DerbyRuns

Welcome to the DerbyRuns Whitepaper

Compliance

The following whitepaper is intended to be a technical overview. It is not intended to be comprehensive nor to be the final design. Noncritical aspects are not covered. This paper consists of information given for discussion purposes only and does not represent investment advice of any kind. Further, it does not constitute an offer to sell shares or securities, nor does it constitute a solicitation to buy such shares or securities. None of the information found within is intended to influence any investment decision, nor should it be the basis of an investment decision. Investing advice for investment in any securities or tax or legal advice should only be given by an investment advisor, and DerbyRuns is not an investment advisor. DerbyRuns (DRUN) encourages readers to seek appropriate and independent professional advice to inform themselves of the legal requirements and tax consequences of any investments they make, both within DerbyRuns and within the blockchain industry as a whole. Investments should only be done with the help of an independent financial advisor within the context of the countries of their citizenship or residence and their place of business with respect to the acquisition, holding, or trade-in of DerbyRuns Non-fungible tokens (NFTs) or the DRUN token. Please note that this Whitepaper does not constitute an offer to sell or the solicitation of an offer to buy for any person for whom it may be unlawful to participate in a token sale. Those for whom it is unlawful to participate should not participate. Consult with your own lawyer or accountant to determine whether it is lawful for you to participate in this token sale. This Whitepaper should in no way be construed as being intended to create a contract for investment. This Whitepaper (version 1.0) may be revised, with the newest edition always appearing on our website. For each revision cycle, we will provide notes on what has changed and the justification for the change. Updated versions of the Whitepaper (as indicated by consecutive edition numbers) may contain information that may override, clarify, or contradict previous editions, in which case the latest version should be considered the most accurate and up-to-date. Because of this, versions that are found outside of the DerbyRuns website may contain out-of-date or inaccurate information. The most up-to-date version of the white paper can be located online at the website.

Disclaimer

The attached white paper is meant to describe DerbyRuns' current anticipated plans for developing its business, token, and NFTs. Nothing in this document should be treated or read as a guarantee or promise of how DerbyRuns's business will develop or of the utility or value of the token or NFTs; the document outlines our current plans, which could change at our discretion, and the success of which will depend on many factors outside our control, including market-based factors and factors within the cryptocurrency industries, among others. Any statements about future events are based solely on our analysis of the issues described in this document, and our analysis may prove to be incorrect. Purchasing NFTs and tokens is subject to many potential risks, some of which are described in this paper and some of which are or will be provided in the FAQ on the website. These documents, along with additional information about our business and DerbyRuns NFTs and tokens, are available on our website. Purchasers of the NFTs or tokens could lose all or some of the value of the funds used to purchase

Abstract

Derby Runs Vision

DerbyRuns' long-term vision is to create an innovative crypto game combining blockchain technology, Play-To-Earn, and Race-To-Earn mechanics to develop an unparalleled thoroughbred ownership and racing experience. The game will allow players to breed, train, and race virtual horses in a decentralized, blockchain-based Web 3.0 environment. Leveraging the security and transparency of blockchain technology, DerbyRuns allows players to earn cryptocurrency rewards for their success in a fun and engaging game using the enrichment of Web 3.0 technology.

With non-fungible tokens (NFTs) representing each virtual horse, players can earn & win cryptocurrency (DRUN) in order to spend it in-game to purchase horses, breed them to create unique offspring and train them to compete in high-stakes races. Offspring can be kept and trained to become new winning horses, or foals can be sold on the open market. Your horses will have a lifespan and require proper feeding, caretaking, and training. Be mindful not to neglect your digital assets, as the horses you own will actually live on the platform.

DerbyRuns enhanced gameplay, built using AI, will feature intuitive gameplay mechanics and a user-friendly interface. DerbyRuns uses Real-world horse racing data and partners with leading organizations for an immersive experience.

Participating in DerbyRuns allows users to earn cryptocurrency rewards for a range of real-world purposes while building a community of fellow horse racing enthusiasts from around the world. Whether a seasoned enthusiast or casual gamer, DerbyRuns offers a unique and rewarding experience for players of all levels.

Preface

The global horse racing market is set to reach an impressive $793.9 billion by 2030, marking a compound annual growth rate (CAGR) of 8.89% from its 2022 valuation of $402.3 billion. This growth is driven by the sport's widespread appeal, with outcomes influenced by a variety of factors, including horse performance, jockey skills, and track conditions. Prestigious events such as the Kentucky Derby and Royal Ascot attract large audiences worldwide.

