has addresses these issues.



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● Under Regulations

● Various Payments and KYC Issues

1.2 How Cryptonia Poker overcomes historical issues

Cryptonia Poker is based on blockchain technology, which solves a myriad of issues related to fair play, transparency and liquidity.

Following are a few main points that we have focussed on:

1.2.1. Random number generation and fair play

Cryptonia Poker rooms are powered with blockchain technology, ensuring that the game is fair the shuffle is random, and that there are no fraudulent players in the online poker room.

Most of the poker software appear to be generating random numbers, while they are based on a certain algorithm that can be predicted and exploited. Such random generators are called pseudorandom number generators (PRNGs).



Our RNG system combines the speed of the traditional number generation systems with the randomness created by blockchain technology to create an ecosystem that is fair and verifiable.

Using only blockchain technology will produce absolutely random numbers, but that is not feasible for two reasons:

- The processing time of each Ethereum-based transaction is still high, which might not work in a poker room full of players.
- Also, Ethereum transactions are chargeable. There will be a fee of 2-3 USD on each shuffle, which will not be feasible

Previously, some poker companies have tried to implement blockchain and other algorithms in their number generation systems, but have encountered various problems, that must be kept in mind. Refer to the following few examples of methods that generate PRNGs:

Monte Carlo method : This method uses random numbers from physical life situations, but locks the repeated pattern of the same values, in the same order. Which doesn't sound very random, if you look at it, i.e. the numbers might be random, but the same numbers occur in the same order always. This is a perfect example of a PRNG.

Block hash method : This is a very unpredictable method, and can easily be rigged. If the miner finds that the value of the bet is much higher than the block reward, they might discard the block, rather than choosing to mine on it. There is also a risk involved if there are too many block hashes involved between the first call and the final reward call of the bet. The block hash returns the value zero if the block hash number exceeds 256.

We have overcome this issue, by combining the traditional and the modern. The following points describe how our RNG system functions:

- Each players and the operator generate their individual seeds
- These pre-committed partial RNG seeds from all the players and the server are collected and processed together in the Random number generator
- The data from the RNG is forwarded to smart contracts
- The players can check the data about each player's actions, seeds and other transactions of a game through the game's smart contract on blockchain, recorded and uploaded on regular intervals, to offer transparency to the whole process

Therefore, we decentralise RNG, and maintain a good speed of number generation.

1.2.2 Cryptocurrency used in poker rooms

In Cryptonia Poker rooms, gamers can play with Cryptonia, which are etherum-based tokens. Cryptonia is a cryptocurrency launched for our poker rooms.

It will be listed on exchanges to ensure that users get value on the currency they hold, and so that users can easily purchase or exchange funds, no matter where they reside.

For playing, online players can add funds to their poker accounts or make withdrawals easily and quickly. It takes only a few seconds to transfer funds.

It can be purchased and sold from anywhere in the world. However, Cryptonia can be used to play poker only from regions where online poker is legal, licensed, and not governed by the local laws.

With easy fund transfer system, people from various regions can play online poker, and the etherum-based currency helps minimise the transaction time, adding to the liquidity of the players, and hence making the ecosystem more efficient.

Following steps are involved in Cryptonia deposits:

1. The gamer can add his cryptocurrency wallet details to his Cryptonia Poker account
2. One command can be given to transfer the player's cryptocurrency from his wallet to the Cryptonia Poker main wallet on our server
3. The player can immediately see and play with the updated balance in their Cryptonia Poker account

Following steps are involved in Cryptonia withdrawals:

1. The user requests to withdraw funds from their account
2. The server immediately receives and processes the request using Smart Contracts
3. Cryptonia is transferred from user's Cryptonia Poker main wallet to his cryptocurrency wallet within seconds

1.2.3 Secured user data

Cryptonia poker maintains anonymity of the gamers. We do not collect unnecessary data at the time of registration, simplifying the whole process, and eliminating the risk of exposing the users to undue attention.



