BITCRUSH ARCADE

INTRODUCTION

Bitcrush Arcade is a gaming platform aimed to further integrate the world of Defi and iGaming. It is our belief as technologies progress, the line between iGaming and decentralized finance will continue to blur.

However as today's blockchains are inherently slow and expensive, we believe a hybrid solution is the answer, with a move toward full decentralization, as well as democratization, in the years to come.

With a retro-gaming vibe, and a product beta tested over the past 3 months, Bitcrush Arcade is moving forward with a new concept in Defi Gaming.

Be the House

House Profit sharing controlled by smart contracts. 60% of house revenue goes to staking pools. How does Auto-compounding Casino Profits sound?

Defi Protocols

Familiar Defi staking pools with double the rewards (Apy + House Profits). Just as with all Defi, it's anonymous meaning so signups, or logins required.

Wager Mining

Mine Crush Coins by playing games, then stake, compound, swap, or play more! Additional token mining pools coming soon!

Hybrid System

Live wallet allows for players to choose between provably fair and decentralized gameplay options for complete control of their gaming expereince.

PROBLEM

Blockchains Are Slow and Expensive -

The rise of Binance Smart Chain was a direct response to dramatic rise in Ethereum fees and block times. While BSC is a great alternative for building Defi projects, BSC is still too slow and expensive for fully decentralized games.

If you check Dapp.com or Dappradar.com, you find that there are currently no real gaming platforms built on BSC. Why is that? With decentralized gaming, every roll is a new transaction that requires block times and transaction fees. This creates a user experience that is expensive and tedious.

Pros and Cons of Decentralized Gaming -

Pros-

With decentralized gaming, you control your funds. Your funds are kept in your wallet and only accessed for each roll. When you roll, your bet is taken from your wallet. If you win, your funds are returned to your wallet along with the winnings. If you lose the funds go to the house wallet. The house only takes possession of funds after a loss. Every roll is also handled by a smart contract and therefore can be audited. Additionally decentralized platforms don't require emails to sign up so your privacy remains intact.

Roll results are determined by the latest blockchain hash. For this reason you know it's fair and the house cannot manipulate the results*.

PROBLEM

Cons-

Decentralized games rely on the underlying blockchain for fund management and game results. Every roll is a new transaction that must be signed, fees paid, results determined from the blockchain, and then deposited/withdrawn from your wallet. Each bet can take between 5-30 seconds depending on the blockchain (much longer on Ethereum) and fees paid require large bets to be worthwhile.

It should be noted that provably fair games are a popular alternative, with every roll being able to be verified as fair. Provably fair games are fast and cheap as they use server hashes to determine rolls and do not require separate transitions for each roll. However they do utilize the house's game server which makes them centralized, so a certain level of trust is still required.