In 2019, The Kentucky Derby was ranked 8th in most valuable sports events worldwide, with the Super Bowl and the Summer Olympics taking the top spots. With a $155M brand value, Horse Racing is a sport that attracts eyeballs and dollars. In 2022, the Horse Racing Track industry in the United States alone was valued at $3.68B. Which is down from the pre-covid revenues of $5B. However, the market began recovering in 2022 with a $160M jump in revenues.
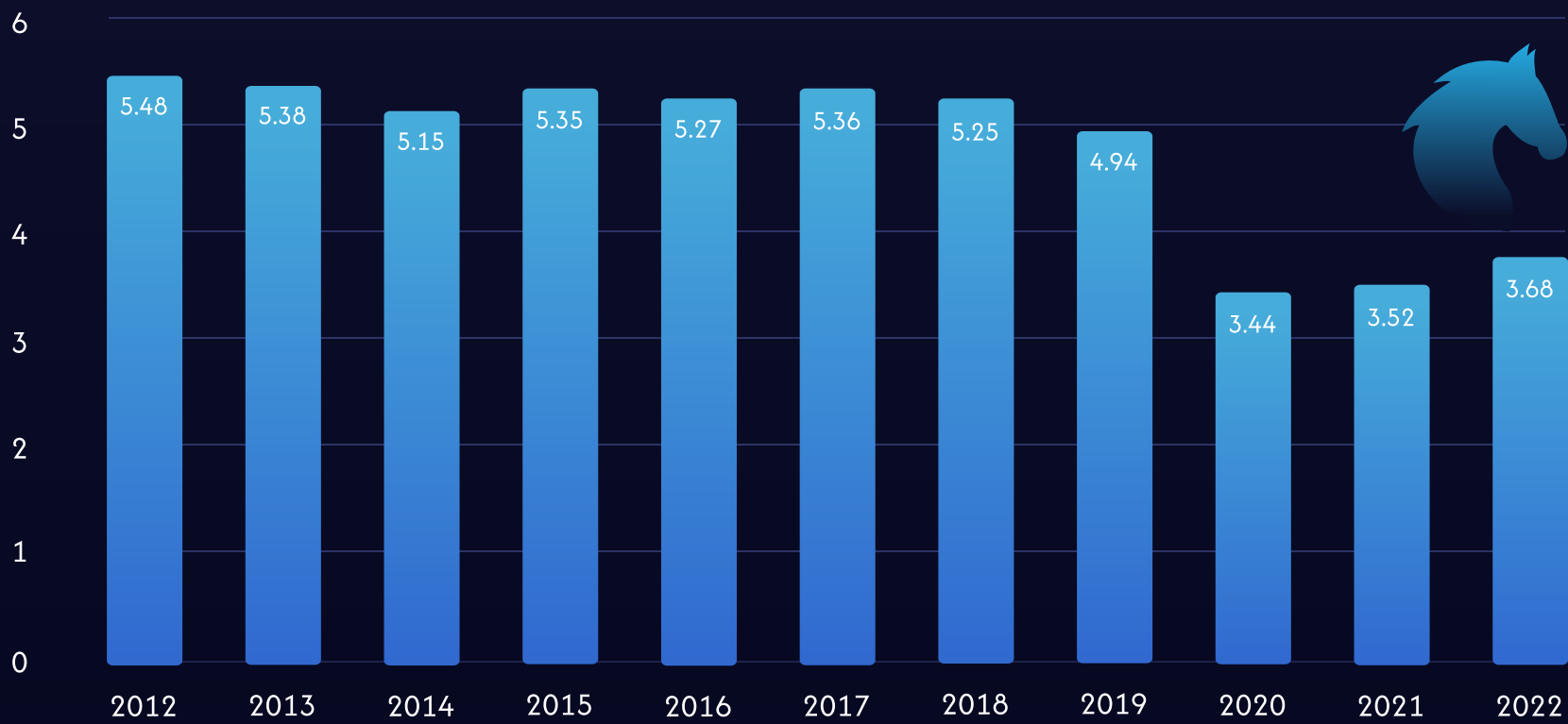
The market size of the horse racing track industry in the United States from 2012 to 2021 (in billion USD)

https://www.globenewswire.com/en/news-release/2023/04/04/2640319/0/en/Global-Horse-Racing-Market-Size-to-Surpass-793-9-Bn-Growth-by-2030-Exhibit-a-CAGR-of-8-89-Equestrian-Industry-Analysis-Comprehensive-Study.html Accessed Feb 2024 / US Horse Racing Tracks Market Size
https://www.statista.com/statistics/1017245/us-horse-racing-tracks-market-size/ Accessed Feb 2024

