



THE NEXT GENERATION OF **DECENTRALIZED ENTERTAINMENT**

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Note

This whitepaper is a confidential first draft and should be viewed as an early exploration of the HELIX ecosystem. It is subject to significant revisions and updates as the ecosystem grows and new developments unfold. The concepts, structures, and details outlined are expected to evolve, and this draft should not be considered a complete or final representation of the HELIX ecosystem or its components.

To safeguard intellectual property and prevent premature trademark or branding exposure, the codename PROJECT HELIX is being used temporarily. This approach ensures that key elements of the project remain protected until it is time to publicly unveil the final branding and associated intellectual property.

This document is a living resource and may be updated at any time without prior notice. All information, including numerical data, is provided based on current estimates and is subject to change as the project matures and market conditions shift. Specific figures, timelines, and models outlined here may be adjusted to reflect new insights, technological advancements, regulatory requirements, or evolving conditions within the HELIX ecosystem. Always refer to the most recent version of this document for the latest and most accurate information.

Basic Tokenomics

The Basic PROJECT HELIX Tokenomics, including proposed node pricing and token emissions, can be found here: [PROJECT HELIX Emissions and Node Pricing](#). Please note that these are subject to change.

Legal Notice

The purchase or sale of any token or digital asset within the HELIX ecosystem involves risk. The information provided in this whitepaper is for informational purposes only. We encourage you to review this material carefully and reach out with any questions before engaging with the HELIX ecosystem. It is also strongly recommended that you do your own research (DYOR) and consult with your legal, accounting, or tax advisors regarding any applicable laws, regulations, or rules governing your participation in the HELIX

ecosystem. It is also strongly recommended that you do your own research (DYOR) and consult with your legal, accounting, or tax advisors regarding any applicable laws, regulations, or rules governing your participation in the HELIX ecosystem, as well as the tax or financial implications of any transactions involving digital assets discussed in this whitepaper.

By purchasing or selling any digital assets or tokens within the HELIX ecosystem, you acknowledge and accept the risks involved and confirm that you have conducted your own due diligence. HELIX disclaims any liability arising from your participation.

1. Introduction for HELIX

For many, web3 gaming seems to have lost its spark, as the initial wave of games stumbled dramatically due to a toxic mix of bad tokenomics, web2 mismanagement and web3 greed. Despite the promising potential of decentralized gaming, these early projects often prioritized quick profits over long-term vision, leading to broken economies, poor user experiences, and shattered community trust. The fallout has cast a shadow over the entire industry, leaving many to question whether web3 gaming can rise from the ashes and fulfill its early promise.

As the blockchain gaming industry matures, HELIX stands poised to become the spiritual successor to the highest ambitions of web3 gaming. While some companies previously made significant strides in the blockchain gaming sector, they have also left behind numerous promising games and missed several key opportunities. The vision for HELIX is to step into this gap, leveraging the learnings from these companies' journeys to make a meaningful impact on the gaming space and delivering on the promise that brought so many into the space.

One of the core strengths of HELIX is its ability to revive and support web3 games that have been sidelined due to poor management or flawed tokenomics. Many blockchain games with great potential have found themselves shipwrecked, not because of a lack of creativity or engagement, but due to the missteps in their operational frameworks. HELIX aims to provide these games with a platform where they can achieve the success they were originally designed for. By addressing the fundamental issues that led to their initial setbacks, HELIX can help these projects flourish.

The HELIX node ecosystem draws inspiration from the other node ecosystems, replicating their functions while addressing their shortcomings. Unlike the initially centralized node models of some other blockchain gaming initiatives, which included heavy team distribution, the HELIX model emphasizes decentralization and community participation. This approach ensures that the ecosystem remains robust and resilient, minimizing the risks associated with this inequitable distribution.

A key focus for HELIX will always be on effective token management and burn mechanisms. Ensuring the health and sustainability of the node ecosystem is

paramount. By implementing strategic token burns and maintaining a vigilant eye on tokenomics, HELIX aims to create a stable and thriving environment for both developers and players. This commitment to robust token management will not only enhance the value of the HELIX ecosystem but also foster long-term growth and stability.