Some blockchains have faster block times and have been able to get around the numerous fees by allowing signing of signatures that last for periods of time, as well allowing platforms to pay fees on behalf of users. The result however is still rather tedious compared to provably fair games. These are not available options for BSC/ETH.
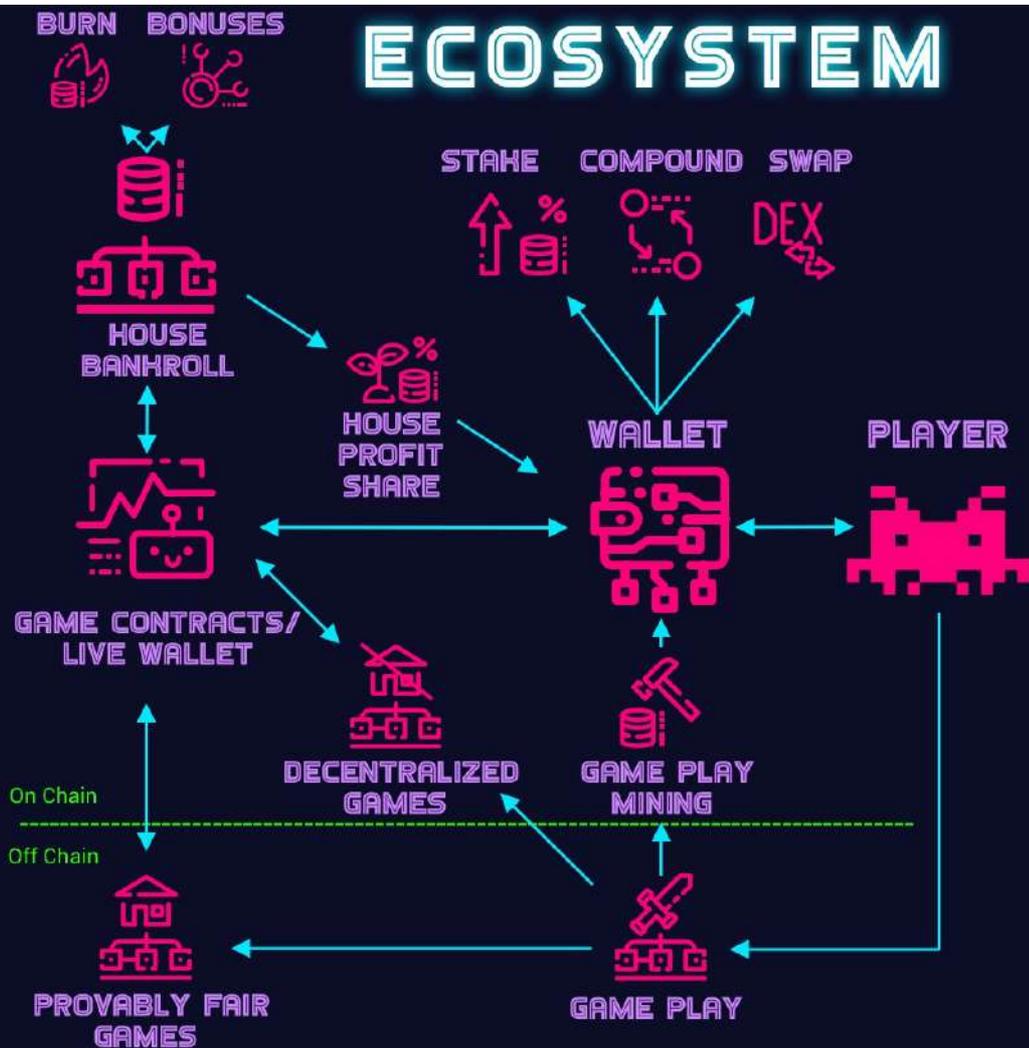
This requires the player to make a choice. Do you prefer to use a fast and provably fair centralized gaming platforms that requires trust, or use a decentralized gaming platforms that can be tedious and expensive?

SOLUTION

Bitcrush Arcade is introducing the first hybrid Defi model for iGaming.

Bitcrush Arcade is introducing games that have centralized and decentralized options, that will allow the player the option they are most comfortable with. This means that players will have the choice to take advantage of the speed and lost cost option of provably fair, or play decentralized for all Bitcrush Arcade games we build. All games we develop[1] will have the decentralized version, and the provably fair version. It's your choice!

*Blockchains are deterministic in nature and do not provide randomness. Therefore, even with current market "fully decentralized games", an internal server is still required to create a hash, that is combined with a blockchain Tx hash to provide results. Otherwise all rolls could be pre-determined and exploited. Please understand when we refer to 'fully decentralized games', this is the method we are referencing. We are, and will continue, to seek out options that allow for true, fully decentralized results as time moves on.
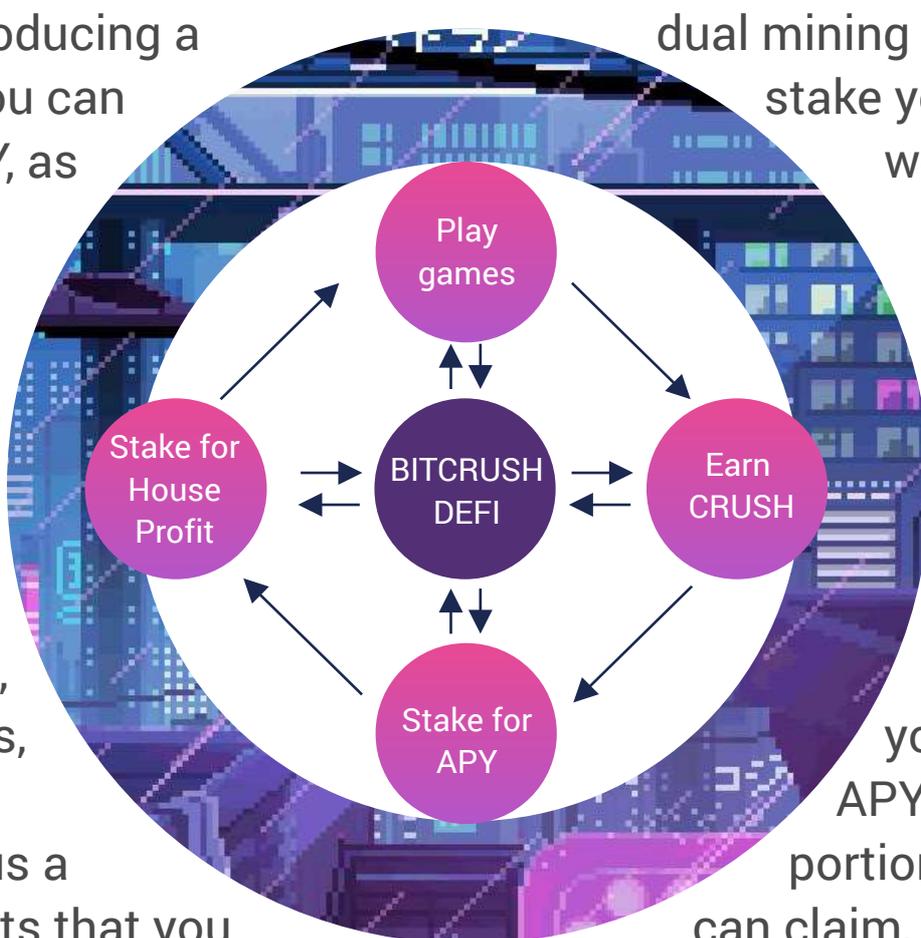
4.