The Global Online Gaming Market

The global digital media market has experienced consistent growth over the past few years, with online gaming accounting for the largest share of market revenues. In 2020, the global online gaming market generated $21.1B in revenue, a record-breaking 21.9% growth trajectory. COVID-19 undoubtedly contributed to the boost as the world turned to digital options for entertainment and social interaction. There are an estimated one billion online gamers worldwide, with China, South Korea, and Japan having the biggest online gaming reach. In 2025, the online gaming population is projected to surpass 1.3 billion users.

Gaming And Blockchain

The Blockchain Gaming Market exemplifies the advancement of technology, merging the engaging world of gaming with the decentralized principles of blockchain. This fusion enhances the gaming experience by utilizing the transparency, security, and tokenization features of blockchain, allowing developers and players to enjoy authentic ownership, trade in-game assets, and achieve interoperability across different games. Recently, this market has seen significant growth, similar to the rapid expansions in fintech and e-commerce. Starting with a market size of USD 154.46 billion in 2023, it is projected to grow to USD 614.91 billion by 2030, with a strong compound annual growth rate (CAGR) of approximately 21.8% during this period.

- Blockchain gaming facilitates player-driven economies, enabling gamers to securely monetize their skills, assets, and achievements.
- The advent of Non-Fungible Tokens (NFTs) empowers gamers to truly own in-game assets, fostering a thriving digital asset marketplace.
- Blockchain's interoperable nature facilitates seamless asset transfers and gameplay experiences across diverse gaming platforms, enhancing user engagement and retention.

The Blockchain Gaming Market emerges as a beacon of innovation, redefining gaming paradigms, ownership structures, and economic models. As industry pioneers, enthusiasts, and stakeholders converge, the future promises unparalleled gaming experiences, decentralized economies, and limitless possibilities.

The Meteoric Rise of the Blockchain Gaming Market https://www.linkedin.com/pulse/meteoric-rise-blockchain-gaming-market-trends-obgff Accessed March 2024

Hot topics & developments in Blockchain Gaming

Trade the Assets You Own Through Blockchain/NFT Tech in an Open Marketplace: Players can fully own, buy, sell, or trade digital assets through NFT technology on platforms such as OpenSea and Rarible. This approach enhances the economic realism within games and allows for real-world value transactions from gaming achievements.

Blockchain Space and Their Utility in Gaming : Blockchain advancements are crucial for gaming, improving transaction speeds, security, and scalability. These enhancements enable real-time interactions and complex economic systems within games, facilitating a more robust gaming experience.

Token Use in Games : Tokens serve multiple roles within blockchain games, including as in-game currency, access to features, or governance. They can be earned through gameplay or purchased, integrating real-world economic principles into the gaming experience.

Blockchain Space and Their Utility in Gaming : Blockchain advancements are crucial for gaming, improving transaction speeds, security, and scalability. These enhancements enable real-time interactions and complex economic systems within games, facilitating a more robust gaming experience.

Economic Growth and Investment : The blockchain gaming sector has seen significant investment, with $301 million across 68 deals in early 2024, supporting the development of new technologies and platforms. This investment, alongside strategic partnerships, is expanding the sector's reach and impact.

Expansion of Game Types and Features : The blockchain gaming sector is diversifying, with new types of games that allow players to monetize assets and engage in community-driven governance. This diversification is enhancing the strategic and economic aspects of gaming.

