



WHITEPAPER

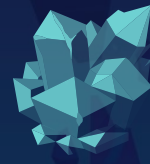
GemBites is developing provably fair Player vs Player (PvP) and Player vs Bot (PvB) cryptocurrency gambling games!



Action Packed!



Stunning Design!



Exciting Gameplay!

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01 Executive Summary

The GemBites team is developing visually stunning and exciting gambling games that will use the GemBites (GBTS) token. Online gaming and gambling is an ever-green industry that is growing every day and it has been going through a paradigm shift as it transitions towards crypto. Along with it, blockchain technology allows for anonymity and trust in the gambling setup.



While this relatively new financial and monetary system keeps growing in momentum across the world, we are positioning ourselves to become pioneers in the crypto gambling industry. We will run a decentralized mobile application market and enter new grounds where crypto gambling can be taken on – such as VR and smart watches. The games are all going to be provably fair and will take advantage of blockchain technology and smart contracts to bring about trust and democratize every aspect of online gambling. In addition we plan to make 6 more gambling games, an inventory system with a marketplace and more!

Gamblers can verify our games for their fairness, timely payouts and our orientation towards privacy.



Lucky Shot

Lucky Shot – an epic cryptocurrency gambling battle!



Not only is Lucky Shot an exciting, interactive standalone game, it also stands as testament towards the quality of GemBites games. The overall user interface is simple and efficient, and at the same time with beautiful graphics, the players will want to play the games again and again.

The game will offer exciting options to play against a real person or a computer player; you can move yourself to any location on the screen for each turn. Your opponent will also move to a random position unknown to you. You then select a random direction to shoot where you suspect your opponent is, and prepare yourself for your opponent's move to do the same. Both shoot at the same time - you either kill your opponent or your opponent kills you; if you both miss, you go at it once again until someone emerges victorious! The rules are simple, the steps are limited but the fun is unlimited!

Rock, Paper, Scissors

Classic Rock, Paper, Scissors game



This game needs no introduction. It is the classic Rock, Paper, Scissors game which is played between two people that encourages fast thinking and a lot of laughs!

Rock beats scissors (by crushing them); scissors beat paper (by cutting it); paper beats rock (by covering it).

Play it against your computer, friends or anyone online!

Dice Roll

All you need to do is to place the amount you want to bet, and you can choose between payout that you want or chance of winning!



All you need to do is to place the amount you want to bet, and you can choose your own payout or chance of winning.

When you do that, you will see under/over (you can play it two ways) which number you need to roll in order to win a bet.

That number can be anywhere between 1.99 and 97.99

For example: If you bet 100 GBTS tokens and choose the dice will roll over 34.99, you can multiply your bet by 1.5231 x and the chance to win is 65%!

Battleships

Battleship is a war-themed board game for two players



Battleship is a war-themed board game for two players in which the opponents try to guess the location of their opponent's warships and sink them. The gameplay is straightforward. Each player hides ships on the gaming screen containing vertical and horizontal space coordinates. Players then take turns calling out a coordinate point on the grid of the other player in an attempt to identify a square that contains a ship. It can be played against an online player or against a bot!

Black Jack

Acquire cards with a face value totalling 21 and no more!



The game is very popular and very straight forward. The objective is to get a hand total of closer to 21 than the online player or bot without going over 21 (busting). At the start of a Blackjack game, the players and the dealer receive two cards each.

Zombie Standoff

Roll your chance of surviving the zombie attack!



You wake up in a zombie infested city and must make your way to the ocean. You roll 4 random digits from 0 to 9 which determine your: Weapon, Survival Item, Companion, Transport and Mutagen. What will be your Survival Chance?

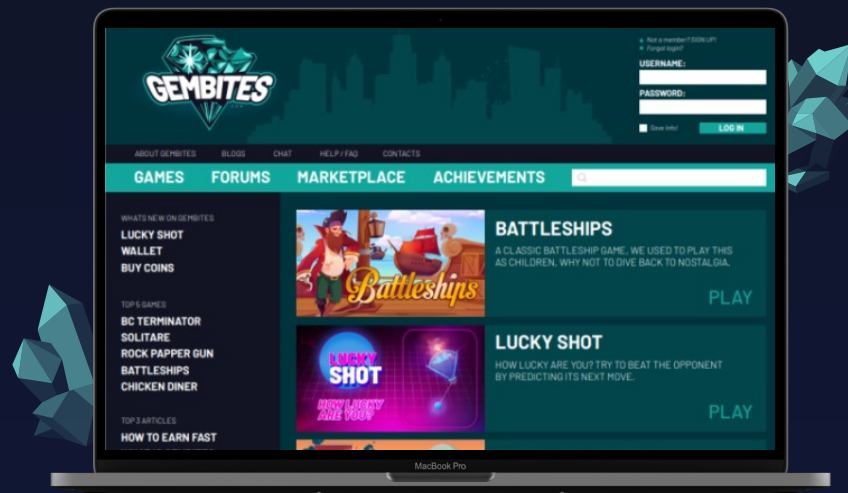
Gembites

"GemBites will be an online multiplayer bitcoin gambling game consisting of an increasing curve that can crash anytime!