In conclusion, HELIX is set to pick up where these other companies have left off, revitalizing gaming and providing them with the infrastructure they need to succeed. Through a decentralized node ecosystem and meticulous token management, HELIX is poised to become a key player in the blockchain gaming industry, driving forward innovation and success.

2. The HELIX Team

HELIX Incorporated was founded by a group of former Gala Games members, each bringing their expertise and passion for web3 innovation to create a decentralized, community-driven ecosystem. Since its inception, HELIX has expanded to include 15 additional team members from around the globe, uniting diverse talent and perspectives to drive the company's mission forward. This global collaboration ensures that HELIX remains at the forefront of blockchain innovation, combining deep industry experience with fresh ideas to build a truly decentralized future.

At HELIX, we see ourselves as custodians of the ecosystem, not its owners. Our role is to support, guide, and empower the community to shape the future of the platform. By prioritizing decentralization and community-driven governance, we aim to foster an environment where every participant has a voice and the ecosystem thrives through collective ownership and collaboration.

However, companies do have official positions for business purposes, and several of those can be found below.

2.1. Patrick Bergman, CEO of HELIX Incorporated

Patrick Bergman is a seasoned business executive with over two decades of experience in leadership, business development, finance, and operations across various industries. As the CEO of HELIX Incorporated, Patrick drives innovation within the web3 space, leading the company's mission to fulfill the promises of decentralization, community empowerment, and ownership that originally inspired the web3 ecosystem.

Before founding HELIX, Patrick served as Senior Vice President of Business Development at Gala Games, where he played a pivotal role in the relaunch of Spider Tanks, working alongside Jason "BitBender" Brink and Levi "ChairBandit" Hansen. Despite their efforts, a shift in thinking of Gala's upper management, particularly the decision to remove \$SILK from the game's ecosystem, led to its eventual collapse and contributed to Patrick's decision to leave the company. His time at Gala honed his ability to manage large-scale blockchain gaming projects

and navigate complex challenges in an evolving space.

Patrick's career also includes leadership roles at Certain Affinity, where he served as Vice President of Business Development, focusing on strategy, channel development, and executive-level communications. His extensive experience and proven track record in driving results across dynamic, market-driven environments have established him as an influential leader in the blockchain and entertainment sectors.

In addition to his role at HELIX, Patrick is also the Founder and CEO of Veritas Game Advisors (VGA) and Co-Founder and COO of 3D Coolie, further exemplifying his expertise in navigating the complexities of the video game and entertainment industries.

2.2. Jason "BitBender" Brink, Chief Blockchain Advisor

Jason "BitBender" Brink is a pioneering leader in blockchain technology, recognized for his significant contributions to digital currencies and decentralized applications. His blockchain journey began in 2013, and he quickly rose to prominence by winning the 2014 Bill and Melinda Gates Foundation/Global Development Network Prize for his innovative project "AidDollar," which aimed to revolutionize the delivery of foreign aid through blockchain technology.

Over the years, Jason has become a prominent voice in the blockchain community, regularly speaking at global industry events and offering deep insights into the transformative potential of the technology. His expertise spans multiple sectors, making him a key thought leader in the decentralized space. As the former President of Blockchain at Gala Games, Jason led the development of several groundbreaking projects, including Gala Games, Gala Music, and Gala Film. He also played a central role in the creation of GalaChain, a project designed to advance decentralization and empower creators and consumers by giving them more control over their content.

After a successful tenure at Gala, Jason decided to step away to explore new opportunities that would allow him to focus more deeply on decentralization and community empowerment.

Building on his experience and passion for web3 innovation, he founded LFG Incorporated—a full-service project foundry combining venture capital and consultancy to drive the next generation of web3 advancements.

As the resident Blockchain Advisor at HELIX, Jason continues to focus on promoting transparency, community involvement, and long-term growth within the decentralized ecosystem.

In addition to his advisory role at HELIX, Jason serves as the CEO of DataGram, a web3 depin project upon which the HELIX node ecosystem is based.

