

META POKER WHITE PAPER

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Implementing The Metaverse By Poking It

Metapoker

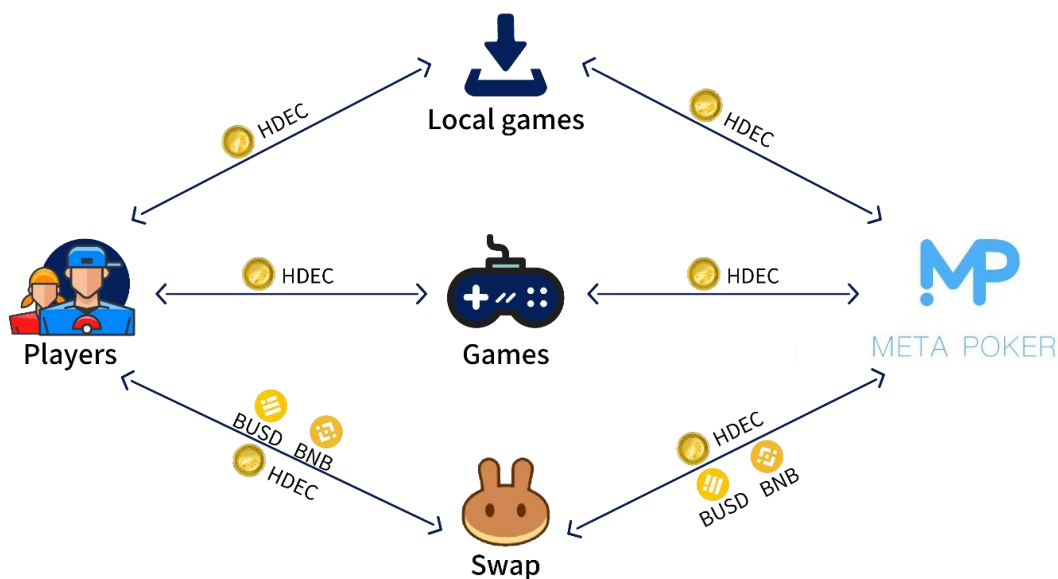
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1.1 What is META Poker

META Poker is the world's first and currently the only one which merged the block chain technology ; crypto currency ; AI technology; NFT and VR, AR etc. It is a revolutionary online poker ecosystem. Create a truly decentralized business model, ensure sustainable and rapid growth of token HDEC within the ecosystem. “Play To Earn” is our goal set for users, while they exploring METAPOKER ecosystem.



META Poker is facing global with strong commercial expansion and great imagination. As the concept is ahead of the mark, so there is also unlimited potential to explore.

Behind the META Poker project is a group of specialists and pioneers with decades of combining experience in the Poker and IT & commerce industries. The end product envisioned by Holdem Coin (HDEC) is a cryptocurrency through our ecosystem that is ultra-efficient for investors, consumers, and businesses. It will participate in ecosystem's games and events as well as purchases.

2.1 Poker & Online META Poker

Texas Hold'em is an industry that has grown with unbelievable speed in the last couple of years. According to the World Series of Poker, there are 100 million people playing poker, and over 60 million of that is in USA at the date of 17th June 2021.

For reference, there are 65 million people playing baseball, and 87 million people playing tennis over the world.

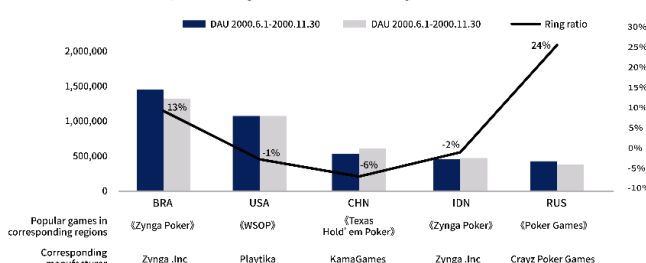
The number of the world's largest online poker platform daily active players is only 15000-20000.

Globally, there are 120 million people playing various online "Poker Games".

Global Texas Hold'em game DAU ranking in 2020 (TOP10)



Comparison of global Texas Hold'em game market DAU in 2020



First of all, as per statistics Texas Hold'em is more popular than tennis and baseball. Secondly, we have plenty of room to convert a certain number of 100 million players into online players. Thirdly, the 120 million online poker players are also potential users of ours.