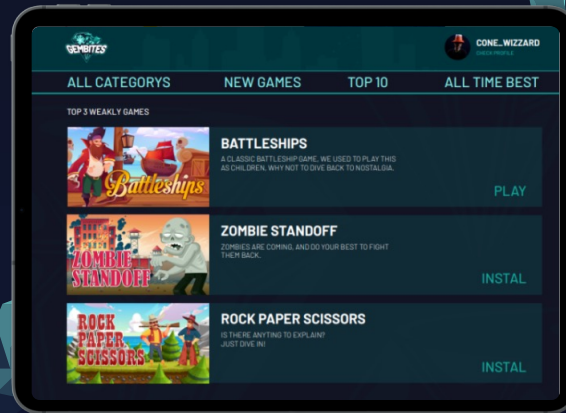
Select the amount to bet and a cash out multiplier. Place your bet. Watch the multiplier increase from 1x upwards! You can cash out before your set up cash out limit, pressing the 'Cash Out' button. Get your bet multiplied by that multiplier. But be careful because the game can bust at any time, and you'll get nothing if it does!





1. Marketplace and NFT collectibles.

As we thought more about rewarding players with unique prizes, we came up with the Inventory system with a marketplace for the NFT collectibles. Players will be able to collect randomly distributed NFT's during the gambling gameplay on our games. The time and amount will be determined by the growing game pot size and player's. The inventory will allow players to store all of their earned and found items in one place across all games. This in turn will allow us to have more diversity in how we can reward players for playing our games, as well as give us a wider genre range for future games we could make. Now that the Inventory system was thought through, we thought about how to improve the quality of our future rewards. Instead of having a pure achievement system like most games, we asked ourselves — how can in-game achievements unlock not only rewards but value as well? That's how we came up with giving our players the possibility to buy, sell or trade these rewards on our marketplace. That would make them much more valuable to the players. From that came the idea of implementing both systems and letting the players enjoy (and benefit) more from our games.



2. Mobile market.

Our mobile market is going to be an alternative platform for Google Play and App Store where our users will be able to download our gambling games in the form of mobile applications. It is necessary that we develop such a market since Google and Apple won't allow the submission of these types of applications on their markets. Therefore, a need for a more liberal mobile market arose. Our aim is to get people to download our cryptocurrency gambling games on their smartphones so that people can play our games on the go.

Unlike other APK files and third-party applications, our market won't require any sort of mobile rooting. Moreover, the inner workings of our market APK are going to be simple and easy where the files are downloaded directly from the server. This makes the processing of the market effective and efficient.



Mr. Arthur
Founder

Hello! I am the founder of the GemBites project.

I got my first crypto coin back in 2013 and I have been dwelling into nearly every niche you possible can in the cryptocurrency and blockchain space – mining, developing and managing projects, advertising, marketing, shilling, fudding, hodling.

Along the way I have connected with many active people in the crypto space – programmers, designers, developers, investors, marketers for coin/token projects, mining rigs, trading exchanges, and advertising projects of all sort. I am going to leverage on my network to propel the GemBites project further!

The plan for the GemBites project is – we develop and market exciting gambling games together with a marketplace for collectibles and a whole mobile market, which are using the GBTS token.

The key to success is to diligently work and communicate with your team and community for the best growth of our gambling games, the collectible marketplace as well as the mobile app market – for developing and receiving feedback on how to make them better in terms of user experience and design!

I am confident in my team due to the extended experience I have had working with them.

Lets rock!



03 Team



Mr. Sylvester
Chief Designer

Mr. Sylvester specializes in Adobe Photoshop, After effects, Illustrator, Premier pro, inDesign, Lightroom, Maxon Cinema and all things design! He is a master at his craft and can produce stunning visuals for the GemBites platform