1.2.4 Transactions and revenue distribution powered by smart contracts

Etherum-based smart contracts allow easy transactions over the internet, while ensuring anonymity and safety of the users.

This helps create an environment of efficiency, trust and fairness. Our etherum-based contracts comply with ERC20.

Using Smart contracts, one can easily deposit or withdraw funds from their Cryptonia Poker account. It also ensures cheap transfer of funds for users.

These smart contracts are also used to distribute 35% of the rakes we collect to gamers as monthly revenue, so that liquidity and stability in the ecosystem remain intact.

Blockchain-based distribution wallets used for these transfers will be trackable by everyone in the system.

1.2.5 Monitoring and security systems

Cryptonia Poker software has programmes to monitor the behaviour of each player to identify fraudulent activities. Bot-powered accounts can be identified upon studying the behaviour of an account with the help of advanced algorithms, Cryptonia Poker's team, and other online users.



Online users can report suspicious behaviour, upon which Cryptonia's team probes into the matter in detail. Besides these measures, captcha is also used to ensure that there are no bot participants in the system.

Each player's game is analysed over time, independently and in relation to that of other players, to see that no sign of collusion occurs.

To identify vulnerability, we regularly audit all games, ensuring that there is no suspicious activity or transaction.

1.2.6. Security of participants' accounts

Our participants' accounts are protected by one or two-step authorisation, as per their choice. They can manage their account settings for better control over their accounts. Captcha ensures that bot activity doesn't effect users' accounts. We also plan to send regular emails to our participants regarding idea safety measures to keep their data safe.

Anti-hacking measures have also be taken at our end. We back-up our data at various server locations to keep track of real-time transactions.

1.2.7. Resolution of legal issues

Our legal advisor will be providing assistance in legal and theoretical issues that constantly arise in the gambling industry.

2. Cryptonia Poker's business plan and way forward

Cryptonia Poker is bringing together the best of Poker with that of cryptocurrency. Powered with blockchain technology, this platform has the potential to deliver to a large consumer base with ease and transparency.

Our two main revenue sources are:

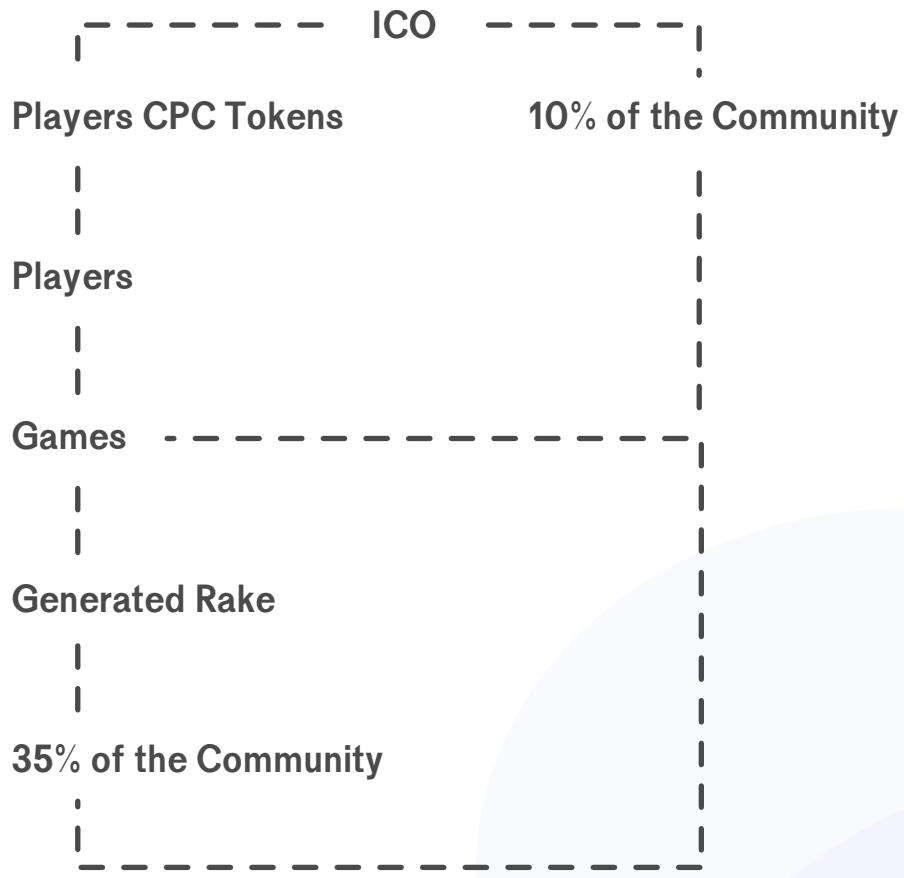
- We retain a small administration fee as rakes when our users purchase Cryptonia tokens. This is done to cover our admin and operational costs, much like traditional poker rooms.
- The cryptocurrency used in our poker rooms is also listed on exchanges, and will grow in value with the strengthening of the platform and its ecosystem, which means that we will grow only when our customers believe in us and extract value from the poker rooms.