3. Core Tenets of the HELIX Ecosystem

The HELIX ecosystem is built on core values that prioritize player empowerment, community involvement, and fairness. By leveraging blockchain technology and decentralized governance, HELIX aims to create an inclusive, transparent, and innovative platform where players and stakeholders actively shape its evolution. With a strong focus on transparency and respect, the ecosystem fosters a positive and engaging environment that values the contributions of all participants. Continue below to see our core tenets.

Player Ownership

True ownership of in-game assets should be at the forefront of every game, utilizing blockchain technology to ensure players have control over their digital possessions. This approach guarantees that the value generated by players' efforts and achievements remains securely in their hands, creating a sense of permanence and authenticity in the gaming experience.

Decentralized Decision Making

The Aegis Governance System, created by LFG Incorporated and released to the world, is a decentralized decision-making framework designed to empower stakeholders within the HELIX ecosystem. It operates through a transparent, on-chain voting mechanism, allowing node operators, token holders, and key contributors to propose and vote on changes to the network. With a focus on security, efficiency, and community-driven governance, Aegis ensures that the system evolves based on consensus while maintaining the integrity of its decentralized infrastructure. By integrating smart contracts and automated execution of decisions, Aegis creates a dynamic and adaptive governance model that aligns with the long-term vision of the HELIX ecosystem.

Decentralization

A decentralized ecosystem is crucial, distributing control not only among the company but also the players and the wider community. This model fosters a balanced and fair environment where decisions and governance are shared, enhancing the integrity and resilience of the platform.

Community

The community should be the driving force behind games and platforms. Direct influence and direction from the players ensure that the development aligns with the desires and needs of those who are most invested in the ecosystem, fostering a more engaging and dynamic environment.

Transparency

Open and transparent communication with the community is paramount. Regular updates about game development and ecosystem changes build trust and ensure that all stakeholders are informed and engaged. This openness creates a strong bond between the developers and the player base.

Fair Play

Gameplay should prioritize fairness and balance, rewarding skill, strategy, and effort over financial expenditure. This principle ensures that all players, regardless of their financial investment, have an equal opportunity to succeed and enjoy the game, promoting a healthier and more competitive environment.

Innovation

Continuous innovation is essential for enhancing the player experience and the overall ecosystem. Exploring new technologies and game mechanics keeps the platform fresh and exciting, encouraging creativity and pushing the boundaries of what's possible in gaming.

Active Participation

Players should be actively encouraged to engage in the community and the decision-making process. Rewarding participation and effort rather than monetary contributions ensures a vibrant, inclusive, and motivated player base that feels valued and integral to the ecosystem.

Engagement and Feedback

Frequent interaction with the community and welcoming feedback is crucial for the decision-making process. Constructive criticism and suggestions from players help shape the direction of development, ensuring that the platform

evolves in a way that benefits everyone involved.

Respect

A fair and respectful environment is vital for fostering a positive gaming experience. All community members and players should feel valued and included, promoting a culture of mutual respect and collaboration that enhances the overall enjoyment of the platform.

4. Key Differentiating Factors

The HELIX ecosystem is built on principles that prioritize fairness, transparency, and sustainability, ensuring a balanced and equitable experience for all participants. By implementing thoughtful strategies in token distribution, governance, and communication, the ecosystem fosters trust and engagement within the community. Additionally, its chain-agnostic approach provides flexibility and interoperability across multiple blockchain networks, enhancing the ecosystem's adaptability and resilience in the ever-evolving web3 landscape. This ensures that HELIX remains at the forefront of innovation while creating a stable and inclusive environment for its users. Please read on to see the detailed factors which set the HELIX Ecosystem apart.

Fair Launch

A fair launch is essential for ensuring that all tokens are distributed equitably among developers, early adopters, node operators, and players. By avoiding pre-mines, this approach guarantees equal opportunity for all participants to acquire tokens. Transparency in emissions and tokenomics is maintained through blockchain explorers and open-source smart contracts, fostering trust within the community. Anti-whale measures are implemented to prevent any single entity from hoarding an inequitable portion of the token supply, ensuring balanced decision-making. Additionally, community incentives reward early adopters for their efforts in growing the ecosystem, while audits and security measures ensure the integrity and safety of smart contracts.