We are introducing a BSC based live wallet to connect to games that require a high volume of transactions, such as Bitcrush Arcade's Provably fair games, and 3rd party slot providers. The live wallet contract will enable you to deposit and play provably fair games quickly. Players can transfer easily in and out of the live wallet contract to take advantage of the benefits of provably fair games, or just play directly from their Web3 wallet (such as Metamask) if they prefer decentralized.

The live wallet will also allow us to work with 3rd party game and slot providers, while being fully transparent with your funds. As technologies progress, the live wallet and games will become more and more decentralized. If you prefer the fully decentralized experience, the live wallet is not required, and all Bitcrush Arcade games will be identified as provably fair, decentralized, or 3rd party.

SOLUTION

A major benefit of our new hybrid system is players will also be able to utilize familiar Defi concepts like staking pools to earn not just APY, but also share in game profits. Unlike some platforms with similar systems, this is managed by smart contracts, with 60% of profits going to staking pools. 3rd party games will have different sharing contracts as profits are also split with the game provider. This will always be shared.

We are introducing a dual mining system meaning you can stake your tokens to earn APY, as well as mine tokens by playing games.

That's right, Crush Coins, handsome used to, plus a house profits that you an play games with. by staking you will earn APYs like you're portion of the can claim, compound,

Players will be able to mine tokens by playing games. By playing games you earn Crush Coins you can stake for further rewards. To mine tokens you can either stake, play games, or both. Win or lose, you earn Crush Coins just for playing.

CURRENT STATE

Current State

Bitcrush Arcade has spent 6 months testing our inaugural game "Dice Invaders". That's right, we have a working product.

Over the last 3 months we have publicly bet tested Dice Invaders in market with almost 500 users, making over a quarter of a million bets. It works, it's profitable, and most importantly, it's fun!

Dice Invaders is a provable fair, retro style dice game using graphic side-bets and a myriad of strategies to choose from. Once live, the decentralized version will follow.

Additionally, we have spent months perfecting an investor bankroll system that allows players to stake tokens for a share of the house profits. This system works and is profitable for investors. We are currently developing the smart contracts for this.

CURRENT STATE

After months of beta testing, it's time to incorporate with the Defi market. We currently have new games designed and ready to be built, new partners, and more to be announced very soon.

Additionally we have unique deflationary products such as the Crush 'n Burn lottery, Black Hole referrals, and faucet that will be shared soon. Once all tokens are mined, Crush Coins become entirely deflationary share token that benefits holders Immensely.

ROADMAP

THE ROAD TO EXCELLENCE IS THE ROAD LESS TRAVELED.

2019 -> Q3 2020 — Ideation, Iteration, & Development

Q4 2020 — Internal Testing & Refinement

Q1 & Q2 2021 — Live Beta Game Testing

May 2021 — IDO & DEFI Launch

Q3 2021 — Player Mining, Additional Games, Referrals, & Profit Sharing

Q4 2021 — New Tokens, Layer 2 & Expanded Verticals

2022 & Beyond — Further Decentralization, DAO, & Provider Services

TOKENS AND MINING

Bitcrush Arcade is introducing a token called Crush Coin (CRUSH) that will be used to mine, stake, and play.