2.1 Movement of funds

Our aim is to maximise our gamers' returns. Out of the total tokens available in the system, ten per cent are reserved for encouraging more players to play and for maintaining liquidity in poker rooms.

This is done by attracting players through higher tournament guarantees, leaderboards and freerolls. This will also bring in new players, adding to the overall value of the currency and hence that of the currency held by the Players.

Besides this, thirty five per cent of the rakes we collect every month will be distributed back to the players in the form of bonuses and improved tournament pools to improve liquidity. This will be done transparently and fairly to encourage recreational gamers.



With the cumulative effect of larger pool of players and increased value of the currency, larger benefits will be available to gamers, which will attract more players, which will again raise the value of the currency. This will make it a self-feeding system.

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2.2 Post-ICO poker tournament

Once the ICO is completed, a tournament with attractive guarantees will be hosted on the platform to attract new players and to encourage all the players on the platform to initiate play, to start building value in poker rooms.

During the tournament, 10% of the Cryptonia tokens in the system will be distributed as tournament prize pools. These bonuses and attractive prizes will attract new players to join our poker rooms, adding to the value of the whole ecosystem.

2.3 Games at Cryptonia Poker

We will have various types of games with different limits for gamers with various preferences. They will be available 24/7 to suit gamers from various time zones. This is to encourage more and more recreational players to enter the ecosystem.

Gamers can choose between various game formats including Texas Hold'em No Limit.

Higher limit games, e.g, \$1000 equivalent CPC games, and games requiring higher liquidity will be available as the community gets stronger and the demand for such games rises.

The opening tournaments on Cryptonia Poker will have a wide-buy-in range, i.e. from one dollar on to a hundred dollars. This will attract and encourage players to join the community.

2.4 Rake collection

Our rake rate on cash games is only 3%, with ceilings set for different limit games. This will encourage gamers willing to play high-stake recreational games.

Lower rake is more in favour of recreational players and less in favour of smart money that gets more rakeback. Also, smart money players often cash out the rakebacks, leading to reduced liquidity in the ecosystem.

2.5 Distribution of 35% monthly revenue

We will distribute 35% of the rakes we collect every month to the gamers through various avenues:

- Jackpots
- Bounty for bringing in new players
- Leaderboard rewards for regular gamers
- Tournament guarantees
- Loyalty programmes to reward regular and old players.

This will encourage existing players to play more to collect points that can be redeemed for Cryptonias. However, the system will ensure that only recreational players benefit from this programme, and smart money does not get undue advantage.

2.6 Exchange listing and increase in Cryptonia's value

After the ICO, online players interested in playing on Cryptonia Poker platform will have to purchase Cryptonia at the market price.

However, those who purchase Cryptonia during the ICO will benefit from appreciation in prices. As more and more players come on the platform, the demand for Cryptonia will rise, and hence its price on exchanges will increase.

The price will keep increasing as there is more demand of the currency by existing and new players.