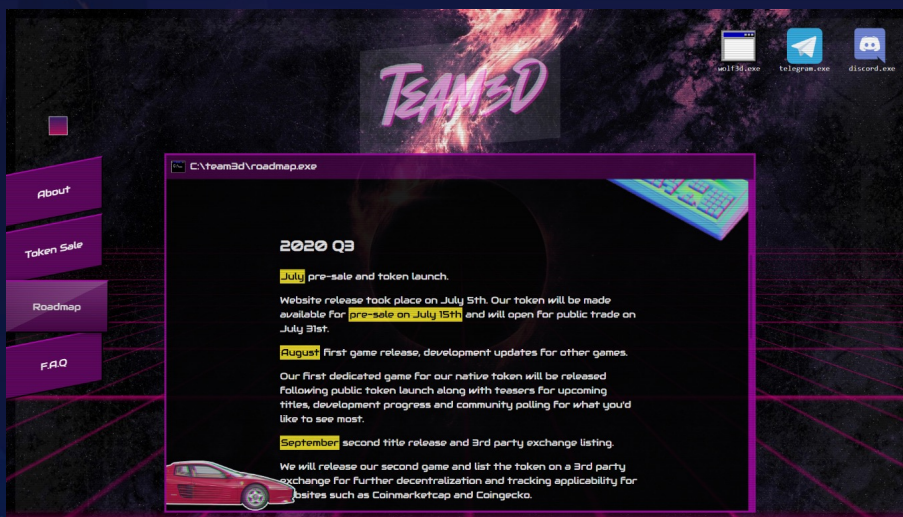
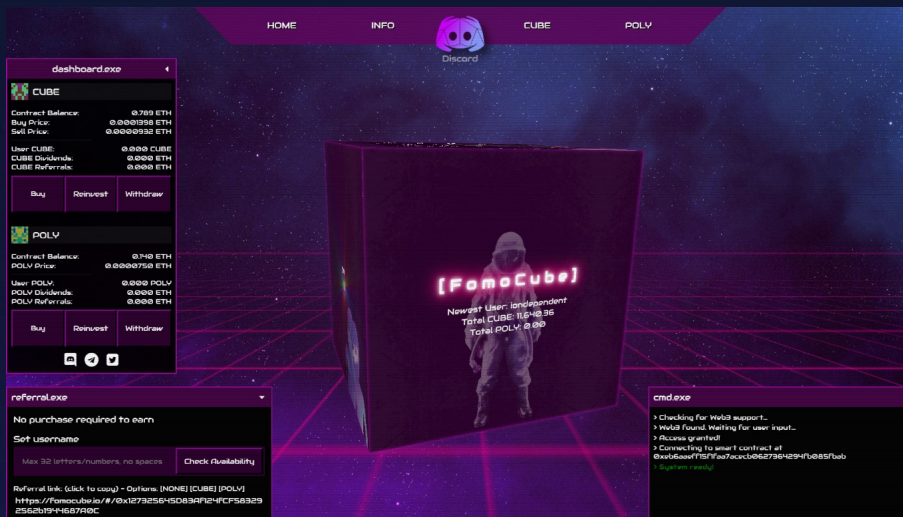




Mr. Cube3d

Full stack developer specializing in web3 and smart contracts

Mr. Cube3D is an expert at writing safe, secure and extremely scalable smart contracts and blockchain solutions. He is a full stack developer, a true jack of all trades.

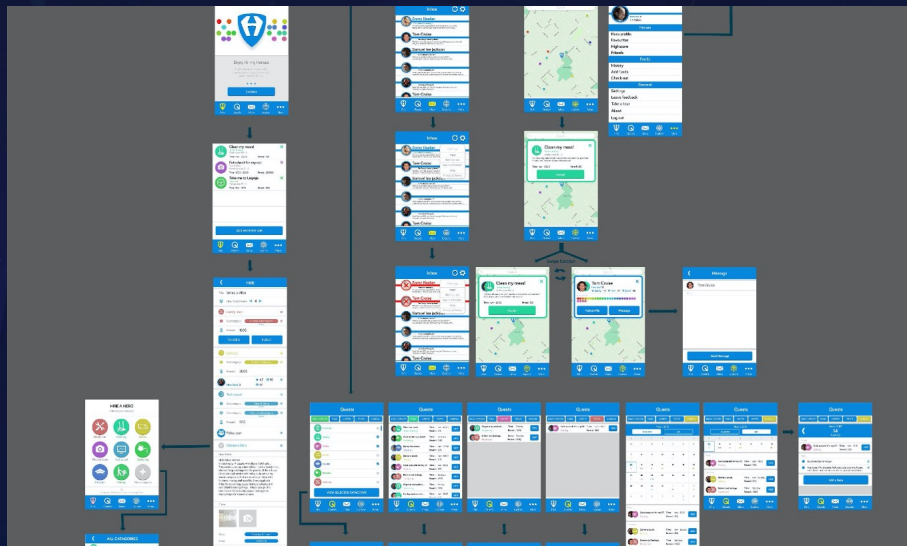




Mr. John
Chief Programmer

Heya, name's John. Been working as a programmer/developer for more than 8 years with all kinds of different projects, ranging from simple games to mobile applications and visual postprocessing software. Now I mostly work with Unity and C#, but have had experience with several C# frameworks such as :