Blockchain Gaming: Explosive Growth, Challenges, and the Path Forward in 2024 https://playtoearngames.com/news/blockchain-gaming-explosive-growth-challenges-and-the-path-forward-in-2024 Accessed April 2024

WEB3 GAME DEVELOPMENT COMPLETE GUIDE https://tokenminds.co/blog/web3-development/web3-game-development Accessed April 2024

Web3 Gaming Update: Investments, Setbacks, and 2024 Projections https://playtoearngames.com/news/web3-gaming-update-investments-setbacks-and-2024-projections Accessed April 2024

Blockchain Gaming: Explosive Growth, Challenges, and the Path Forward in 2024 https://playtoearngames.com/news/blockchain-gaming-explosive-growth-challenges-and-the-path-forward-in-2024 Accessed April 2024

$2.6 Billion and Rising: How 2024's Investment Spike in Blockchain Gaming Is Powered by Ethereum and Bitcoin https://playtoearngames.com/news/2-6-billion-and-rising-how-2024s-investment-spike-in-blockchain-gaming-is-powered-by-ethereum-and-bitcoin Accessed April 2024

WEB3 GAME DEVELOPMENT COMPLETE GUIDE https://tokenminds.co/blog/web3-development/web3-game-development Accessed April 2024

$2.6 Billion and Rising: How 2024's Investment Spike in Blockchain Gaming Is Powered by Ethereum and Bitcoin https://playtoearngames.com/news/2-6-billion-and-rising-how-2024s-investment-spike-in-blockchain-gaming-is-powered-by-ethereum-and-bitcoin Accessed April 2024

Horse racing is expensive IRL.

While many enjoy attending and betting on horse races, only a select few get to experience the industry's behind-the-scenes action. The real players in the Derby own, house, train, trade, feed, breed, and race their thoroughbreds for a shot at the real prize. This is an expensive wager, but with significant risk comes the possibility of great reward.

The US Jockey Club is projecting a North American registered Thoroughbred foal crop of 18,000 in 2024. These horses often go to auction at one year of age and are ready to race by age two. The cost of racehorses varies greatly depending on their pedigree and conformation, with an average sales price of $76k. The average price for a two-year-old thoroughbred in training is $94k, and the average cost for a yearling is $84k. Of course, there can be bargains, and if a buyer knows what to look for or how to time the market, they can find a finisher for much less.

"The Jockey Club Projects 2024 Foal Crop Of 18000" https://paulickreport.com/news/the-jockey-club-projects-2024-foal-crop-of-18000#:~:text=The%20Jockey%20Club%20is%20projecting,for%20the%202023%20breeding%20season.. Accessed April 2024.

Mission

Mission

To revolutionize the world of horse racing by leveraging blockchain technology, DerbyRuns is committed to providing an unparalleled digital racing experience. Our platform invites users to own, train, and race their thoroughbreds, bringing the thrill and strategy of horse racing to a global audience. We strive to create a vibrant community where the legacy of horse racing meets the future of digital ownership and gaming.

Vision

Our vision is to become the leading digital thoroughbred racing platform, where the timeless allure of horse racing is accessible to everyone, everywhere. We envision a future where DerbyRuns is synonymous with innovation, community, and the democratization of horse racing. By fostering a transparent and fair gaming environment, we aim to inspire a new generation of enthusiasts and redefine what engaging with the sport of kings means.

Goals

Fun and Entertainment: To prioritize the joy and excitement of horse racing, ensuring that every aspect of the DerbyRuns experience—from training thoroughbreds to racing against competitors worldwide—is designed for maximum enjoyment and engagement, making DerbyRuns not just a platform but a destination for fun, thrill, and endless entertainment.

Technological Excellence: To continuously advance our platform's technology, ensuring a seamless, engaging, and secure experience for all users.

Community Building: To cultivate a strong, supportive community of horse racing enthusiasts, NFT collectors, and gamers, facilitating shared experiences, knowledge exchange, and camaraderie. Furthermore, we aim to let our users share, transfer, and sell the horses and other digital assets they own through P2P transactions.

Accessibility: To lower the barrier to entry for horse racing and ownership, making it easy for anyone to participate and experience the thrill of the race, regardless of their physical location or economic background.

Education and Awareness: To educate the public about the rich history of horse racing, the potential of blockchain technology, and the ethical treatment of digital and real-life thoroughbreds, thereby promoting informed and responsible participation.

Introducing DerbyRuns

DerbyRuns leverages blockchain technology to provide a global Race-to-Earn platform for gamers and horse racing enthusiasts. By incorporating all the aspects needed to develop a champion, gamers can experience the thoroughbred ownership process from start to finish while enjoying a taste of the reward potential experienced by racehorse owners.

The DerbyRuns platform will be backed by a Race-to-Earn gaming mechanism that incentivizes players to level up and continue to grow and nurture their stock. In addition to horse ownership, players can buy stables, tack, jockeys, uniforms, and everything needed to raise their foals to become full-fledged racehorses.