There is a possibility, that as the value of CPC rises, participants will measure all the bets in fiat, and hence less CPC will be required to play in the system by the same number of players, but, as fresh players enter the ecosystem, they will have to purchase Cryptonia at the market price, nevertheless, which will further raise the CPCs value.

Also, as CPCs value rises, users will demand it not only for playing, but also for investment in a cryptocurrency, which adds to the demand of Cryptonia. Even though the number of Cryptonia bought will not be as high when its value is higher, but the demand of CPC in terms of fiat will be rising.

2.7 Marketing and Community building

Cryptonia Poker team will invest time, money and effort in promoting the platform on various networks, so that more and more people join the poker rooms or demand Cryptonia, which will increase the value of the currency, hence benefiting the currency holders.



We will encourage participants to choose the type of events to be hosted, so that there is higher participation and interest.

Influencers and promoters of the platform will be rewarded in points for spreading the word to other online players.

Our various marketing channels during and post ICOs include:

2.7.1 Social media marketing and other WWW channels

We have active presence in social media platforms like Facebook, Twitter, Instagram, Medium, Reddit and Telegram. We also plan to do email marketing to invite players to tournaments. Blogging and participation in forums like BitcoinTalk will help us maintain communication with the relevant users.

2.7.2 Influencer marketing

We partner with various influential players and experts to promote our platform through word of mouth.

2.7.3 Live chat

We offer live chat facility to ensure that our users can access us anytime, anywhere. This also builds trust, and helps promote our platform.

2.7.4 PR

We have a strong PR team, getting us coverage on known poker news and information platforms like Poker News, Hightakedb, Pokervip, ICO Bench, CCN, Poker Tube, ICO bazar, Track ICO, and Cointelegraph.

2.7.5 Participation in global conferences and exhibitions

We are participating in international forums and conferences related to ICOs, blockchain and poker. Some of the initial conferences we are visiting are:

- ICO Festival, Munich
- Blockchain Delhi - A blockchain conference, India
- World Blockchain Forum, Dubai

2.8 Our competition

Coin Poker	Cryptonia Poker	Virtue Poker
x	✓	x
Web Based App	Web Based App	Web Based App
x	✓	x
Open Face Chinese Poker	Open Face Chinese Poker	Open Face Chinese Poker
x	✓	x
Backgammon Game	Backgammon Game	Backgammon Game
x	✓	x
Live Tournaments	Live Tournaments	Live Tournaments
x	✓	x
35% Rake Back	35% Rake Back	35% Rake Back

3. Tokens

Cryptonia tokens powering the platform, Cryptonia Poker, will be launched in two phases—Pre-ICO and ICO—for players and investors.



3.1 Cryptonia - Definition

Cryptonia is the official currency used for playing on the platform. It's a cryptocurrency that is based on Ethereum. Cryptonia can be easily deposited or withdrawn by the gamers from their wallets. It is divisible to 18 decimal points as a usual ETH cryptocurrency.

3.2 Token allocations

In total, 1 billion Cryptonia tokens will be available in the system.