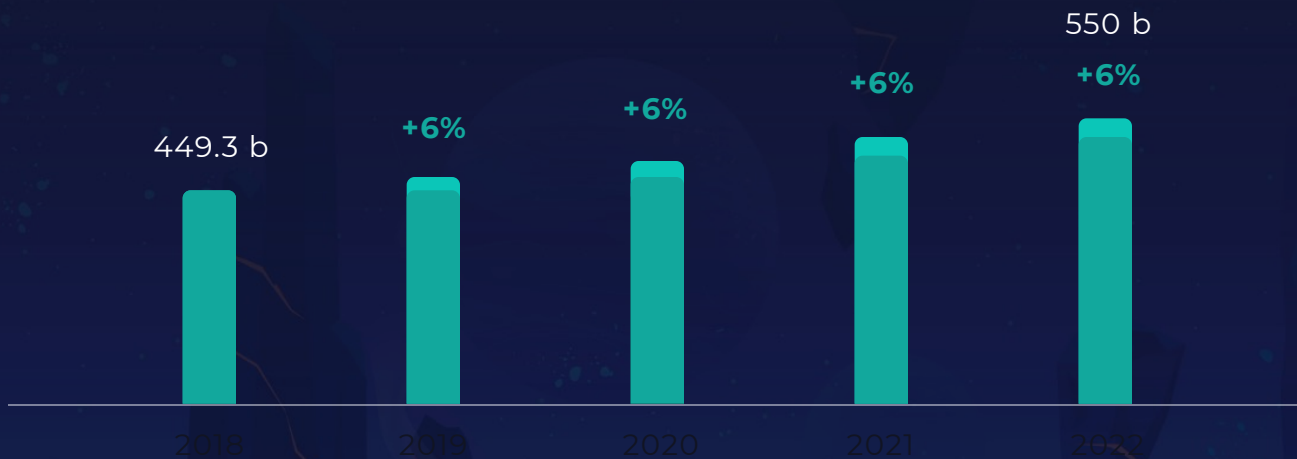
.NET, Windows Forms, Xamarin, Mono and other languages such as C++, Python, Java, Javascript. I am the developer of the mobile applications on Mr. Sylvester's website



Market Overview

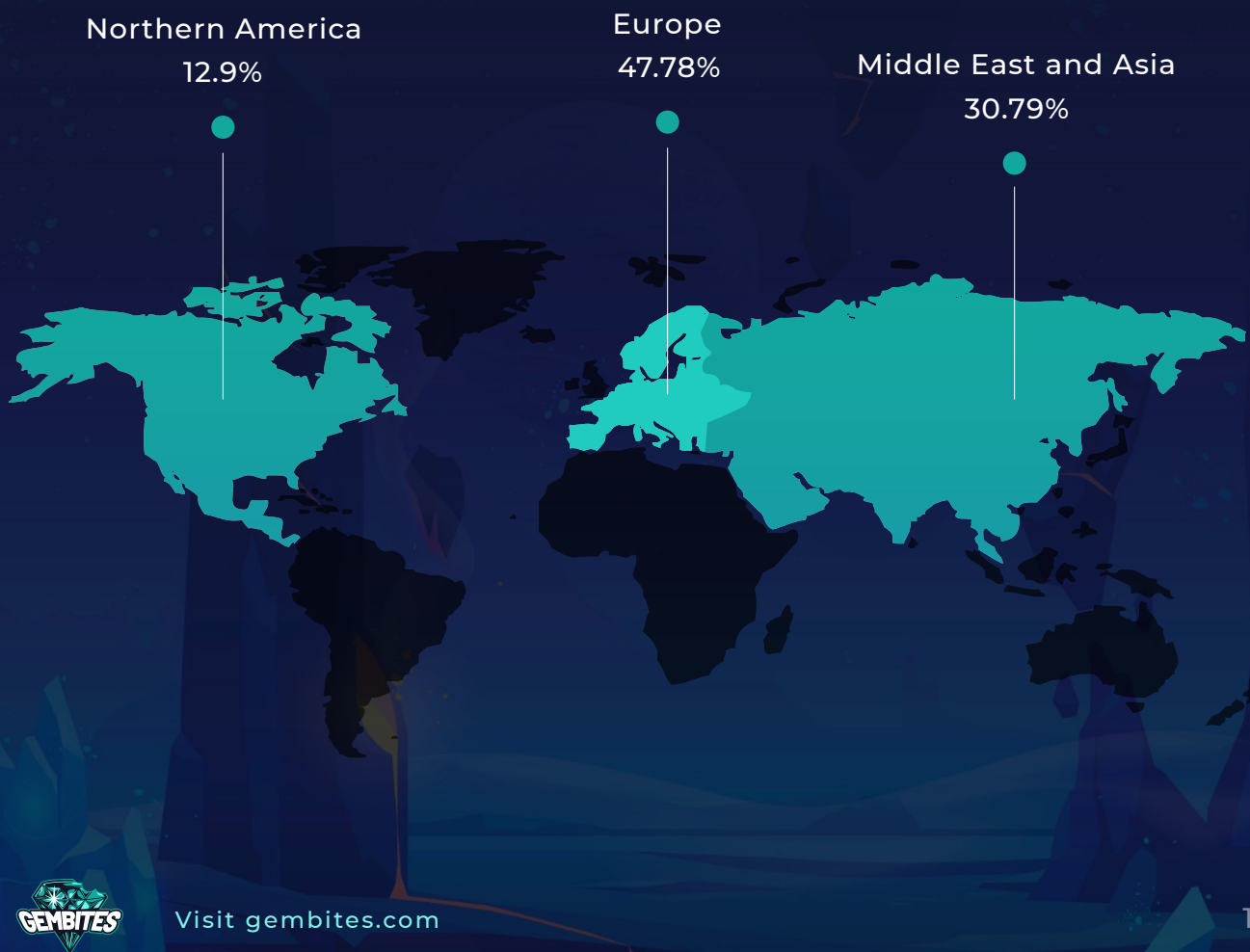
The gambling industry is one of the few gems in the crypto space. There has been a flood of amazing projects that drew in millions of dollars in investments. For the most part, these projects are built on Ethereum or other contract based blockchains. Big gaming studios have been dipping their toes into the blockchain realm in the recent past as well.

