

MAGE BROTHERHOOD LITEPAPER

Table of Contents

Abstract	1
Introduction	2
The Blockchain Gaming Industry	Error! Bookmark not defined.
The Decentralized Economy	Error! Bookmark not defined.
Mage Brotherhood	Error! Bookmark not defined.
Mage Brotherhood's Mission	Error! Bookmark not defined.
Implementation	Error! Bookmark not defined.
Coin and DEX	Error! Bookmark not defined.
Mage Brotherhood NFT and its Marketplace	Error! Bookmark not defined.
Staking	Error! Bookmark not defined.
Affiliate	6
Liquidity Bootstrapping	Error! Bookmark not defined.
Betting and Auctions	Error! Bookmark not defined.
DAO	Error! Bookmark not defined.
Gamification	9
Gamification Mechanics	8
Mage Brotherhood's Tokenomics	9
Token Utility	9
Token Dynamics	9
Token Allocation	10
Mage Brotherhood Roadmap	11
Mage Brotherhood Team	12
Research and Development	13
Polygon PoS Layer-2 Scaling	13
Zero Knowledge Proof	13
Web3 Integration	13
IPFS Development	14
Join our Community	15
Disclaimer	16

Abstract

NFT-powered P2E games are creating a paradigm shift in the gaming industry. The introduction of an especial earning model (different from traditional games) has caused an exponential growth to the P2E sector of the industry.

New (and existing) gaming enthusiasts do not only want to play exciting games with 3D, AR and VR features, they also crave for the opportunity to earn while doing what they enjoy. The majority of traditional games deny gamers this opportunity. Instead, they extort money from gamers while giving them virtually nothing in return.

With the use of blockchain technology, Mage Brotherhood seeks to create an ecosystem where gamers can immerse themselves into a fun and seamless gaming experience while earning from it.

Hosted on the dynamic Ethereum blockchain, Mage Brotherhood further aims incorporate Augmented Reality (AR), Virtual Reality (VR) and the Metaverse into its ever-growing ecosystem.