Emissions Schedule

An effective emissions schedule is vital for the long-term success of any token ecosystem. By implementing smart contract solutions that release tokens steadily and thoughtfully, the ecosystem can maintain a balanced supply, preventing inflation or deflation issues. This approach ensures that the token supply remains controlled and predictable, providing stability for all participants and fostering confidence in the ecosystem's sustainability.

Deflationary Measures

Deflationary measures are crucial for balancing token emissions and extending

the life of the token structure. Implementing burn mechanisms helps to reduce the circulating supply of tokens, increasing their scarcity and potentially enhancing their value. This strategy ensures that the tokenomics remain healthy over time, supporting the ecosystem's growth and stability by preventing oversupply and maintaining demand.

Communication Platform

Effective communication platforms are essential for fostering community engagement and collaboration. Utilizing social media platforms such as Discord, Telegram, Twitter, and Facebook allows for multiple avenues where community members can discuss the ecosystem and games. These platforms enable direct interaction between the development team and the community, facilitating real-time feedback and support. Maintaining a strong online presence helps to build a vibrant, informed, and engaged community, which is vital for the ecosystem's success.

Chain Agnostic Approach

Being chain agnostic is a significant differentiator for the HELIX ecosystem, allowing for flexibility and interoperability across multiple blockchain networks. This approach ensures that the ecosystem is not limited to the constraints of a single blockchain, enabling it to leverage the strengths and unique features of various chains. By supporting a wide range of blockchain technologies, HELIX can provide users with greater choice, reduce dependency risks, and enhance the overall resilience and adaptability of the ecosystem. This inclusive strategy fosters broader community engagement and adoption, ensuring that HELIX remains at the forefront of innovation in the decentralized gaming and infrastructure space. Chain used:

- HELIX Metachain (EVM Compatible chain in development)
- GalaChain
- Ethereum
- BNB
- Polygon
- Immutable

5. The HELIX Marketplace: Changing the Game

One of the cornerstone features of PROJECT HELIX is its seamless integration of web2 and web3 gaming, reflecting the belief that games are fundamentally just games, with the underlying technology being the adaptable component. The HELIX ecosystem is designed to bridge the gap between traditional gaming platforms and blockchain-based innovations, enabling developers to focus on crafting engaging gameplay experiences while leveraging the power of advanced decentralized technologies. By uniting these two worlds, PROJECT HELIX offers a unique value proposition for players and developers alike.

The HELIX Marketplace serves as a key component of this vision. Through the marketplace, web2 games can enable their users to share and trade in-game assets directly from their existing databases without needing to fully transition to web3 infrastructure. This low-lift approach allows traditional gaming companies to dip their toes into blockchain capabilities without committing to a full overhaul of their operations. Developers retain control over their data and user experience while introducing a new layer of engagement and monetization for their players. This flexibility empowers gaming companies to experiment with web3 mechanics in a way that aligns with their existing strategies and user expectations.

This hybrid model addresses one of the largest barriers to blockchain adoption in gaming: the steep learning curve and perceived risk associated with integrating decentralized technologies. By offering web2 companies a gradual, low-stakes entry point, PROJECT HELIX reduces onboarding stress for developers and players alike. This inclusive approach is designed to build trust and foster gradual adoption, addressing concerns over user education, infrastructure investment, and resistance to change.

The HELIX Ecosystem's ability to cater to both web2 and web3 games is critical to its long-term success. By focusing on a unified gaming experience and prioritizing accessibility, PROJECT HELIX aims to succeed where other ecosystems have struggled to onboard mass users. Players enjoy intuitive gameplay with optional blockchain features, while developers unlock new revenue opportunities and market advantages. This balanced, inclusive approach ensures that PROJECT HELIX is not just another

blockchain gaming experiment but a robust platform capable of driving mainstream adoption.

6. The HELIX Node Ecosystem

The HELIX Node Ecosystem aims to establish a robust and decentralized infrastructure to support the entire HELIX ecosystem. Leveraging the power of decentralized hosting and content distribution, this ecosystem will be built upon 200,000 node licenses, each represented as a non-fungible token (NFT). These nodes will be integral in maintaining the ecosystem's infrastructure, ensuring stability, and fostering a thriving community.