2.2 Status Quo Of Crypto Currency



January 3rd, 2009 was a milestone in the history of all mankind, when Bitcoin was officially born, opening the era of cryptocurrencies. From that day on, so far, cryptocurrencies along with the pace of blockchain new technology and IT has quietly entered the financial life globally. Whether you can sense its temperature, it has released a huge amount of heat to real financial life, like the sun to the endless universe bloom. Cryptocurrency originated in some technology companies to the super-sovereign currency dreamed of the pursuit, trying to use blockchain technology to achieve the decentralization of global currency and the fixed amount of issuance, and on this basis reflects the low transaction costs of currency, transaction speed,

anonymity and other advantages, and finally play a role of the crypto.

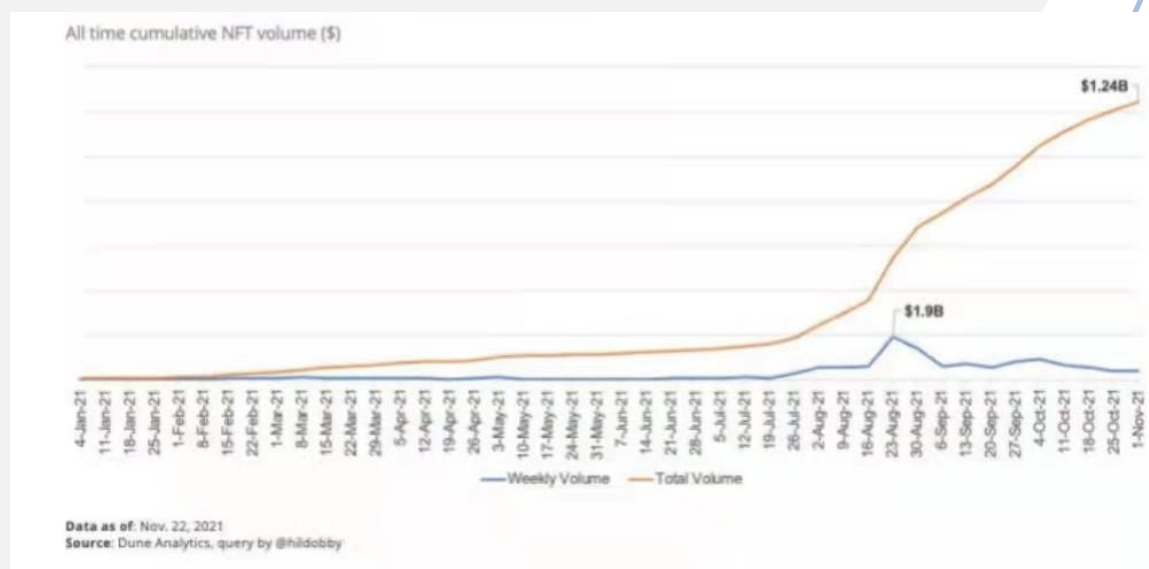
It has allowed central banks around the world to witness its enormous potential. Profound changes or influence on the current monetary system, have won the favor of a considerable number of people around the world. The pioneer of crypto currency - Bitcoin to the global financial investors have brought broad investment prospects. Many people involved in crypto investment from which to share a huge dividend.

As to May, 2021 the world largest crypto trading platform, Binance's daily trading volume hits 300 billion USD during recent. More people are jumping into cryptocurrency, much because it is easy to trade the digital assets.

Since now 1 in 10 people invest in cryptocurrencies over the world, including those who wish to trade through it.

2.3 Market Potential Of NFT

NFT Trading Volume Increases in 2021



NFT, a non-fungible token, whose trading volume surged in the third quarter in 2021 to \$10.67 billion, a report by analytic platform DappRadar found that is a 704% increase from the previous quarter.

August, in particular, fueled this growth. It was a record-breaking month, according to DappRadar, with over \$5.2 billion in trading volume.

Market Potential Of NFT

NFT Trading Volume Increases in 2021



Though things cooled off slightly in September, it still accounted for over \$4 billion in trading volume.

This massive spike is the result of a number of factors, DappRadar found, which tied with the key reason that people are spending hundreds, and sometimes millions on NFTs.



Key benefits of NFTs include independent and public verifiable means for rare collectibles. NFTs also provide a way of a double-check the ledger as necessary, while simultaneously providing an easy way to own copyrights. For example, Jack Dorsey, the CEO of Twitter sold an NFT worth USD 2.5 million in 2021. The NFT included a digitally signed copy of his first-ever tweet on his platform, generating major interest in the concept of NFTs.