With Mage Brotherhood, you earn your right to play...and earn

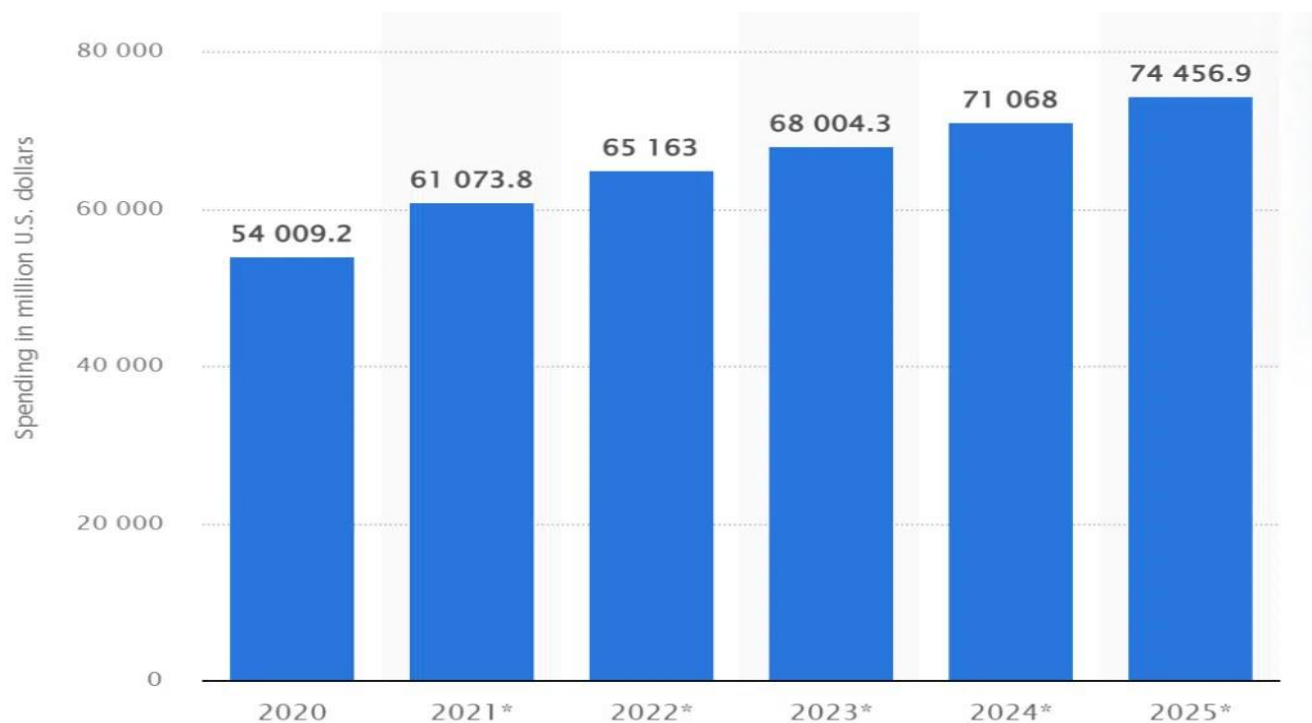
Introduction

The Blockchain Gaming Industry

Over a decade ago, Bitcoin laid the foundation for countless financial innovations. Storing money without resorting to banks, accessing funds globally without going through an institution, and not having to suffer the impact of central bank monetary policies are just some of the advantages of cryptocurrencies. Recently, Blockchain and Cryptocurrency technology came into the gaming world, giving us what we now call GameFi (DeFi, gaming and NFTs) which involves earning while you play as opposed to traditional gaming alternatives.

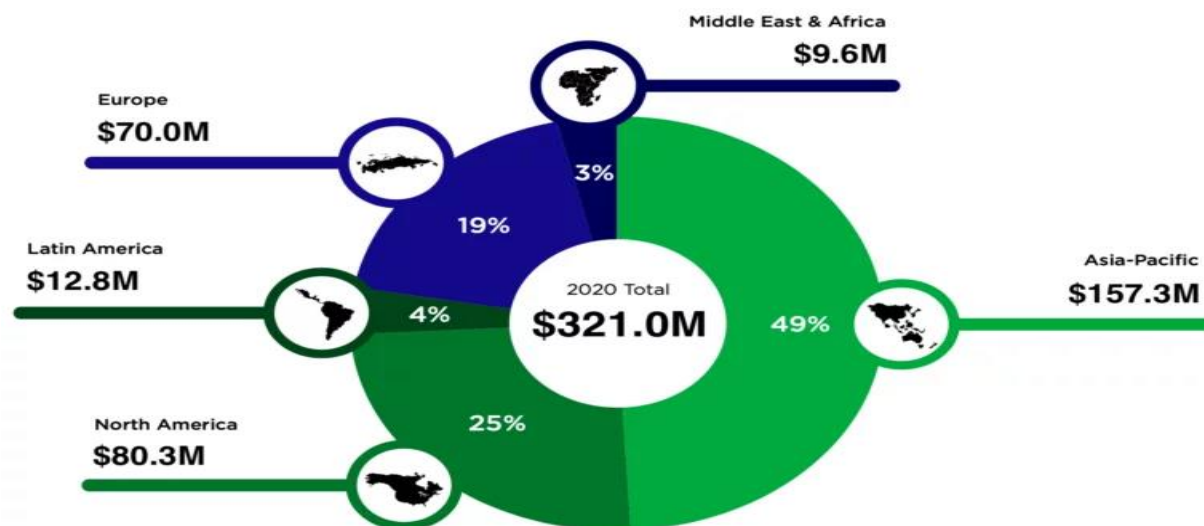
When connected to blockchain networks, in-game assets become transferable and tradable outside of it. Indeed, any digital asset can be transformed into a non-fungible token (NFT), which gives the possibility of transforming blockchain games into Play to Earn (P2E) games.

Until recently, the gaming industry has always been a symbiotic relationship. Publishers launch games on digital platforms such as Steam, Epic Games Store, Origin, GOG or Green Man Gaming and allow users to pay for games, in-game purchases etc. and sometimes, they hide the costs for these features. According to Statista, the money spent on games (and in-app purchases) would be up to \$74.4 billion by 2025.