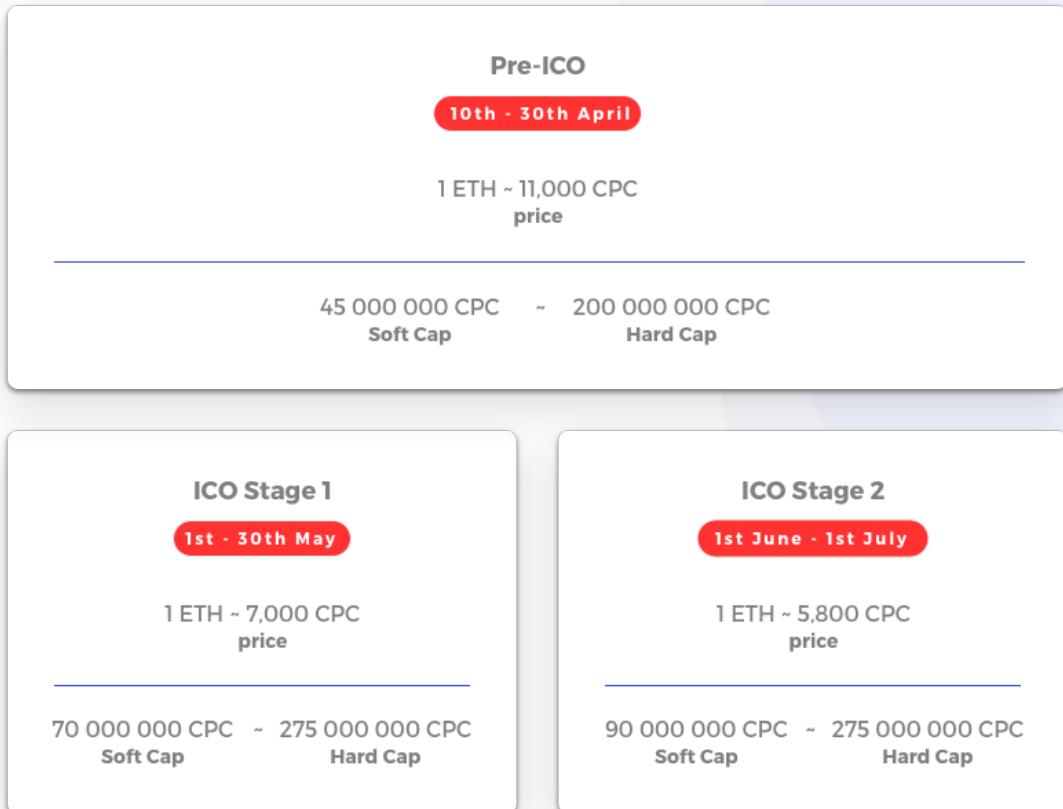
- In the ICO's 75% or 750 million will be made available to players and investors.
- After the ICO, 10% or 100 million Cryptonia will be offered in the tournament prize pools to attract and encourage players to play and to attract new players.
- 15% or 150 million Cryptonia tokens will be used for later promotions and tournaments to maintain liquidity in the system, and to keep existing and new users motivated.
- Five per cent tokens will be reserved in the exchanges after the end of ICO this will also help us to be on as many exchanges as possible.
- Five per cent of the tokens will be allotted to the promoters, management and advisors for their contributions. These tokens are already blocked.

3.3 Milestones

Following is a brief timeline of the launch and development of Cryptonia and the platform:



3.4 ICO details - Prices and hard & soft caps



The pre ICO will start 10th April, 2018 and end on 30th April, 2018.

- Hard cap of this phase of ICO will be 200 million Cryptonia (CPC).
- Soft cap of this phase is 45 million CPC
- Price of the tokens will be 11000 CPC/ETH

The Stage 1 of the Cryptonia Poker ICO will begin on 1st May, 2018 and end on 30th May, 2018.

- Hard cap of this phase of ICO will be 275 million
- Soft cap of this phase is 70 million CPC
- Price of the tokens will be 7000 CPC/ETH

The Stage 2 of the Cryptonia Poker ICO will begin on 1st June, 2018 and end on 1st July 2018.

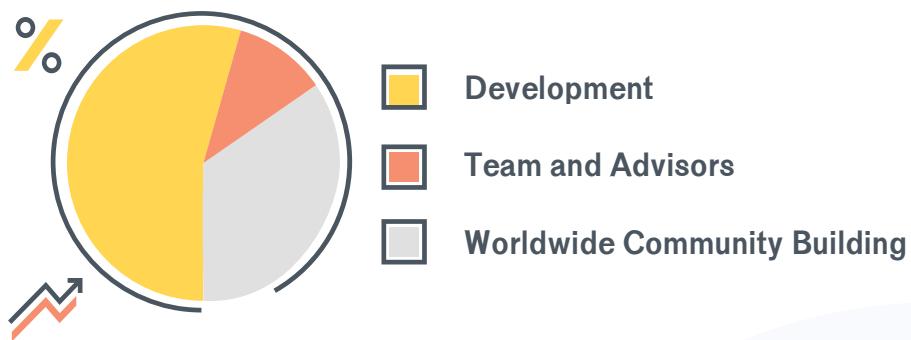
- Hard cap of this phase of ICO will again be 275 million
- Soft cap of this phase is 90 million
- Price of the tokens will be 5800 CPC/ETH.