The Total supply will be 30 Million Crush coins.

66% (20M) of tokens will be allocated for mining at TGE.

33% (10M) will be mined per block and distributed to single asset and liquidity pools.

33% (10M) will be mined by players playing games on Bitcrush Arcade.

Token Mining by Game Playing -

Details will be released shortly before game play mining is launched.
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Additional tokens added to wagering pools such as BNB will help move this along rapidly until all tokens are mined.

Bankroll, platform reserve, team tokens, marketing, and liquidity are all allocated at TGE as well.
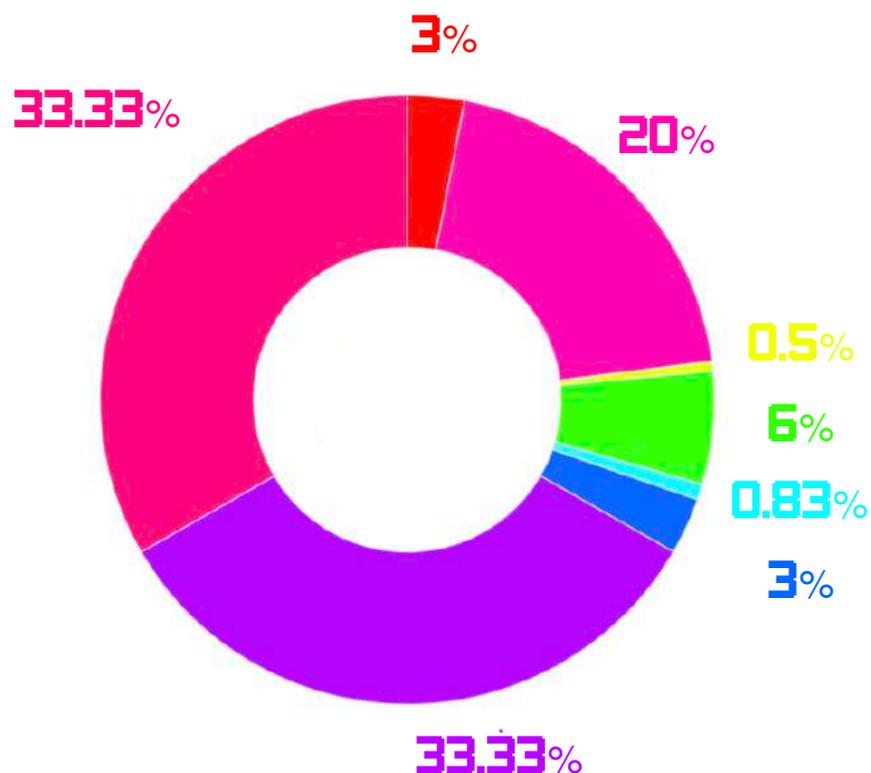
TOKENS AND MINING

Once tokens are mined, no more will ever be minted and the token becomes very deflationary. Daily burns, and other deflationary protocols such as the lottery, Black Hole referrals, and other planned items are very deflationary in nature.

As the core CRUSH coin supply decreases and price increases, the CRUSH coin will become a share token, and additional Crush Chips will be introduced with varying supply to address medium and lower wagering markets. The emphasis will always be on the staked CRUSH Coins to mine APY and receive the house profits. The highest pool multipliers will always be for crush coin pools and LPs.

TOKEN ALLOCATION

IDO
RESERVE
LIQUIDITY
TEAM
BANKROLL
MARKETING
STAKING
WAGER MINING

- 3%
- 33.33%
- 20%
- 0.5%
- 6%
- 0.83%
- 3%
- 33.33%

STAKING AND BANKROLL

Staking and Bankroll Funding -

With any casino, a key element for growth is the Bankroll. This is the pool of funds that pays out players when they win. Since house edge mathematically puts the house at an advantage, over time it is statistically certain the bankroll will trend upward in the house's favor. However, as it is gambling and completely fair, the house will face periods of drawdown.