Source: Statista

According to studies carried out by Triple-A and Blockchain Game Alliance, the blockchain gaming industry has gone from a no-value market to a \$321 million (in revenue) industry in 2020. Then, it had an 835% increase to \$3 billion in market revenue in 2021. It is also projected to be a \$39.7 billion market by 2025.



Source(s): Triple-A and BGA

The blockchain gaming sector has an exponential growth and revenue generation potential. Over the years, it has attracted over 1.5 million gamers from all over the world, thanks to NFT (Non-Fungible tokens), free-to-play and play-to-earn creation capabilities. Blockchain games makes ownership of in-game assets easier to acquire, cheaper, and legitimate by integrating technologies like NFTs and DeFi. Millions of gamers and investors from all over the world are drawn to blockchain technology's infinite possibilities in the gaming market.

Blockchain gaming platforms sometimes incorporates web3 technology into its ecosystem as it infuses AR, VR and the Metaverse which totally changes the way users engage the gaming experience and improves the way they interact with the gaming environment.

The Decentralized Economy

The emergence of blockchain technology has redefined the concept of decentralization, putting our preconceptions about current social, political, and economic institutions to the test. The rapid advancement of this technology contributes to world unification. The centralized economic model is primarily designed to create profit for its proprietors. The decentralized economic model is primarily designed to create profit for its proprietors.

By tokenizing assets, an economy may be established around a community that proffers and delivers services. The value of the service given in that economy is represented by the token. A decentralized economy allows communities to define what they value rather than having it determined, assessed, and administered for them by a central body. As a result, the seat of power is shifted from the creators of the economy to the people who keep these economies working.

Mage Brotherhood

Mage Brotherhood is a blockchain-backed Play to Earn platform that allows users earn incentives while doing what they enjoy i.e., Gaming. A community driven platform, Mage Brotherhood gives power to the users of the platform (unlike traditional P2E games).

Mage Brotherhood's mission is to revolutionize the GameFi sector of the blockchain gaming industry by combining the features and attributes of web3 technologies all in one place and integrating them into a gamified environment, creating a unique and immersive experience for users.

Mage Brotherhood combines gaming and finance to offer rewards to users for interacting with the platform, playing the game and progressing. Users earn incentives in different ways which includes:

- ❖ Earning Mage Brotherhood tokens by completing daily objectives, playing the game and interaction with players on the platform.
- ❖ Obtaining or trading Mage Brotherhood NFTs with each NFT representing a game object, character, or collection. These NFTs serve a functional purpose in on the Mage Brotherhood ecosystem.
- ❖ Mage Brotherhood also allows users to stake its native tokens (**BHC**) or NFTs to earn more incentives on the platform.

Mage Brotherhood also greatly mitigates the issues wrong with pioneer P2E blockchain games as it:

- ❖ Ensures that the user experience (UX) on the platform is suitable for blockchain gaming and non-blockchain gaming enthusiasts.
- ❖ Integrates Layer 2 scaling to ensure the gaming experience is seamless and to improve its scalability.
- ❖ Creates actual value by building a working P2E framework and a constructing solid GameFi economy.

Implementation

Coin & DEX

The Mage Brotherhood DEX allows players transact directly with one another. It's a marketplace whereby transactions are not facilitated by intermediaries. The BHC token together with the exchange provides monetary policy follows the rules of decentralization which helps in the promotion of long-term investment for Mage Brotherhood.

To have a balance between price and token supply, the DEX has a 5% tax fee. This fee will be there until the implementation of deflationary mechanism (burning) on the platform.

The Mage Brotherhood NFT and its Marketplace

The Mage Brotherhood NFTs comprises of the objects and characters in the Mage Brotherhood ecosystem and they are needed for game progression and upgrades. These NFTs are grouped into various collections depending on their use cases. Also, they can be purchased on the Mage Brotherhood NFT marketplace.

The Mage Brotherhood NFT marketplace is designed to optimize the experience of trading NFTs. During the course of interacting with the Mage Brotherhood ecosystem, players sometimes receive NFTs as rewards, these NFTs can be put up for sale on the marketplace. Also, NFT creators can create arts and put them up for sale on the platform.

Every Mage Brotherhood NFT belongs to its owner and can be traded or sold on existing marketplaces at the owners' discretion.