6.1. Key Feature

6.1.1. Node Licenses

- Total Licenses: 200,000
- Starting Price per Node: \$500
- Availability: Node licenses will be available for purchase to ensure a wide distribution among community members and stakeholders.

6.1.2. NFT Integration

- NFT Representation: Each node license will be represented as an NFT from day one, providing a transparent and immutable record of ownership.
- Ownership and Transferability: Nodes will be non-transferable for the first year, ensuring stability and preventing speculative trading. After one year, nodes can be transferred freely, allowing for flexibility and market dynamics. Key point: This locking will be smart-contract driven, not database driven.

6.1.3. Node Functions

- Content Hosting: Nodes will be responsible for hosting content across the HELIX ecosystem, ensuring fast, reliable access to resources.
- DePIN Infrastructure: Nodes will support decentralized physical infrastructure networks (DePIN), enhancing the overall robustness and reliability of the ecosystem.

6.1.4. Node Incentives

- Non-Transactional: Nodes will not perform blockchain transactions, reducing operational complexity and focusing on content and infrastructure hosting.

- **Incentive Structure:** Incentives for running a node will include rewards in the form of HELIX tokens, distributed based on uptime, reliability, and performance.

6.2. Implementation Plan

6.2.1. Launch Phase

- **Sale of Node Licenses:** Initiate the sale of 200,000 node licenses through HELIX. Each license will be minted as an NFT and distributed to buyers.
- **Initial Setup:** Provide comprehensive guidelines and support for setting up and running nodes, ensuring participants can easily contribute to the ecosystem.

6.2.2. First Year Operation

- **Non-Transferability Period:** Enforce the non-transferability of node NFTs for the first year to maintain stability and prevent market speculation.
- **Support and Monitoring:** Offer continuous support and monitor node performance, addressing any technical issues and ensuring optimal operation.

6.2.3. Post One-Year Period

- **Transferability Activation:** Enable the free transfer of node NFTs, allowing owners to sell or trade their nodes as desired.
- **Ongoing Development:** Continue to enhance node functionality and incentives, adapting to the evolving needs of the HELIX ecosystem.

6.3. Initial Node Offering and GalaChain Data Verification

The first wave of HELIX Nodes will be available, free of charge, to individuals who operated Gala Founder's Nodes during May 2024. Only those nodes with at least 80% uptime during this period will be eligible for claim. This strategic decision ensures that the early participants in the Gala ecosystem, who demonstrated reliability and commitment to decentralized operations, will have the first opportunity to onboard into the HELIX Node ecosystem.

To claim these nodes, users must undergo a verification process through a specialized claim mechanism. This process includes linking their web3 wallet,

verifying their operational nodes on GalaChain, and performing a burn transaction to confirm ownership. Once completed, users will be able to claim and begin operating their HELIX Nodes.

6.4. Technical Specifications for **HELIX** Node Claim Process

Web3 Wallet Linking

- Users must link their web3 wallet to the HELIX platform. This secure process integrates with popular wallets such as MetaMask and WalletConnect.

GalaChain Address Entry

- Users will input their GalaChain address in the format:
`client | clientnumberhere.`
- This format will be validated before proceeding to ensure the correct structure.

Node Lookup in Database

- The system will query the Gytrace database to determine how many Founder's Nodes the user had operational as of June 1, 2024. Operational nodes will be verified using the `GalaChainToken:GrantAllowance` tag via the Gytrace indexer. The query results will define the number of HELIX Nodes available for claiming, equal to the number of Gala Founder's Nodes operational during May, 2024.

Node Claim Eligibility

- Users can claim up to 100 nodes per GalaChain address. Any nodes restricted by known legal or contractual obligations will be marked ineligible for claiming.

Verification via Transaction

- To verify ownership of the GalaChain address, users will send a small amount of dust in GALA to a specific address provided by the platform. After the 30-day claim window, all GALA dust sent to this address will be burned by HELIX.

Verification Transaction Capture

- The verification process will capture transaction data via the Gytrace

indexer, ensuring successful validation of the user's GalaChain address and node claim.