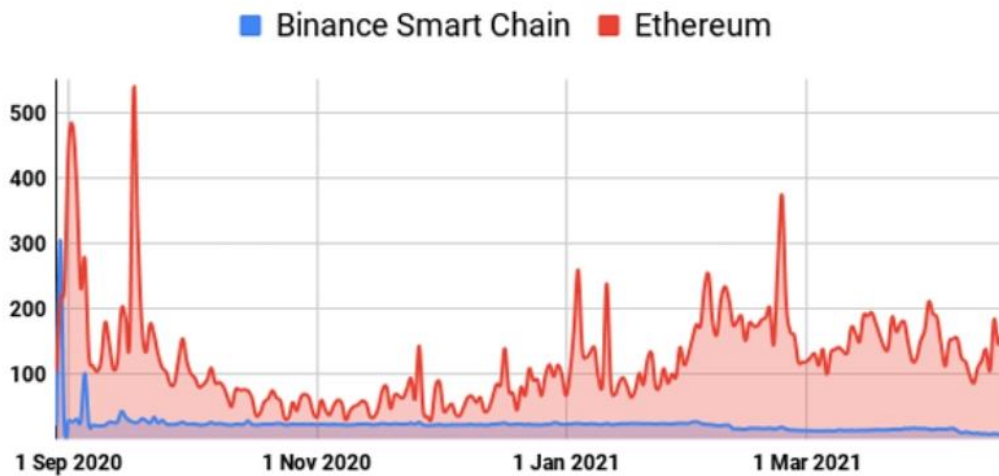


Similarly, NFTs is also continuing to garner interest in the adult film industry. Adult film industry stars have recently become tremendously active on NFT platforms, while selling digital and personalized images of their work, garnering promising interest. NFTs have also garnered interest in copyright laws for works that have won the Nobel Prize. For example, at UC Berkeley, two Nobel Prize winning patents for cancer immunotherapy, and CRISPR-Cas9 were disclosed in May 2021 to potential buyers with keen interest in cancer research. The NFTs fetched a record price of nearly CAN 55,000, promising breakthrough of new commercial application of NFTs.

2.4 Binance Smart Chain Defi

Daily average transaction fees (Gwei)

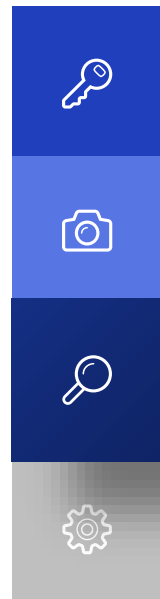
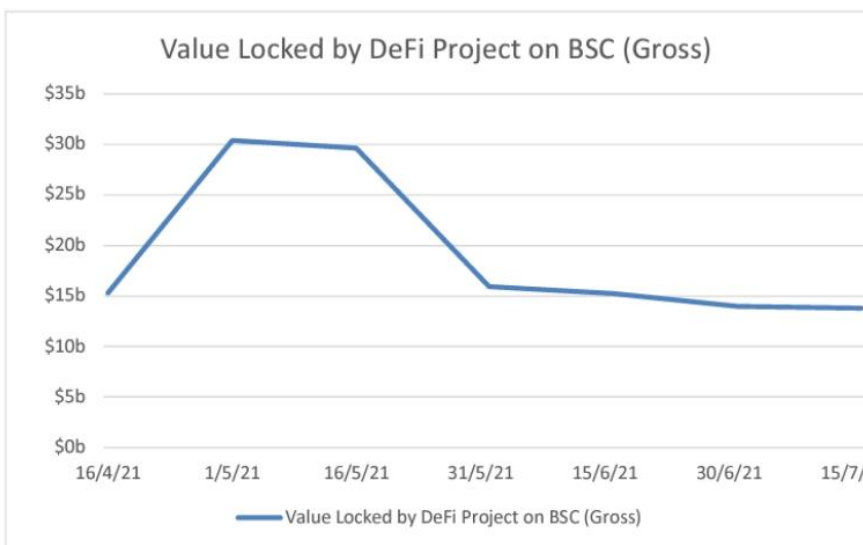
Source: BSCscan.com, Etherscan.io



Source: copper.co

Binance, the world's largest cryptocurrency exchange, has caused a rise in cryptocurrency activities in recent years. In 2020, Binance launched the Binance Smart Chain(BSC). The BSC is a hard fork of the Go Ethereum (Geth) protocol, and as such, shares many similarities with the Ethereum blockchain. However, BSC developers have made significant changes in some key areas. One key area is that the BSC uses a Proof-of-Stake-Authority (PoSA) consensus mechanism similar to regular Proof-of-Stake (PoS). The network is secured from the staked coins that the investors have locked into the contract. The more coins an investor

stakes, the more they can earn as a reward from the BSC network. Not only is PoS more efficient than Proof-of-Work (PoW), which Bitcoin uses, but it is also much more eco-friendly due to the low energy costs. For immediate comparison between Ethereum and the BSC, the average daily fee on 18th April 2021 for Ethereum was 170 Gwei, compared to 7.33 of BSC.