Furthermore, Mage Brotherhood will partner will brands to launch their limited edition NFT collections on its marketplace. BHC token holders will first access to mint these NFTs.

Staking

The Mage Brotherhood NFT is an ERC 1155 token standard which gives "token" holders the right to use it on the Mage Brotherhood ecosystem (due to its non-fungibility feature) and the freedom to stake the "token".

NFT holders are allowed to stake NFTs and earn BHC tokens as rewards while BHC token holders can stake BHC to earn more BHC. The more NFTs you stake, the more BHC tokens you earn and vice-versa. This allows for fair distribution thereby incentivizing long-term investors.

The user interface (UI/UX) of the Mage Brotherhood staking platform is simple, clear and easy to navigate. The platform shows statistics as regards staking which includes; total amount of NFT or BHC staked, the APY/APR, daily rewards and the circulating supply of BHC.

There is no minimum amount of NFT or BHC that can be staked or a minimum lock-up period.

Affiliate

In a bid to reward active users of our community for influencing the Mage Brotherhood platform. We are introducing the Mage Brotherhood Affiliate.

Every time someone mints an NFT with a user's code, that user will be rewarded with BHC. The amount of reward could vary depending on the price of BHC and ETH gas fee.

Liquidity bootstrapping

Mage Brotherhood NFTs would help accelerate the sale and price of the Mage Brotherhood Token (BHC) to players and investors by liquidity bootstrapping. Owning our NFT will allow the seamless purchasing of the initial distribution of the BHC token. Also, there will be a restriction as regards the amount of BHC tokens that can be purchased by a particular wallet. This makes it easier for more investors to discover Mage Brotherhood and "ape" into our project. This procedure continues until all tokens have been sold and the token has been effectively distributed.

This smart contract technology will help safeguard our BHC token from rug pulls, flash sales, arbitrage and intense price volatility, thereby stabilizing the token.

Betting and Auctions

In the Mage Brotherhood environment, players will be able to compete against one another for bragging rights using BHC or NFTs.

Periodic NFT auctions will be hosted on the Mage Brotherhood marketplace to further enhance ownership experience.

DAO

DAOs signal power over centralized entities. We believe that any crypto project seeking to put its community at its epicentre will have its own DAO. This is why Mage Brotherhood chooses to hand over its full power to its community.

Later on, Mage Brotherhood token and NFT holders will be able to control and govern the day-to-day happenings on the Mage Brotherhood ecosystem like submitting, requesting and voting for/against certain updates as well as changing the governance structure itself.

With the Mage Brotherhood DAO fully in operation, the community will have the chance to shape the future of Mage Brotherhood.

Gamification

Gaming Environment

Mage Brotherhood takes place in a virtual world where players build their own communities with resources earned from performing specific tasks. A player is called a MAGE while a community is called a HOOD. Mages form alliances with other Mages (called BROTHERHOOD) to develop troops. By forming Brotherhoods, Mages can start Brotherhood battles, donate and receive new troops, and communicate with one another.

By conquering other Hoods, Mages earn rewards (NFTs or Mage Brotherhood's native token, BHC) to build and expand their own Hoods.

Mages

Mages are the players of the game and acquire (or find ways to acquire) resources to upgrade their Hoods. Mages walk their way up the ladder to become leaders (and co-leaders) of Brotherhoods.

Hoods

Hoods are created by Mages and they are upgraded by NFTs and BHCs to unlock more troops. Troops include knights, assassins, spearmen, archers etc. Each Mage has its own set of unique strengths and weaknesses. There are a number of upgrades available to Hoods and they include mortars, bombs, spells, towers, walls etc. These upgrades help Hoods become more impregnable.

Brotherhoods

NFTs and BHCs are used to upgrade Brotherhoods as well as the defences and traps of Brotherhoods. Brotherhood battles are determined by the leaders and co-leaders of Brotherhoods. Battles are graded on a five-star scale and the time length of the battle is restricted. Each Mage is limited to two attacks per battle and the Brotherhood with the highest star rating wins the battle.