6.5. Scaling **HELIX's** Decentralized Network

By offering 200,000 nodes, HELIX enables a globally distributed network that enhances the scalability and reliability of its decentralized infrastructure. HELIX Nodes will be capable of hosting content, routing network traffic, and providing essential services to decentralized applications, ensuring a high-performance, resilient environment.

With its integration of GalaChain's established node operators and a transparent claim process, HELIX is building a foundation that empowers the next generation of decentralized applications and services.

Verification Transaction Capture

- The verification process will capture transaction data via the Gytrace

6.6. DataGram Partners with **HELIX** to Power Decentralized Node Ecosystem

HELIX Incorporated has partnered with DataGram to provide the core infrastructure for its decentralized node ecosystem. This strategic collaboration enables HELIX to harness DataGram's robust and scalable technology, ensuring optimal performance, security, and efficiency across its node network. By leveraging DataGram's proven decentralized infrastructure, HELIX can seamlessly integrate and manage nodes across a variety of applications, strengthening the overall resilience of its platform.

This partnership underscores DataGram's dedication to supporting decentralized systems and providing the technological backbone for cutting-edge web3 projects like HELIX's node ecosystem. Together, HELIX and DataGram are setting the foundation for decentralization, scalability, and sustainable growth within the web3 ecosystem.

7. HELIX's Major Ecosystem Components

HELIX has grown by incorporating a diverse array of technological solutions, all working together to build a comprehensive and scalable ecosystem. Currently, HELIX is in the process of unifying these tech stacks to create a seamless, interconnected platform that maximizes efficiency and performance across all its offerings. Each of these ecosystems has been acquired in totality and are currently being integrated and rebranded into the larger HELIX Ecosystem. Their branding is included here just as a reference so that readers can see what else is coming down the road for the HELIX Ecosystem.

7.1. The **HELIX** Marketplace - Powered by Rarible

The HELIX Marketplace's backend will be powered by Rarible, a leading decentralized NFT marketplace known for its user-friendly platform and support for multiple blockchains, including Ethereum, Flow, Tezos, and Polygon. Rarible's infrastructure enables seamless buying, selling, and minting of NFTs, providing a robust foundation for the HELIX Marketplace to offer a diverse range of digital assets.

By integrating Rarible's technology, the HELIX Marketplace will benefit from features such as lazy minting, which allows creators to mint NFTs without upfront gas fees, and a multi-wallet connection system that supports various crypto wallets, enhancing user accessibility and experience. This collaboration ensures that the HELIX Marketplace operates efficiently and securely, leveraging Rarible's expertise in the NFT space to deliver a comprehensive and user-centric platform.

7.2. Acquisition and Integration of the **RFLXT** Ecosystem

HELIX Incorporated has strategically acquired RFLXT, a cutting-edge gaming platform that has developed an extensive suite of advanced technologies, including its flagship AI-driven Digital Doubles. This acquisition positions HELIX at the forefront of virtual identity and entertainment in the web3 space, enabling users to create hyper-realistic digital avatars that can perform, interact, and evolve within virtual environments. RFLXT's expansive technology stack, including advanced motion capture and AI systems, seamlessly integrates into HELIX's decentralized ecosystem, unlocking new opportunities for creators,

influencers, and entertainers to engage with audiences in dynamic and immersive ways. By combining RFLXT's robust gaming platform with HELIX's suite of web3 solutions, this acquisition empowers individuals to take full control of their digital identities, ensuring security, ownership, and the ability to monetize their virtual presence across the expanding metaverse.

Read below to learn about the components of RFLXT being integrated into the HELIX Ecosystem.

7.2.1. HELIX Digital Doubles: Redefining Identity in the Digital Era

7.2.1.1. The Next Generation of Digital Performance

HELIX Digital Doubles are built upon the advanced motion capture and AI technology pioneered by RFLXT. Now fully owned and operated by HELIX, this platform seamlessly blends live-action data with AI-driven animation to produce lifelike digital counterparts capable of expressing human emotion and responding dynamically to their environments. These Digital Doubles allow users to perform, interact, and create in virtual spaces—from films and gaming to the metaverse—without the physical limitations of real-world constraints.