To rapidly grow the platform, players will be supplying funds to the bankroll when staking their tokens. This will entitle them to not only earn APY like traditional staking pools, but also entitle them to a majority of the house profits. The profit sharing will vary depending on game and provider, however staking pools will earn on average between 50%-60% of house profits from provably fair games.
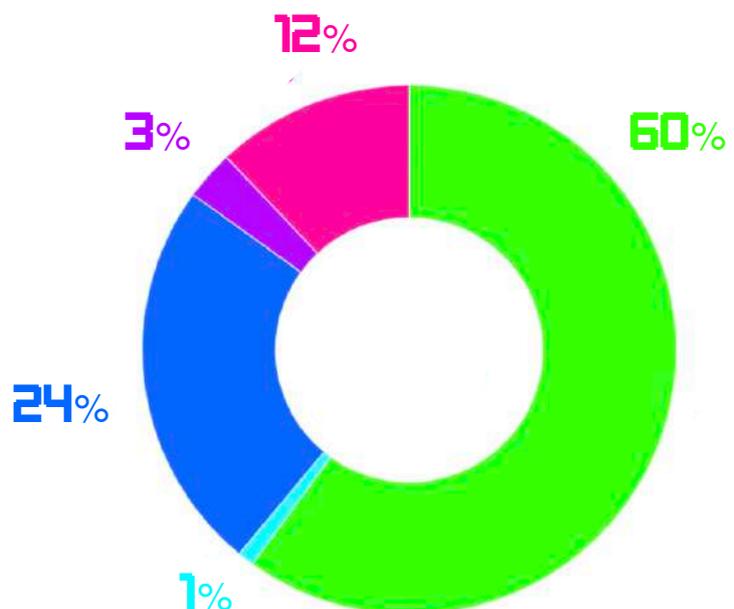
DAILY REVENUE SHARE

BANKROLL

HOUSE

BURN

MARKETING

STAKING POOL

12%
3%
60%
24%
1%

STAKING AND BANKROLL

Additionally, a percentage of daily profit will go toward the permanent house bankroll. This allows for increased size of betting and allows the platform to scale. When a player wins, it will always come from the house Bankroll first. When the house bankroll is at a negative, no revenue is paid out to staking pools until the house bankroll is break even, and then payments resume as planned.

Should a win deplete the house bankroll, the staking pool bankroll be used. This will also mean a stop of profit share payments. The debited bankroll will be split by everyone proportionally. In this drawdown time these tokens will not be available for un-staking, however they will still continue to count toward earning APY. In this scenario, the staking pools are paid back first, and after that the house bankroll will be replenished. Once it is back to break even, profit sharing will be paid out again.

While this staking pool is a bit riskier than normal staking pools, you have a much higher potential for revenue as you are sharing profits with the house. Mathematically, over time, the risk reduces significantly. Also, as the house bankroll grows larger and larger over time, the risk of drawdowns for the staking pool is reduced.

Profits earned in other wagering pools, for example BNB, will be used to buy CRUSH coins on the open market before distributing profits. Yes, profits will always be shared as CRUSH coins, always creating upward price pressure.

MARKETING

Bitcrush Arcade's retro style allows for fun and unique marketing opportunities. We have tested and deployed display ad campaigns with an attractive cost per customer acquisition. Standard marketing tools such as medium, telegram, and twitter are already in place. We have decided to avoid Instagram and Facebook for anonymity reasons. And will be exploring Tiktok as well as a viral platform.

Our marketing message has been fun and tongue in cheek, in line with the current "stonks" meme culture. So far everything has been well received.

The casino industry relies heavily on referrals and affiliates for traffic. We have some unique concepts such as our Black Hole referral program, and will be pursuing typical forms of affiliate engagement, Dapp advertising, endorsements, and more…

PHILOSOPHY

Bitcrush Arcade Core Tenets-

- **Decentralization**

    We believe that people have the right to use their funds as they see fit, in any manner they please. There is no term more offensive or indicative of class warfare than the words "accredited investor". We believe in Decentralized economies free from government oversight and will never ask our players for identification, email, or another identifying documents. We believe in the people's rights to choose their financial instruments.

- **Democratized**

    We believe in the people's right to choose and participate. We don't believe that wealth and opportunity should belong solely to the lucky few, but instead give the people the right to control their funds and their futures. Later this year we will be working with other like-minded entities to democratize iGaming for the masses in a way that will allow anyone and everyone to participate. More to come…

- **Ethically Anonymous**

    The Bitcrush Arcade team is comprised of biz dev crypto enthusiasts, a casino manager, engineer, and a blockchain dev team. Other strategic partners will be announced shortly.

    As governments become more concerned about crypto and Defi their restrictions will increase. It is important for Defi teams with goals of working toward a fully decentralized future to remain anonymous. However, being ethical and transparent is of the upmost concern. It is possible to be anonymous and move forward in the space ethically. We understand in this environment Defi teams are guilty until proven innocent and we will work hard to prove that we are a team that believes in the cause.

    Put simply:

    ## F*ck Rugs. F*ck Scammers. Decentralize the World.

CRUSH IT.