Gamification Mechanics

In-game Spending Burns

During games, transactions are carried out. In the course of carrying out transactions, BHC tokens are burnt. Burning helps facilitate the deflation of the BHC token thereby increasing its value.

Quests

Players can interact with the Mage Brotherhood gaming ecosystem to complete quests and earn a plethora of rewards. Mage Brotherhood's web3 development will make quests more interesting as it would involve Arand VR features.

Loans

Players can earn passive income by lending out valuable NFTs to other players. This could involve lending out Battle NFTS, Brotherhood Upgrades NFTs etc. in exchange for a share of rewards.

This effectively creates yield-generating NFTs, enhancing their value proposition for their holders and making lending NFTs more viable.

Renting

With the web3 fully integrated into the gamification environment, players will be able to rent out their virtual properties and they will be paid a renting fee by the rentee. This allows players earn extra income apart from the regular earning routine.

Mage Brotherhood Tokenomics

Brotherhood coin (BHC) is the native token of the Mage Brotherhood ecosystem. BHC can be gotten in different ways:

- ❖ Staking
- ❖ Bought from exchanges (DEX and CEX)
- ❖ Earned as rewards during ecosystem interaction

BHC will be listed on decentralized exchanges (DEXs) to ensure liquidity for token holders. In the future, BHC would further be listed on centralized exchanges (CEXs).

Token utility

- ❖ Gamification
- ❖ Staking
- ❖ Governance
- ❖ Rewards

Token Dynamics

BHC tokens are ERC-20 standard issued on the Ethereum blockchain.

Token	BHC
Initial supply	10000000
Total supply	
Burn	TRUE
Mint	TRUE
Tax rate	5%
Burn fee	
Holder's reward	

Fees: The DEX will have a 5% selling fee which will fizzle out when the DAO is in full swing (via voting) or when the burning mechanism is enabled.

Voting: When the DAO begins its operation, any address holding over 1% of total supply of BHC will be allowed to suggest proposals for Mage Brotherhood. These proposals are taken into consideration and decided via community voting.

Token Burning: Through a process known as burning, BHC tokens would be sent to a unique address known as the "burn address" thereby lowering the total supply of BHC. Burning is based on a 3-day MA (MOVING AVERAGE) of the BHC token. During ecosystem interaction, BHC will be burned. This process will lead to an increase in the value of BHC, generating further value for token holders. BHC token burn begins when the "buy-back and burn" mechanism is initiated. When the DAO is fully implemented, tokens can be bought back manually from the market after a DAO voting session goes in favour of that decision.

Rewards: The community gets rewards for providing liquidity on the DEX they will get rewards for staking BHC tokens. Rewards could be in form NFTs or BHCs.

Token allocation

The BHC tokens are allocated towards

- ❖ DEX liquidity pools
 - Matched with ETH from investors and matched with DEX trading pairs
- ❖ Game Development and Ecosystem expansion
 - General GameFi integration
 - Swap protocol interfacing
 - Cross-chain bridge integration
 - LP/Staking rewards
 - Legal compliance
 - Tax
- ❖ Marketing
 - Employees
 - Advisors
 - Brand ambassadors

Mage Brotherhood's Roadmap

Q2 2022

- ❖ Website Launch
- ❖ Marketing
- ❖ Litepaper Release
- ❖ Initial Gamification Development
- ❖ NFT Collection Launch
- ❖ Audit
- ❖ DEX Listing
- ❖ Coinmarketcap/Coingecko Listing
- ❖ Pre (Beta) Launch

Q3 2022

- ❖ Website Enhancement
- ❖ Staking
- ❖ DAO Development
- ❖ NFT Marketplace
- ❖ CEX Listing
- ❖ Gamification Preview (Test net)

Q4 2022

- ❖ Gamification Alpha Release (Main net)
- ❖ More CEX Listing
- ❖ DAO Implementation
- ❖ Initial Web3 Development

Q1 2023

- ❖ Web3 Integration and Development (Augmented Reality, Virtual Reality, Metaverse)

*The Mage Brotherhood Roadmap is meant to serve as a guideline for development phase milestones, and it is neither meant to be comprehensive nor conclusive.