7.2.1.2. Unlocking New Creative Possibilities

By integrating RFLXT's cutting-edge technology, HELIX Digital Doubles unlock new opportunities for creators to transcend the physical boundaries of performance and presence. These digital counterparts can simultaneously participate in global events, interact with audiences in real time, and expand their reach across diverse platforms. Whether it's starring in films, performing in live virtual events, or serving as digital brand ambassadors, the possibilities are limitless.

This acquisition further strengthens HELIX's position as a leader in digital entertainment and web3 solutions. By merging RFLXT's visionary approach with HELIX's broader portfolio of decentralized solutions, creators can now fully leverage the potential of digital doubles across industries.

7.2.1.3. Empowering Control and Ownership

HELIX Digital Doubles put control and ownership firmly in the hands of creators. Each Digital Double is secured through blockchain technology as a unique NFT (non-fungible token), ensuring creators maintain full rights over their digital likeness and performances. This technology allows individuals to license their Digital Doubles for various purposes—from metaverse appearances to branded content—while retaining control over how their virtual identity is used and monetized.

7.2.1.4. Future-Proofing Digital Identities

As digital worlds and virtual economies evolve, HELIX Digital Doubles are designed to adapt and scale with these changes. Now part of the HELIX ecosystem, these digital entities are fully integrated into HELIX's decentralized web3 infrastructure, ensuring interoperability across multiple platforms and virtual environments. By acquiring and enhancing RFLXT's digital double technology, HELIX is paving the way for a future where virtual identity is both secure and valuable.

This acquisition not only cements HELIX's leadership in the virtual entertainment space but also provides individuals with the tools to safeguard, manage, and commercialize their digital identities in a rapidly expanding digital world.

7.2.2. The HELIX Game Integration SDK: Removing Barriers of Entry

The HELIX Game Integration SDK is a comprehensive Software Development Kit designed for game developers to seamlessly integrate blockchain-based features into their games. By utilizing this SDK, developers can incorporate trigger events that activate a variety of blockchain functionalities, including gameplay recordings, NFT minting, in-game purchases, and token-triggered events.

This integration provides a dynamic layer to enhance gameplay experiences, enabling real-time blockchain interactions without disrupting the player experience. Additionally, the SDK opens up new revenue

streams for developers through in-game asset creation and blockchain-powered purchases, all while maintaining a seamless and immersive experience for the players. Whether developers want to mint NFTs based on player achievements or introduce token-based rewards and incentives, the HELIX Game Integration SDK offers a flexible, scalable solution for integrating the future of web3 gaming into any platform.

7.2.3. The HELIX Content Marketplace for User-Generated Gameplay and Assets

The HELIX User-Generated Content Platform is a dynamic content marketplace designed to empower gamers to monetize their gameplay. By recording and uploading in-game content, gamers can turn their skills and creativity into a revenue stream, tapping into the growing market for user-generated gameplay.

This platform allows creators to purchase and incorporate the gameplay content into their Digital Doubles, providing a unique avenue for continuous streaming and enhanced fan interaction. Gamers can sell their best moments, walkthroughs, and game highlights, while creators use this content to enrich the experiences of their digital avatars. The platform bridges the gap between gaming content creators and their audience, offering endless possibilities for monetization and engagement in a thriving digital ecosystem.

7.2.4. HELIX Developer Monetization Tools: Empowering Creators in Web3 Gaming

HELIX Developer Monetization Tools offer a comprehensive suite of solutions designed to help developers generate revenue through the creation and sale of in-game assets, NFTs, and token-based content unlocks. By leveraging these tools, developers can tap into the growing web3 economy and create unique, cross-game experiences for players.

7.2.4.1. Utility and Revenue Streams

Developers can monetize their creations through several key mechanisms:

- **NFT Sales:** Seamlessly create and sell in-game items as NFTs, providing players with true ownership and the ability to trade assets across games.
- **Token-Based Content Unlocks:** Integrate token-based content unlocks to gate premium features, characters, or items, offering exclusive experiences for players.
- **Cross-Game Asset Utility:** Enable assets to carry utility across multiple games within the HELIX ecosystem, increasing their value and appeal to players.
- **Digital Double Marketing:** Capitalize on the HELIX Digital Doubles, allowing players to use them in promotional campaigns or game activations, further driving engagement and revenue opportunities.