Right now, there are some great crypto options for betting/gambling. For instance, Bitcasino accepts bitcoin and enables customers to immediately deposit and withdraw funds. It is the first ever crypto casino that brought crypto to gambling. On another note, the gaming market is expected to expand to 449.3 billion in 2018. With an expected 6% increase Research predicts the market value to be over \$550 billion by 2022.



04 Market Overview

A report from Statista suggests that the online gambling industry had a market cap of around \$38 billion in 2015. As suggested by its forecasts, this is expected to increase to over \$60 billion by 2021. With 80+ nations having legalized online gambling already, these numbers are set to soar beyond expectations. Higher median incomes and safer regulations for gambling activity makes Europe the biggest casino market. It accounts for 47.78% of the gambling industry's global market share in 2020. The Middle East and Asia come in at a distant second place with 30.79%. After imposing heavy restrictions, Northern America has 12.9% of the global casino market. It is assumed, out of some online surveys that more than 40% of active gamers are trading gaming tokens and playing blockchain based games; considering these stats we can easily conclude that almost 40% of the online gaming market cap is represented by blockchain gaming and this trend is continuously on the rise. By 2025, blockchain-based gaming is expected to grow multiple times compared to its current market value.



05 Marketing Strategy

The project team aims to keep our marketing strategy simple and effective by using methods such as targeted advertising. To achieve this the team will use services such as YouTube and social media influencers they are the leaders in building hype around cryptocurrency projects and are experts in the blockchain niche. Taking advantage of their large viewer base, we can get investors and players!

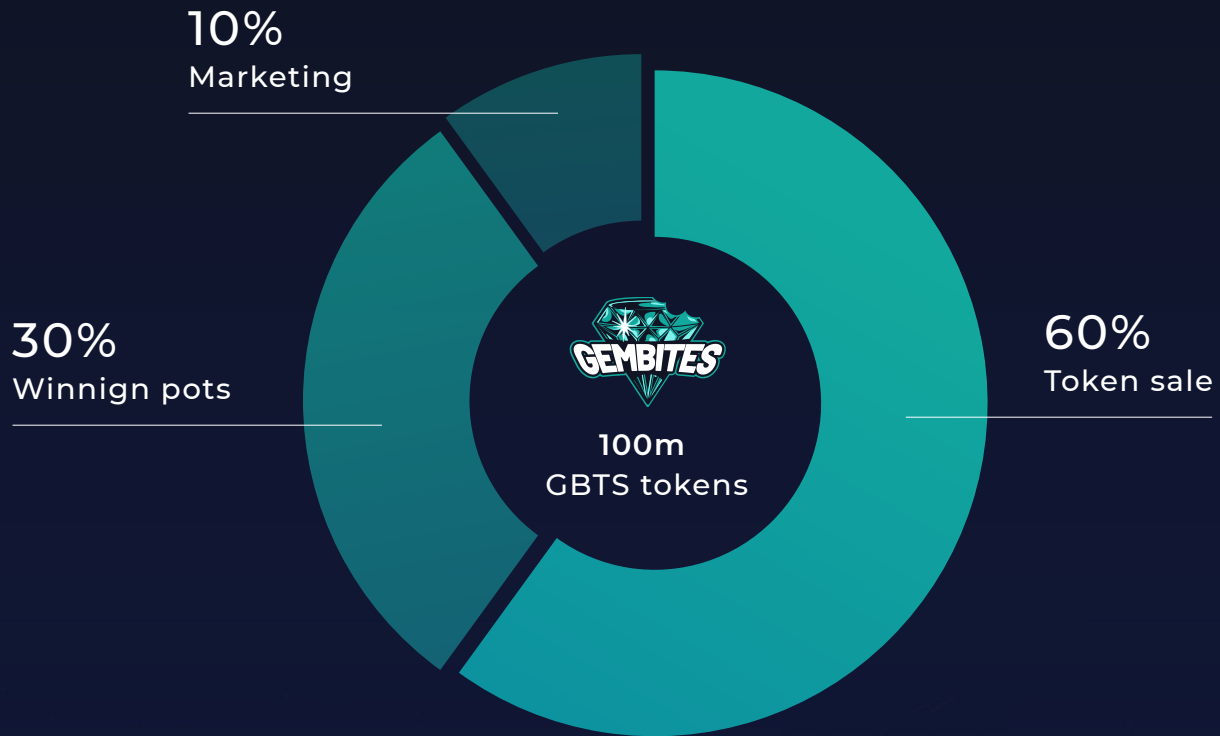
Secondly, the project team plans to use cryptocurrency and blockchain based media and news outlets. It will help GemBites attract more active players to our platform and grow our community.