As the game develops DerbyRuns is exploring the introduction of breeding mechanics. Horse owners will be able to experiment with breeding options to introduce different statistics into their stock to develop the ultimate racehorse.

Furthermore, later versions of the game could include mini-games in which our players can earn XP and booster packs to train their horses and get them on the race track more often and in better condition.

Gameplay

Account Creation	Derby Races	Purchasing Horses	Horse Attributes
Buying Jockes and Accessories	Injury and Recovery	Game Formula and Logic	Roles and Achievements
Breeding	Assets Upgrades	Land Purchases	Buying Stables
Web 3.0 Factors	Arenas and Tracks	Quests	Pink Slip Racing

Account Creation

Upon creating an account, players will receive a welcome package that allows them to begin participating in gameplay immediately.

To enhance their experience, they will be able to purchase specific rarities of horses, stables and many more in-game items from the marketplace.

Derby Races

The primary game-play mode will be the derby-style races. Each race will have an entry fee. Proceeds will be paid to the participants who Win, Place or Show, and a portion will go back into the ecosystem. Specific requirements will need to be met to enter a horse for racing. For example, the horse needs to be of a specific Tier and level to enter races with higher stakes. Additionally, hunger, training, recovery levels will all be taken into account to ensure a realistic and engaging gaming experience. Certain betting features will be available on Derby races as the game matures. Display options will include events, next-to-run, live display, results, and horse standings.

Purchasing Horses

Gamers will be able to collect and trade racehorses similarly to real-world horse ownership, in which they will interact to create deals with other owners. There will be an initial mint of Thoroughbred NFTs available at multiple stages. These can be purchased directly on the website or second-hand on third-party platforms. Each horse will have a variety of statistics. Each encompasses an ability that provides more value to the horse.

Living NFTs

It is key that players treat their digital assets with care & attention, as the horses will have a virtual lifespan. Neglecting to take care of your horses or demanding too much of them, will affect their performance. We encourage our players to be responsible horse owners.

Horse Attributes

The horse's conformation is described through a set of attributes that significantly influence various aspects of the game. Notably, certain attributes directly affect your horse's speed, which remains the primary focus in the MVP. However, as the game progresses, additional attributes will be incorporated to enhance realism, deepen the gameplay, and empower players to devise distinct strategies to boost their horse's on-track performance, training, and breeding.

Speed
The maximum speed a thoroughbred can reach in top condition highlights their incredible athleticism and potential for high speeds.

Acceleration
The time a thoroughbred takes to reach top speed is a key indicator of its acceleration and explosive power.

Endurance
A horse's ability to maintain high speeds over long distances is critical to assessing its endurance and fitness for racing or other athletic events.

Hunger
Thoroughbreds require a solid appetite for support their intense training. A horse with a poor appetite won't reach its full potential.

Constitution
Mental sharpness and temperament are crucial in horse racing. DerbyRuns champions have a constitution score reflecting their rarity and race adaptability under any conditions.

Gender
Only mares can carry and give birth to foals, which are essential for the breeding process. On the other hand, stallions can breed with multiple mares and pass down their genetic traits to the foals. Each gender will come with pros and cons the player must carefully consider

Age
Younger horses may have more potential for growth and improvement but may need more experience and maturity. Older horses may have more experience and developed skills, but their physical abilities may decline with age.

Drive
Talent alone isn't enough; a horse must also have the desire to win. This competitive drive is a factor in traditional horse racing and is a key component of a championship-caliber DerbyRuns horse.

Stables

As the game evolves, additional features will be added, facilitating the expansion of the DerbyRuns marketplace. Potential expansion includes purchasing parcels, building stables, leasing stalls to other players, and offering breeding services on your farm.

Buying Jockeys And Accessories

Jockeys will be a crucial element for a winning horse. While every basic horse comes with a jockey, the option to upgrade a jockey or hire a jockey with more skill and experience will be available in the marketplace. A shop for accessories and paint will also be available so players can customize their horse tack, saddle, uniforms, and more to their unique tastes.

Pink Slip Racing

Racing culture has developed a group of people ready to risk it all. DerbyRuns will combine street racing culture with Derby racing, but your horse is on the line this time, and the winner takes all in this Player-vs-Player (PVP) action-packed event.