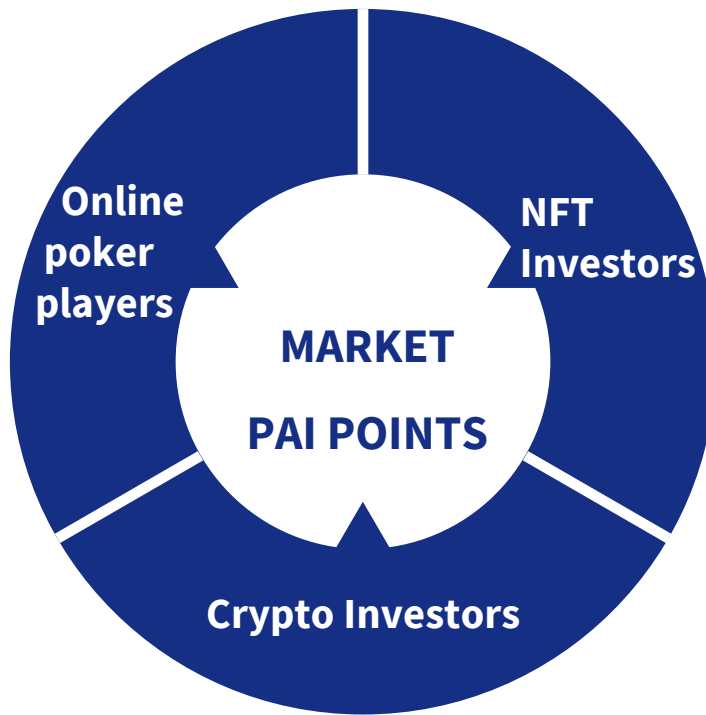


Using features such as the Binance Bridge and Ethereum Virtual Machine (EVM), the BSC has become one of the cheapest, fastest, and most extensive cryptocurrency networks in 2021. Just less than one year after the launch of the BSC mainnet, the value locked by DeFi projects on BSC has reached a whopping US\$30 billion.

2.5 Market Pain Points



Amidst the booming BSC DeFi market, crypto trading needs and online poker market, we have uniquely positioned META Poker Ecosystem to solve the pain points faced by our several significant audience groups.



1. Online poker players

1.1 **Settlement** is an important concern for all players while they are playing online.

1.2 **Fair Play** or not will be the point of doubting of online players.

1.3 **Profitable** or not decide how much volume will the platform absorbing.

2. Crypto investors

2.1 **Limit Using** cases of token.

2.2 **Protectable** rights & interests.

2.3 **Potential** of appreciation.

3. NFT investors

3.1 **Transaction Liquidity** width.

3.2 **Market Bubble** & loss.

3.3 **Maintain** value of collections.

3.1 Visions & Goals

META Poker is dedicated to incorporating elements of the METAVERSE into the Texas Hold'em. By using blockchain technology and DEFI redirect crypto investors to participate in Texas Hold'em, at the same time by using Texas Hold'em to engage players investing blockchain and DEFI. The METAPOKER ecosystem is used as the carrier to make the two audiences groups intersect, thus it is playing a complementary role. Developer team will launch a unique online poker platform incorporated with avant-garde concepts to drive the core evolution of Texas Hold'em, it will detonate the market.

Creative, Profitable, Reliable are our core principles to build the META Poker Ecosystem. Our goal is to be the forerunner of the METAVERSE.

MP
META
POKER

3.2 Proposed Solutions

To address the pain points of online poker players, crypto investors, NFT investors, we have come up with a complete solution with the following characteristics.

3.2.1 Online poker players

Providing our own token “HoldemCoin” for settlement, which is fast (no waiting period) and secure (decentralization protects your personal information).

Certified by Gaming Labs, Random Number Generator System to prove our platform’s normalization. Supplying our cutting-edge AI technology to anti-collusion & anti-AI.

“Play to earn” which means players are able to be mining our “HoldemCoin” by playing our games on the platform or by unlocking daily missions, and at the mean time, earning our exclusive NFTs.

3.2.2 Crypto investors

HDEC will be used into our entire ecosystem. HDEC can be used as the settlement in our nominated local cash game. HDEC holders have supervisory rights, which can vote on any important issues as they arising.

Please Refer to our Tokenomics page.

META Poker Ecosystem will continue to act as social media delivery; partnership with poker celebrities; supporting local cash games & tournaments; monthly/weekly special events as airdrop & freeroll tournament etc. Those marketing strategies will be supplied to ensure token's appreciation.