We also plan to place ads and banners on high traffic crypto data websites such as Coinmarketcap (CMC) and CoinGecko. This will help investors build trust in our project



06 Token sale and allocation



We are distributing 60,000,000 or 60% of the total supply token through an ICO. 10,000,000 or 10% of the total supply is allocated for marketing campaigns. 30,000,000 or 30% of the total supply is allocated to be placed in the gambling games themselves for users to fight for!

The token sale happens manually to avoid bots taking over the project and manipulating the tokens price unnaturally. You can get GBTS tokens in batches as shown on the website. Once you have settled on the amount of ETH, BTC, XRP or LTC you want to contribute - you send them to the appropriate address.

If you send ETH, you will receive back GBTS right back to the wallet you send the ETH from.

If you are sending in other coins, contact me here:

Discord: [GemBites#0642](#)

Telegram: [@CryptoHuff](#)

E-mail: info@gembites.com



Visit gembites.com

2021

Q1 - February

- Launching of the Lucky Shot game
- Listing on the Uniswap exchange

Q1 - March

- Launching of the Rock Paper Scissors game

Q2 - April

- Launching of the Black Jack game

Q2 - May

- Launching of the Battleships game
- Listing the GBTS token on an exchange

Q2 - June

- Launching of the Dice Roll game

Q3 - July

- Launching of the GemBites game

Q3 - August

- Launching of the custom Inventory & Marketplace system for users to trade game collectibles

Q3 - September

- Launching of the Zombie Standoff game
- Listing the GBTS token on an exchange



07 Roadmap

● Q4 - December

- Launching of the mobile gambling games marketplace and optimizing all games for mobile devices

2022

● Q1 - February

- Launching the first Virtual Reality lobby where players can hang out and play our gambling games



8 Tokenized Ecosystem

Before we talk about the GemBites Token ecosystem, let me first explain how token based crypto gambling ecosystems work so you can get a grasp of this topic. Gambling on blockchain has opened up tons of possibilities that were never thought of before. You need no registration or deposits to play as you play directly from your wallet using smart contracts. However, with this method, possibilities of facilitating loyalty bonuses, loss compensation benefits and free spins are limited. This is why we created the GemBites token, to tackle this problem. Coins with large potential for development, such as GemBites, are high in demand on large cryptocurrency exchanges

Typically, a blockchain casino has its own native ERC20 token, which can be used to place bets on it's platform. The outcome of bets and payouts are controlled by smart contracts. The native tokens are used as utility tokens on the platform. In addition, they are traded on large cryptocurrency exchanges. Token holders also earn from increasing demand and value of the tokens that makes getting Gembites in GemBites highly lucrative. The best part about using a tokenized ecosystem is the ease of incentivizing those who contribute towards the network positively.

Some casinos go till the extent of providing token based debit cards which you can use at local ATMs. It is a whole new economy that exists for token holders. Transacting within the network can be faster with native tokens. The ERC20 tokens can be easily sent to another compatible wallet. Simply put, it is very easy to manage these tokens from your software as well as hardware wallets.