Mage Brotherhood's Team

Our team is made up of capacitated individuals working together to attain a common goal i.e create and develop Mage Brotherhood. We are committed towards making the development of the project as transparent as possible so every team member is accessible to the community.

You'll be able to meet them and interact with them in our weekly live AMAs, join our Telegram and Discord groups to keep up with them, and watch their interviews on numerous channels.

The end-goal of our team is to hand over a successful and efficient project to the Mage Brotherhood community for continuous development.

Founder - Richard Hutta

A software engineer with over 10 years of experience, Richard Hutta has built profitable business spanning three continents. His passion for technology and the developing a community-oriented project motivates him to work smarter to attain his objectives.

Co-Founder – Petr Brazdil

Petr is a technologist to the core. With experiences in several technological sectors spanning from web development to software engineering, Petr has huge contributions to different organizations in those sectors. His sheer will to make everything around him better led to his discovery of the blockchain. Petr is a graduate of the prestigious Masaryk University.

Web Developer – Michal Bartczak

Gamification Developer – Daragh Wickham

Gamification Designers – D4 group (Ukraine-based)

Luis – Graphic Designer

Research and Development

Polygon PoS Layer-2 Scaling

In a bid to increase the speed and efficiency of the Mage Brotherhood ecosystem, we would be integrating the Polygon Proof of Stake (PoS) L2 scaling. Gaming lags, slow transaction speed, high transaction fees and network latency have been a problem for traditional blockchain games due to lack of scalability. Thanks to the introduction of Polygon L2 scaling, the scalability problem has been mitigated.

With Polygon's scaling technology fully integrated into the Mage Brotherhood platform, high performance, seamless user experience (UX), low transaction fees and high transaction fees would be prioritized by the blockchain network.

The Mage Brotherhood team will continue to carry out extensive research into other layer-2 solutions to improve the experience the ecosystem experience of the platform.

Zero Knowledge Proof

Mage Brotherhood further plans to infuse zk-proof technologies into its ecosystem to enhance functionality and promote true decentralization. Zero knowledge proofs (zk-proofs) will provide security to the Mage Brotherhood community by shielding their identity and personal information while certain transactions are carried out between community members in the Mage Brotherhood ecosystem. Also, zk-proofs will also provide transparency as it provides security as transactions and information will be verified without having to reveal other details regarding that transaction or information.

Its provision of security and transparency paves way for faster transaction speed since there is less information to process.

Web3 Integration

Currently in the works, Mage Brotherhood is introducing the *Reality-Virtuality Continuum* to the community. This allows the community experience a novel, unique and immersive virtual environment. The community will be able to build/modify their avatars, purchase and sell virtual properties, play games, travel, meet, work, chat, and much more.

Mage Brotherhood native tokens (NFTs included) would work hand-in-hand with the web3 integrations to further promote its GameFi infrastructure. A 3D framework for the virtual NFT marketplace is being developed to allow the community explore and trade digital assets.

Its Augmented reality (AR) technology is also being developed; Staying through to its P2E model, the community will be able to win certain rewards by completing certain tasks as they interact with the AR feature.

The Github "[GUN](#)" project, is being rewritten for to make it suitable for Mage Brotherhood's metaverse ecosystem. GUN is open-source cyber security protocol for syncing decentralized graph data. It provides an ecosystem of tools that let you build community run and encrypted applications.

IPFS Development

The NFT 3D gamification models for Mage Brotherhood's web3 ecosystem will be of a new JSON standard. Also, these models will be stored on IPFS which will help the community to retrieve, modify and share them. When the Mage Brotherhood DAO begins its full operation, community members can create their own models and submit them for voting. Furthermore, DAO voting will be implemented on voting tools based on the IPFS decentralized storage system (snapshot.org).

Join our community

Disclaimer

Cryptocurrency trading entails a high level of risk and is not suited for all investors. You should carefully evaluate your investment objectives, degree of experience, and risk appetite before deciding to trade cryptocurrencies. You should invest money that you can afford to lose because there is a chance that you will lose some or all of your initial investment. You should be aware of all the dangers connected with cryptocurrency trading and seek counsel from a financial expert who is not affiliated with any cryptocurrency exchange. **The MAGE BROTHERHOOD team will not be responsible for any loss of investment.**

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