Breeding

Breeding, a fundamental game feature that all horse owners can partake in, requires both a mare and a stallion. To engage in breeding, players must own a stable and pay the requisite transaction fees. The stallion owner will charge a fee, and the mare owner will receive the foal. As a core element of the game, breeding will enable new generations of thoroughbreds to compete in races as seasons pass and new versions are released.

Assets Upgrades

Players will be able to purchase horse statistic upgrades, tack, saddles, jockey uniforms, and more. These asset upgrades might not only enhance the aesthetics of the game but could also improve horse performance and increase the chances of winning

Roles & Achievements

As DerbyRuns develops, roles will be introduced into the game. Each role will come with different perks and achievements.

Arenas & Tracks

Arenas and tracks are an integral part of the horse racing game, and the MVP version will provide a range of options in terms of track length and location. Future versions could add track surfaces that are affected by weather conditions, adding a new level of realism to the gameplay.

Injury & Recovery

At DerbyRuns, fairness is a top priority, and the community deserves the opportunity to grasp the game's core mechanics before new handicaps and strategies are introduced.
Injury and recovery will be added to future releases, taking into account various factors such as track surface, weather, exposure to races and training, breed, health, and more to create a realistic and immersive gaming experience.

Game Formula & Logic

Our game formula is the secret sauce that drives the horse racing game's mechanics and will remain undisclosed. It will incorporate all attributes and new additions as they are introduced over time, including jockey options, marketplace items, mini-game results, horse and stable maintenance, weather, track surface, breeds, heritage, bloodline, and more. This approach ensures that the gameplay experience continually evolves and improves, offering players a dynamic and engaging gaming experience. Constant tweaking of our game formula keeps the community on the lookout for new strategies and approaches to improve their horses and facilities and find new ways to grow their virtual assets. As the game evolves and other features are introduced, players will need to adapt their strategies and tactics to remain competitive. This will keep our players sharp and engaged, as there is always something new to tinker with.

Minigames & Booster Packs

As DerbyRuns develops minigames could be introduced to the game. These games are designed not only to be fun but also to provide meaningful progress and development for the horses and will allow users to sell the rewards in the marketplace or apply it to their horses directly.

Marketplace

DerbyRuns will offer an NFT Marketplace. All initial mints and secondary sales will be made available on the site. The marketplace will include wallet connect functionality and additional security features. The players will be able to purchase various good from the marketplace to use in the game such as:

Stables	**Horses**	**Tracks**	**Horse Feed**
Custom Equipment	**Trainers**	**Jockeys**	**Silk & Others**
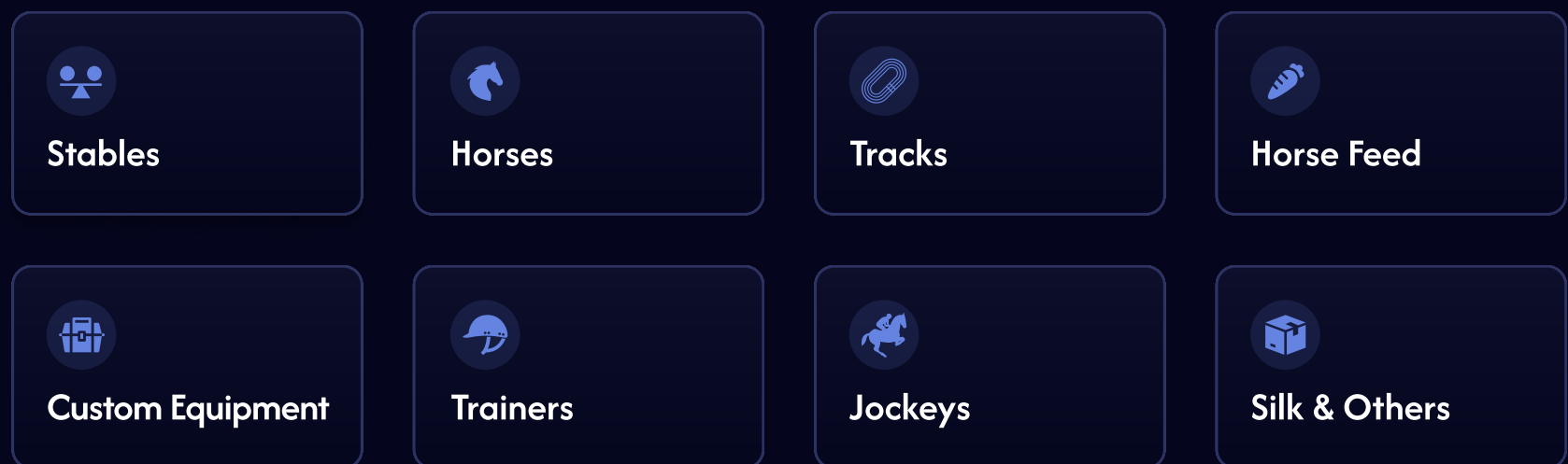
Tokenomics