8 Tokenized Ecosystem

Though ownership of tokens are anonymous, all transactions in the tokenized ecosystem are publicly recorded and linked to your public ethereum address. With a simple tool like Etherscan, you can track all the transactions going through the network. Such a level of transparency brings in the much needed trust in the gambling industry. These tokens can also be used to fund development costs and running costs for the platform. Developers can extend this tokenized architecture to mobile platforms as well. With tokens like GemBites, betting becomes more transparent, with real provably fair and better trust.



Blockchain gambling

PvP (player vs player) and PvB (player vs bot) games

People who prefer PvP likes to play with other players. They get more satisfaction from competing against other players and winning. PvB fans are ones who want to engage against machines and bots. They do not want much interaction with people in the game. GemBites caters to all players preferences and needs!



8 Tokenized Ecosystem

The smart contract based gaming industry offers more options in PvP as well as PvB gaming.

Thanks largely to these smart contracts, you can be assured of fairness even while playing against bots. The GemBites ecosystem provides extensive options for PvP such as multiplayer gaming and in-game trading. Focusing back on the PvP vs. PvB debate, A lot of players will prefer PvP to ensure a competitive playing field. Still, we have seen that most players prefer PvP gaming over PvB as there is the benefit of social interaction and competitiveness between players.

After the initial website and game launch, our first target will be to make GemBites a household name, and to accomplish this, an effective marketing strategy will be put into place that will attract thousands of active users to GemBites, growing our community.



9 Vision and Mission

Gembites aims to become one of the top platforms with focus on providing quality gambling games with GBTS tokens to both users and token holders. We aim to rid the gambling industry of all its current drawbacks and set an example for what a true casino should be like.

It could be the beginning of a new era in gaming, where regular casino owners and providers will be challenged by us. This is where GemBites wants to take charge and build a unique gaming platform on the concept of blockchain gambling. We are building the future of gambling.

Blockchain and smart contracts will ensure efficiency, transparency, accuracy and automation that is the required for a casino, but is very rarely offered by anyone



Crypto gambling solutions to current problems

Transparency and Trust

In a traditional gambling system or casino, gamblers always fear possibility of rigged software and bad odds that makes them lose bets. A study from the British Gambling Association in 2017 further solidifies this point Blockchain technology wins back the trust of gamblers by making their transactions transparent and making code public. It bridges the gap between operators and gamblers effectively.

Payment Delays and Extra Fees

Withdrawing via fiat banking options can lead to delays and cancellations. Some territories ban gambling outright and your balances will be frozen. In addition, you may have to incur unforeseen transaction fees. Cryptocurrency payment options help bypass all those roadblocks. You control the keys to your wallet, meaning that no organization can freeze your cash. Only you can control where your money goes

Anonymity

Traditionally, casinos have to adhere to some regulations that make registration, account creation and verification very difficult. They mandate users to submit personal information. This leaves registered gamblers vulnerable especially when living in restricted territories or during data breaches. A blockchain system changes all of that. Your cryptocurrency wallet becomes your identity. With blockchain, we only identify you by your public wallet address. There is no possibility of your identity getting stolen in a data

Protection against Fraud

Here, we are talking real sensitive information. Starting from your passwords to credit card information, everything is at risk online. You are handing these details to a centralized database or third party website which is subject to data



10 Problems and Solutions

breaches. However, none of your information is stored on the blockchain except wallet balances and wallet address

Reward for Customers

Loyalty programmes in traditional casinos either favor the house or are an outright scam. In a blockchain network, casinos can actually make loyalty rewards profitable for gamblers. They can give back a certain percentage of losses incurred from your account. Lower transaction costs give more space for casinos to do that. Moreover, a token based gambling ecosystem makes bonuses like that even simpler to use.

Blockchain Protocols and Smart Contracts

As we all know that most investors and gamblers look for a regulated platform which has licenses from governments and regulatory authorities to operate lawfully but it is a very hectic and complicated process for an online based gambling platform to obtain because of complex procedures and even that is available only in some territories around the world. Others simply do not even consider this sector for licensing. Therefore blockchain based gaming platforms are not required to get regulated because they run on blockchain protocols and smart contracts in a custody free environment where you can enjoy the games knowing that they are legitimate and fair

The GemBites platform is being developed with all the key problems of the players in mind and as described above, through the use of blockchain technology, all the major issues of players will be resolved and they will have nothing to worry about. They can enjoy playing without any worries!



11 Crypto Gaming Background

The first ever crypto involvement in online casinos was in August 2011. Switchpoker was the first gambling company to allow bitcoin payments in its poker gambling website. A year later, SatoshiDice was launched and it accounted for more than half of the transactions on Bitcoin network.

The following year, first crowdfunded crypto casino, Just-dice was successfully launched. That is as the history of cryptocurrency casinos go

Crypto gambling had a massive following right away, thanks to blockchain technology. It all started with simple dice games and lotteries powered by smart contracts.