Cash settlement

HDEC can be used as the settlement in our nominated local cash game.



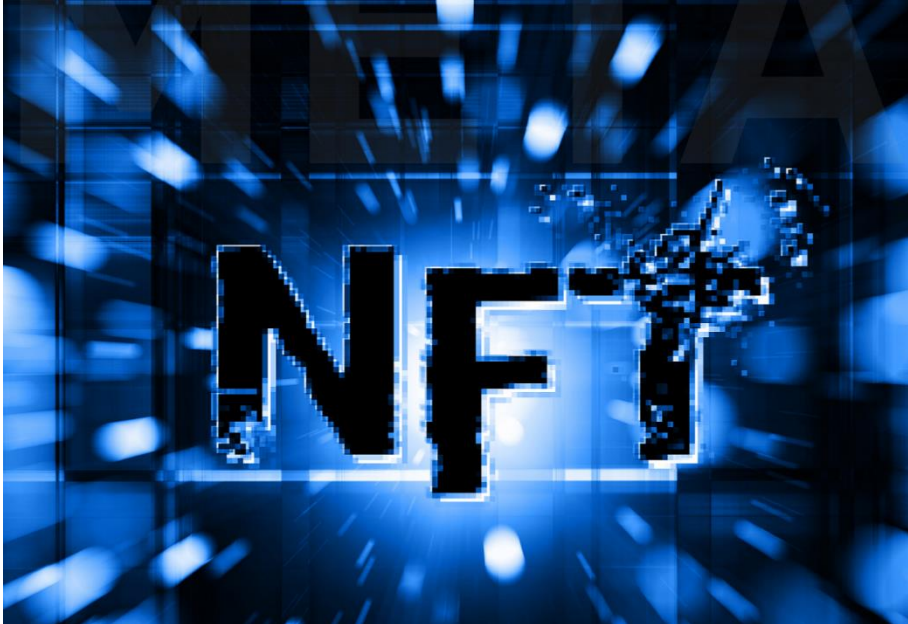
Auto farming

HDEC holders will receive 1% transaction fees as "auto farming".



Vote

vote on any important issues as they arising.



3.2.3 NFT investors

As the number of platform's members reaching a certain number, we will release exclusive NFTs in a limited number, using our platform's reputation & flow as endorsement. Its rare characteristics deepen the transaction's width.

We will limit our circulation of NFTs under 10 thousand, while most of the projects issuing more than 10 thousand. Our development team continues to add new concepts to our ecosystem to drive flow growth.

Combined with blockchain technology, and partnership with a trustworthy determinate organization. It could solve the obstacle of exclusive digitally creative difficulties to trade to preserve value. In the past, physical collections had room for high-priced transactions, preservation and even value-added. NFT makes it possible to separate the "original works" of the digital world.

Encourage game makers to create their own NFTS with their unique tag, which can be supplied in META Poker Ecosystem, it will increase the interest of amateur in NFT. This allows more users to participate, so as to achieve improving transaction Liquidity width as well as Maintain value of collections .

3.3 The Mask



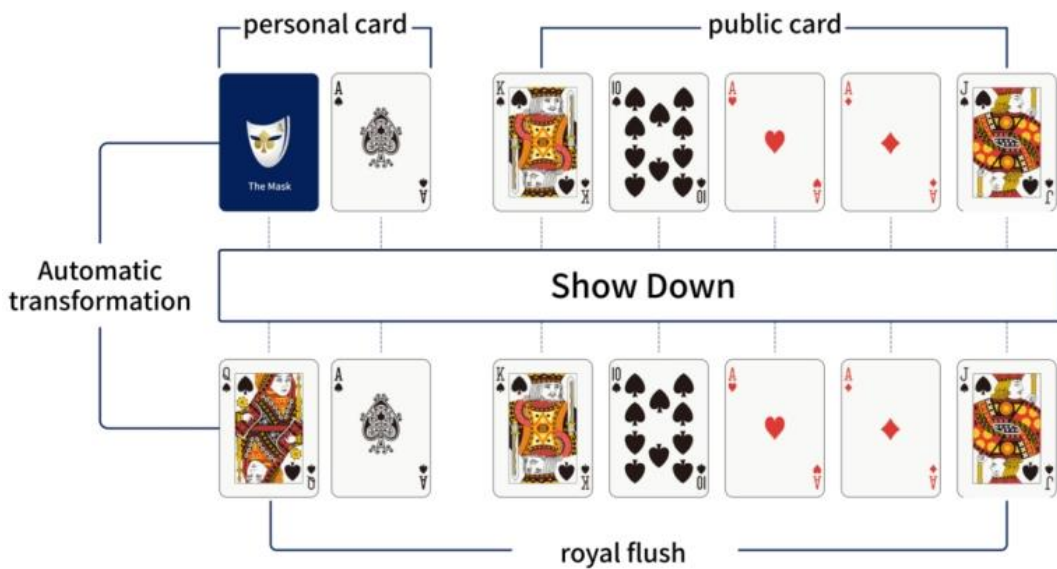
METAPOKER Platform provides interesting and unique games and encourages players to actively participate. In addition, the platform recovers a certain proportion of HDEC as service fee, which forms a forward return path. Most part of recovered HDEC enters Grand Jackpot, which will be re-distributed to incentivize participants in the ecosystem.