In case, our Soft cap for the ICO isn't reached, all the money shall be refunded to the investors.

The CPC tokens that are not sold during the ICO, will burn after end date of the ICO, and thereto the purchased token will define the ecosystem.

We can't know the exact price of Ethereum in terms of fiat after the ICO, so for clarity, we are providing CPC's price in terms of ethereum.

3.5 Etherum allocation



A transparent and efficient platform and a healthy community is what we aim for, therefore the Etherum collected will be used in the following manner:

- Sixty per cent of the Etherum will go towards development, maintenance and upgradation of the platform, servers, application integrations, etc. Our platform is right now under development, and after our pre-ICO our software will be launched. With time, we will keep adding new features to make it more secure and enjoyable. These funds will also be used for future software development and updatations, and to bring in live tournaments, GTDs, and more games.
- Twenty per cent of the Etherum will be used for promoting the platform through various channels online to encourage online gamers to play on Cryptonia Poker, so that the size and value of our platform increases.
- The rest fifteen per cent of the Etherum will be reserved for the team, advisors and ambassadors of the platforms for rendering their valuable services.

4. Cryptonia Poker's development plan

First quarter from our launch

- Cryptonia Poker rooms will be available to play on with play money–cash games and tournaments
- Programme for fair play–random number generation and secured play

Second quarter

- Improved security programme with the feature of player-enabled alerts about suspicious activities
- Advanced random number generation

Third quarter

- Algorithms to detect collusion and bot-enabled activity
- Bounty programme

Fourth quarter

- New games
- Loyalty programme

4.1 The play rooms

Cryptonia Poker rooms are available online for players to join. You can play on the platform right away with play money. You can play from anywhere, with anybody in the world.

4.2 Games and features

We will keep adding new games to attract different types of recreational gamers. Our security and game features will keep the environment fun and healthy.

Some of the games that we plan to have beside Texas Hold'em Poker are Open Face Chinese poker, 5 Card Omaha, and All-in Poker.

The iOS and Android apps will make the online poker rooms accessible to the players anytime, anywhere. This will help build a stronger community.

4.3 Referral programme

Our advanced system will help players to see the status of the gamers they refer.

Affiliates can manage how to improve participation of their referrals based on the data they receive about them.



5. Cryptonia Poker team

Our team is a wonderful mix of Cryptocurrency enthusiasts and poker lovers. They know how to mix business with pleasure, and they are putting in their heart and soul to create a platform that is both fun and value generating for online gamers.

Meet our team:



Lakshay Anand
CEO & Founder



Vivek Jain
Co-Founder



Paul Danilov
Professional Poker Player



Anastasia Naymushina
CMO



Alexandr Palamarchuk
Bounty Team Lead



Abdallah Altrabeishi
Head Of Security



Sharad Kant
Interface & Product Designer



Sofia Terekhova
Backing Agent



Opeyemi Francis Oni
Smart Contract Developer



Igor Chetkarev
Customer Success Manager



Shivani Ahuja
Writer & Editor



Cryptonia Poker's team is continuously getting bigger and better. We plan to get more members on board post our ICO for the following profiles:

- Community building and PR
- Business development
- Security

Meet our Advisors:



Scotty Nguyen
Prince Of Poker



Daniil Morozov
Investor & Business Advisor



Vadim Ivanenko
ICO & Blockchain Development



Filip Poutintsev
Cryptocurrency & Blockchain Expert



Tushar Kant
Technical Advisor



Meet our Partner's:

BETCONSTRUCT

 **pokernews**

Global Torg LP

 **PokerTube**

 **HIGH STAKES
DATABASE**

 **OnGrid™
Systems**