By saving maintenance workload, it made life easy for developers. Also, gamblers find it easier to trust Ethereum smart contracts over some possibly rigged games as code is made public for smart contracts.

It is a win-win for all parties involved. This is the reason the gaming industry is growing. More specifically, there is so much unrealized potential within blockchain gambling.



12 Need for Blockchain Gaming

In a nutshell, the Ethereum blockchain is a massive distributed database. This applies to all blockchains. There is nothing mysterious about their modus operandi. In a conventional database, a central party controls the system and has the power to change things. This leaves room for hackers to steal data

In blockchain, the power shifts to the consensus of a larger group rather than a single central party. Since gambling games are built on code and database, they fit right into the blockchain concept. Powered by blockchain, the casino games ensure fairness without compromising safety and fun.

Non-blockchain gambling games vs. Blockchain gambling games

There are 2 types of gambling games in the crypto realm - non-blockchain gambling games and blockchain gambling games. The former relies on a centralized database and the latter is powered by a decentralized blockchain. Non-blockchain games are served by the conventional type of gambling provider. Just like any exchange service, you send ETH to their wallets and they record your ETH balance in their database while blockchain based gaming is like directly dealing with the blockchain and smart contracts without any involvement from third parties

Speed vs trust tradeoff

In a traditional non-blockchain gaming website you see your funds as some numbers in your account, putting you completely at their mercy. Central databases takes care of updating your wins, losses and other betting stats. Understandably, it is faster than any blockchain database. Nevertheless, there is an inevitable tradeoff between speed of operations and trust. You have to request a third party for your own money. They may freeze your balance at any time and terminate your account



12 Need for Blockchain Gaming

You are exposed to the major risks of these operators not having enough funds and eventually running away. Additionally, the centralized database is not public. Getting ripped off by a rigged system is a real prospect. Also keep in mind that most new blockchain networks are fast enough provide a good and smooth gaming experience. Even the Ethereum network is soon coming up with its scaling solutions and Eth 2.0 where the network will be upgraded to perform speedy transactions to meet the needs of the gaming and payments sector

Blockchain gambling games

However, in the case of blockchain gambling games, there are no third party accounts. You do not send funds to a third party or deal with an internal database. The core concept is you play only with your own personal Ethereum wallet. By deploying smart contracts, the blockchain allows anyone to have control over their funds. The best part is you only have to trust the smart contract. It is a public verified and audited code rather than a third party offshore establishment.

“Blockchain democratizes 360 degrees of online gambling industry. It is set to spearhead a change and create a whole new ecosystem.”

Involvement of cryptocurrencies

Cryptocurrencies gave gamblers another layer of comfort. Funding and withdrawals are easier than ever. You can conveniently avoid the hefty fees and banking delays. Bitcoin was naturally the first accepted cryptocurrency in the casino space. A lot of bitcoin exclusive casinos that accepted no other fiat or crypto currencies sprung up. This was the case till truly decentralized casinos came about



12 Need for Blockchain Gaming

A lot more cryptocurrencies will be eventually getting accepted including Ethereum, Dogecoin, Bitcoin Cash, and more Altcoins. It went to such an extent that more than half the cryptocurrency trades are for gambling and betting websites. Around 337 transactions per second in cryptocurrencies are solely done by gamblers. Cryptocurrencies help players from restricted territories in bypassing the bans and regulations. As always, the crypto world is welcoming of anyone with a wallet. Now a new market of tokenized blockchain based gaming model is emerging which is the core concept of GemBites where users will be able to play games using the native of the GemBites platform.



12 Need for Blockchain Gaming

Please Read This Disclaimer Section Carefully

If you are not sure about joining into the following Initial Token Offering (ITO), please consult with professional advisers in the fields of legal, tax and financial. Potential GBTS token holders should seek appropriate independent professional advice prior to relying on, or entering into any commitment or transaction based on, material published in this White Paper, which material is purely published for reference and for information purposes alone. The purpose of this White Paper is to present GemBites and the GBTS token to potential token holders in connection with the proposed ICO.

This White Paper's sole purpose is to provide relevant and reasonable information to potential GBTS token holders in order for them to determine whether to undertake a thorough analysis of the company with the intent of acquiring GBTS tokens. GemBites does not provide any opinion or any advice to purchase, sell, or otherwise transact with GBTS tokens and the fact of presentation of this White Paper shall not form the basis of, or be relied upon in connection with, any contract or investment decision.

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13 Risk Statement

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Statements which include the words "expects", "plans", "believes", "projects", "anticipates", "will", "aims", "may", "would", "could", "continue" and similar statements are of a future or forward-looking nature. Such forward-looking statements or information involve known and unknown risks and uncertainties,



13 Risk Statement

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