First of all, “The Mask” service fees are charged through HDEC and the corresponding locked HDEC enters Grand Jackpot. The platform incentivizes players with HDEC according to their contributions. More and more players redeem and hold HDEC and place it in the platform to obtain incentives, which would increase the locking amounts of HDEC and reduces circulation of HDEC in the market. As further using cases for HDEC are created and more scenarios are explored, long term utility value of HDEC may increase.

“The Mask” is based on the calculation results of Texas Hold'em, but plus with two more “The Mask” cards, which turns 52-card-poker into 54-card-poker. “The Mark” card can be used as every other card whilst the game as it is given a variable function.

Example one

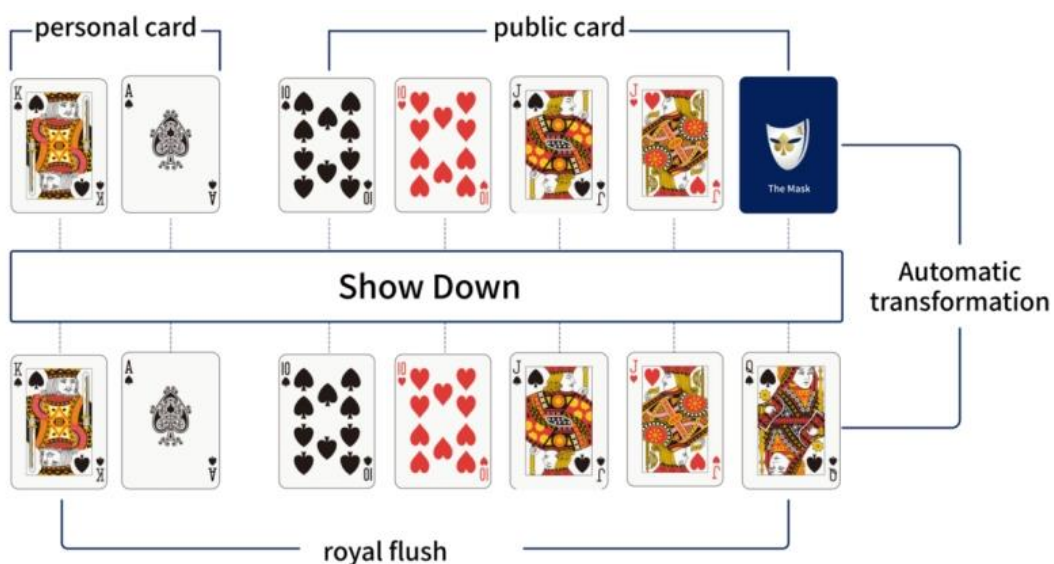
Player A is holding a “the mask” card plus a spade A, with the community cards are as followed, a spade K, a spade 10, a heart ace, a diamond A and a spade J, in which, player A could use “the mask” card as spade Q in the SHOW DOWN . that gives a royal flush to player A.



Example two

Player B is holding a spade A and a spade K, with the community cards are as followed, a spade 10, a heart 10, a spade J, a heart J and “the mask” card, in which, player B may use “the mask” card as spade 10. Then that also gives a royal flush to player B.

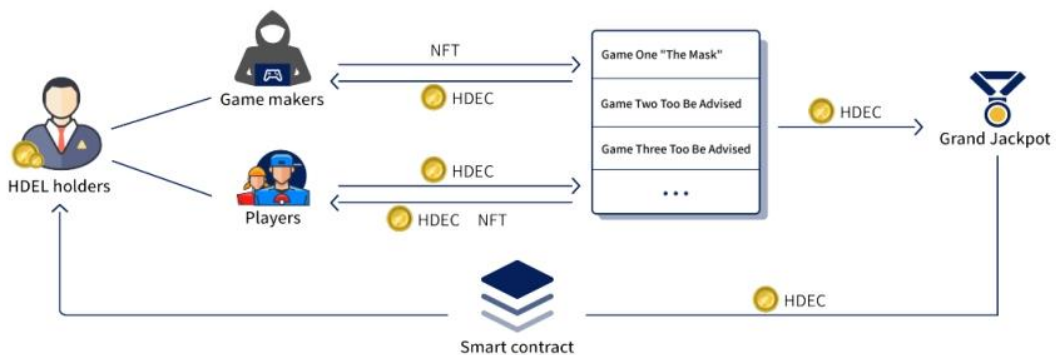
As a result, the “the mask” card can enhance the enjoyment and the variability to the holdem.