Project Name	DerbyRuns
Symbol	DRUN
Blockchain	Ethereum
Future Blockchain	BSC, Polygon, Solana
Total Allocation	250,000,000 DRUN

Token Allocations

Token allocation	Percentage of token supply	No. of tokens
Token Sale	20%	50,000,000 DRUN
Team	10%	25,000,000 DRUN
Partners & Advisors	4%	10,000,000 DRUN
Marketing	6%	15,000,000 DRUN
Development	14%	35,000,000 DRUN
Liquidity Provision	16%	40,000,000 DRUN
Ecosystem	30%	75,000,000 DRUN
Total	100%	250,000,000 DRUN

Token allocation	Lock-up & release
Token Sale	25% monthly release starting from the TGE
Team	2 years lock-up 10% monthly release after the end of 2 years lock-up
Partners & Advisors	2 years lock-up 5% monthly release after the end of 2 years lock-up
Marketing	10% monthly release starting from the TGE
Liquidity Provision	New releases with every new CEX/DEX listing & liquidity requirements
Ecosystem	Game ecosystem wallet, 5% monthly release starting from the official game release date

Token Sale Allocation

Sale round	Price	Tokens for sale	Total Raise	Monthly vesting from TGE	Tokens at TGE
SEED	$0.03	20M DRUN	$600K	20%	4M DRUN
KOL	$0.05	5M DRUN	$250K	25%	1.25M DRUN
PRIVATE	$0.075	20M DRUN	$1.5M	25%	5M DRUN
IDO	$0.10	5M DRUN	$500K	25%	1.25M DRUN
TOTAL		50M DRUN	$2.85M		11.5M DRUN

Infographic

Token Sale - 20.0%
Ecosystem - 30.0%
Team - 10.0%
Partners & Advisors - 4.0%
Liquidity Provision - 16.0%
Marketing - 6.0%
Development - 14.0%