3.4 Grand Jackpot

After the accomplishing of “The Mask” game, the unique Grand Jackpot mechanism of METAPOKER will be brought into ecosystem. Parts of benefits from “The Mask” game would be given to Grand Jackpot, in the meantime, contributions made by each HDEC holder in “The Mask” game would be recorded intelligently and equitably, and then, the total income of Grand Jackpot would be distributed by contribution degrees. Eventually, the business structure of decentralization would be achieved.

As more “PLAY TO EARN” games would be generated by our Development Team, Grand Jackpot could be used to every game on our platform.



The issuer of the statement interacts with the receiver twice to complete the issuance of the anonymous statement.

(a) The issuer creates a random number n_1 and sends it to the recipient.

The receiver creates a random number v_r , calculates $U = R_1 m_0^{SV} \pmod{n}$ for the master key m_0 and sends it to the issuer.

the issuer is created into a random prime e and an integer v ,

the issuer on the attribute $\{m_i\}$ and computes the C-L signature (A, e, v'') to send to the recipient.

The receiver computes $v = v_r + v''$, to obtain the anonymous certificate (A, e, v) .

With this protocol, the receiver has access to the issuer's C-L signature of the public attributes, plus its own master key m_0 , the cryptographic information part of the anonymous statement.

The holder of an anonymous declaration exposes some of the attributes of one or more declarations to the verifier, while hiding others, and thereby proves that some of the assertions are correct.

When a holder constructs a proof using an anonymous declaration, it first needs to prove that it knows the hidden attributes of the declaration. Assuming that there are k attributes $\{m_1, \dots, m_k\}$ in which the attribute \mathbb{H}_l is hidden, the proof is constructed as follows:

6) Create a random number A that randomizes the C-L signature in the statement: $A' = A \cdot S^{r_A}$, $v' = v - e \cdot r_A$

7) Construct a zero-knowledge proof according to the protocol described in Section 3.3.2.2. $\pi = \text{SPK}\{r_A, e, v', \{m_i : m_i \in \mathbb{H}_l\} : \text{VERIFY}_{pk}(\{m_i\}, A', e, v') = \text{TRUE}\}$

8) Output proof.

In order to prove a certain assertion, it is necessary to construct a proof of the inequality $m \geq b$ for the properties in the anonymous declaration in the following way.

9) Compute the difference

m , express it as a level sum of four integers.

$$\Delta = U_1^2 + U_2^2 + U_3^2 + U_4^2$$

10) $\pi_1 = \text{SPK}\{(u_i, r_i) : T_i = S^{\mathbb{H}} Z^{\mathbb{H}}\}$

11) Create a random number, hide the difference in $T\Delta$, and construct the following proof.

$$\pi_2 = \text{SPK}\{(u_1, u_2, u_3, u_4, a) : T_\Delta = \prod T^{\mathbb{H}} Z_a\}$$

$$\pi_3 = \text{SPK}\{(m, r_\Delta : S_b T_\Delta = S^{\mathbb{H}} Z^{r_\Delta})\}$$

12) Output proofs (π_1, π_2, π_3)

The proof and the triplet proof (π_1, π_2, π_3) constitute a complete proof of the assertion.

The verifier verifies each sub-proof according to the protocol described in Section 4.3.2.2, and if all of them pass, the assertion is confirmed to be true.

3.5 META Poker Governance



META Poker Ecosystem will launch governance contract. Governance contract that requires holders to be staked to participate in voting on various proposals for ecosystem improvements in order to receive token incentives.

3.6 Road Map & Team



1. Website & social media release
2. Smart contract audit
3. CoinGecko Listing
4. CoinMarketCap Listing
5. Exchange Listing
6. META Poker Game "The Mask" Launching
7. Grand Jackpot Mechanism Innovating
8. META Poker Governance
9. META Poker Platform Launching
10. Onboarding BSC Tokens into our ecosystem

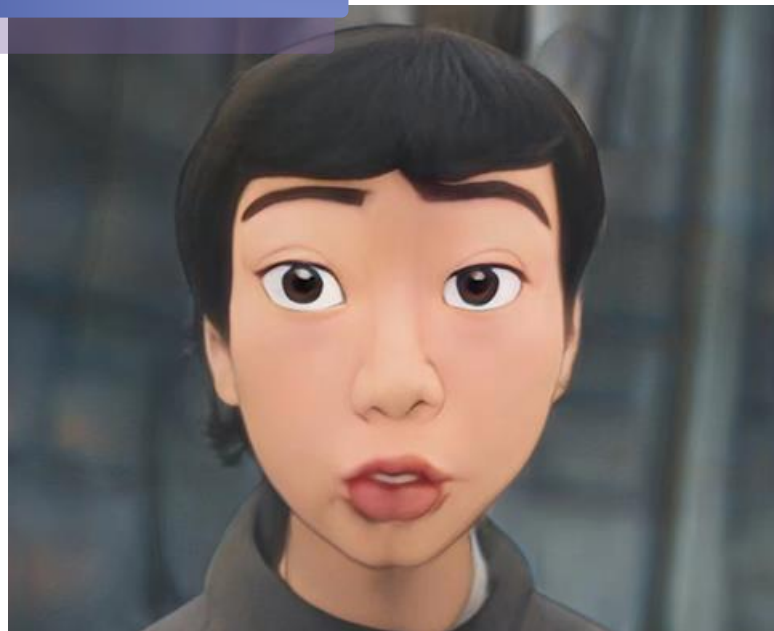
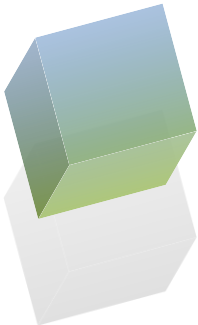


CTO-Troy Wang

OUR TEAM



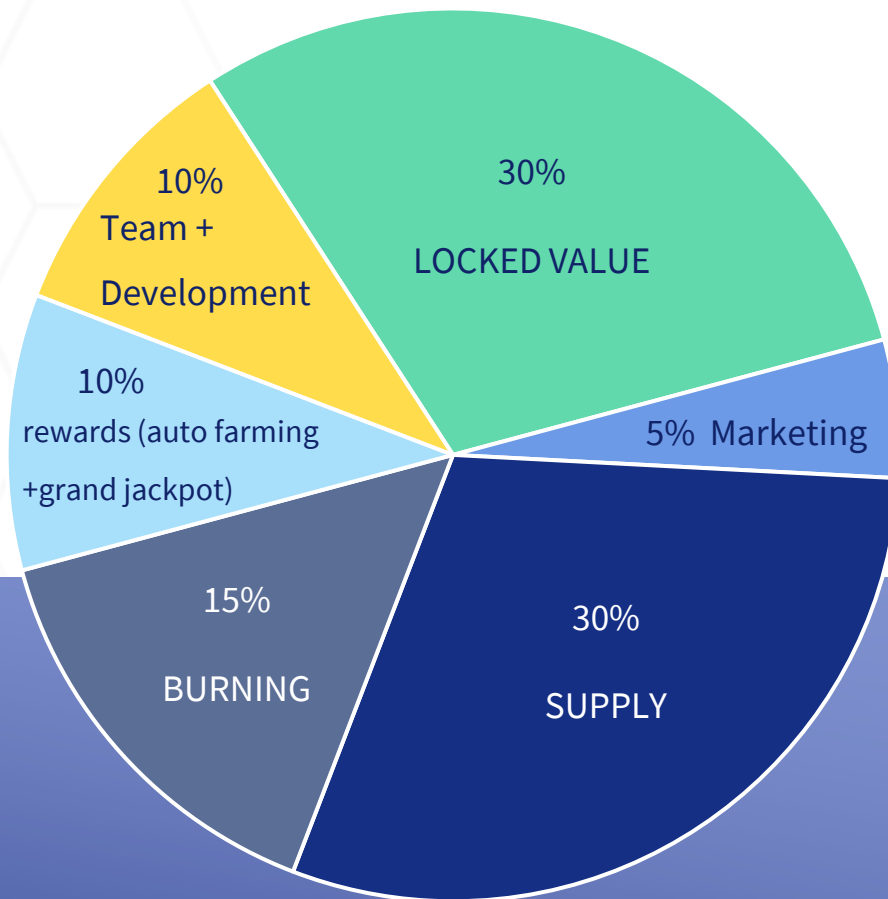
COO-Allen Dong



3.7 Tokenomics

Total supply is 100 billion HDEC which is coded with a BEP-20 smart contract.

Address is: 0x64c58Ef52348a89d6a0F772dDfC8738b7f8E34f8





Thank You