20.0%
30.0%
10.0%
4.0%
6.0%
16.0%
14.0%
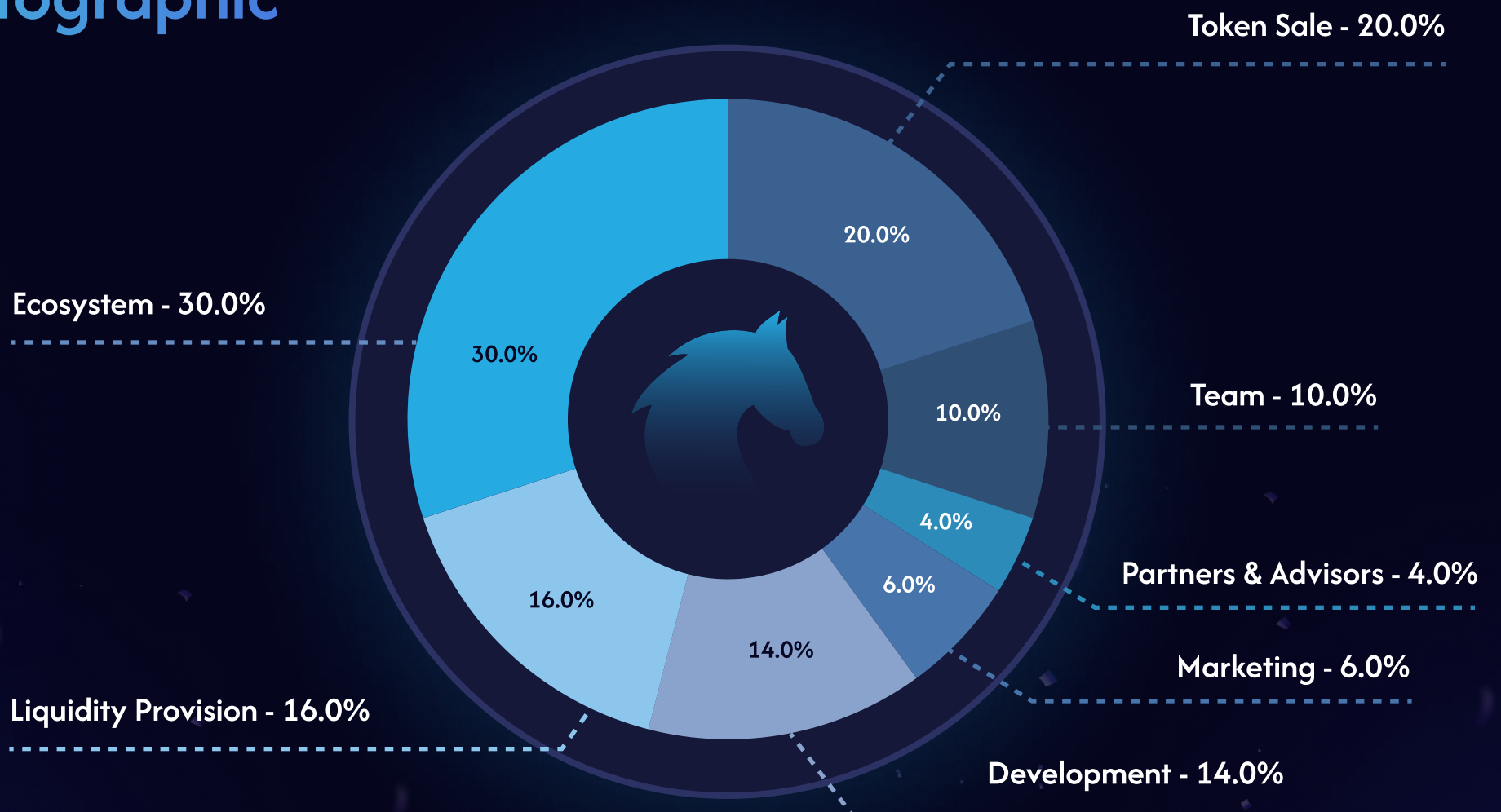
Roadmap

For a comprehensive overview of our project's milestones and future plans, we invite you to visit our official website.

Partners

 YASAR CORPORATION

Yasar Corporation

Headquartered in Las Vegas and Istanbul, Yasar Corporation specializes in strategic global early-stage private equity investments in blockchain-enabled companies from the seed of an idea to the growth stage. Whether working with a designer, engineer, or entrepreneur, Yasar Corporation will help bring an idea to maturity and help turn early ventures into profitable businesses and thrive in the world. Yasar Corporation brings extensive experience and professionalism to every project it gets involved with and customizes its involvement to the client's needs and concerns.

 VENDETTA CAPITAL

Vendetta Capital

Specializing in cryptocurrency advisory and investment management, Vendetta Capital has brought together a multi-disciplinary team with immense experience spanning from investing, portfolio management, and capital markets to marketing and blockchain technology. Vendetta invests in, leads, and helps projects to accelerate the development of novel solutions to address the core issues of scalability, privacy, and interoperability for decentralized protocols and applications.

Beyond offers strategic and technical leadership, advisory, and support capabilities to projects in all stages of blockchain and new technology implementation and development. Their services include business model review and fundraising strategy, new technology development, digital storytelling, market making, and treasury management. Beyond can help identify solutions for technical and business challenges and offer guidance from decades of experience launching new business ventures.

Rapid Growth is a marketing and technology consulting firm that helps businesses grow through marketing strategy and technology. Their expertise is in branding, social media, lead generation, mobile app development, and more. A small team of marketing professionals, Rapid Growth, believes in technology's power to disrupt how people do business. They're also big fans of cryptocurrency and blockchain.

Darkpool Ventures is a digital asset market-making firm that is mainly known for creating the Binance API, one of the most advanced and widely used APIs in the blockchain ecosystem today.

Blockchain Gaming Factory

By blockchain technology, Blockchain Gaming Factory revolutionizes the gaming industry by providing financial support for game developers. Their goal is to make sure that game developers don't have to worry about making enough money to keep their businesses running but instead focus on creating amazing games.

GBA Capital

GBA Capital is a boutique advisory and stockbroking firm that offers high-quality, independent capital markets advice, equities sales, and trading execution.

First Capital

First Choice Capital offers cryptocurrency advisory and investment management services as well as cryptocurrency research to its clients.