These monetization tools are designed to enhance developer creativity, reward innovation, and provide sustainable revenue models in the evolving web3 gaming space.

7.3. Acquisition and Integration of GG.id and the Moonstax Development Stack

7.3.1. HELIX.id: Empowering Player Identity in Web3 Gaming

HELIX.id is an all-in-one web3 platform designed to revolutionize how players manage their digital identities and assets. With its comprehensive functionality, HELIX.id serves as a hub for **Single Sign-On (SSO)**, wallet management, game asset portfolios, and player engagement tools. It allows users to easily track their in-game assets, scores, teams/guilds, and participate in quests and loyalty systems across a wide range of games.

A key component of HELIX.id is the integration of **.HELIX domains**, providing users with personalized, recognizable digital identities. These domains become the gateway to a unified web3 experience, simplifying interactions and enhancing engagement within the HELIX ecosystem.

With features like customizable profiles and cross-game compatibility, HELIX.id gives players control over their gaming journey while also driving

HELIX.id gives players control over their gaming journey while also driving engagement through its integrated quest and loyalty systems, making it a cornerstone for user interaction and asset management in web3 gaming.

7.3.2. HELIX MoonStax: Streamlining Business in the Metaverse

HELIX MoonStax is a comprehensive web3 platform designed to simplify treasury and community management for businesses operating in the metaverse. It integrates advanced tools for managing financial resources, workflows, and assets, all within a single interface. With its powerful treasury service, users can manage funds with detailed financial accounting capabilities, ensuring transparent and accurate reporting.

MoonStax also enables **group workflow management**, allowing teams to collaborate seamlessly across decentralized environments, while its **asset management** tools ensure that digital and physical assets are efficiently tracked and maintained. Additionally, MoonStax incorporates robust **community management features**, empowering businesses to engage with their audiences, manage memberships, and oversee governance.

By offering these key functionalities in one platform, MoonStax simplifies the complexities of running a business in the metaverse, providing organizations with the tools they need to thrive in the evolving web3 landscape.

7.4. Games in the HELIX Ecosystem

HELIX is proud to announce the addition of several games directly to our ecosystem, including Voyager: Ascension and ChronoShot. These games are harnessing the power of our decentralized infrastructure and web3 technologies to deliver immersive, player-driven experiences. By integrating blockchain features such as true ownership of in-game assets, decentralized governance, and innovative monetization models, these titles exemplify the future of gaming within the HELIX ecosystem.

As we continue to grow, HELIX is committed to supporting even more games and developers looking to enter the web3 space. We offer a comprehensive

range of tools, including our HELIX Game Integration SDK, developer monetization solutions, and a robust decentralized infrastructure that makes it easier than ever for new games to thrive in our ecosystem. Whether you are an established studio or an indie developer, HELIX is here to provide the resources and support needed to unlock the full potential of web3 gaming.

7.4.1. Voyager: Ascension

Voyager: Ascension is an expansive sci-fi adventure game that immerses players in a futuristic universe where they embark on thrilling space exploration missions. Set in a world filled with advanced technology, cosmic mysteries, and evolving challenges, players take control of highly advanced spacecraft to navigate through uncharted territories.

In Voyager: Ascension, gameplay focuses on both strategy and action, requiring players to manage resources, upgrade their ships, and engage in epic battles across the galaxy. The game combines fast-paced combat with deep narrative elements, ensuring a rich experience for players. With stunning visuals, vast environments to explore, and intricate ship customization, the game offers an engaging and dynamic experience for sci-fi enthusiasts.

For those looking to explore unknown galaxies, tackle diverse challenges, and ascend to become a master of space warfare, Voyager: Ascension delivers a unique journey into the unknown.

7.4.2. Game: ChronoShot

Chronoshot is a fast-paced, time-manipulation shooter that challenges players to master both precision and strategy as they navigate through intense combat scenarios. Set in a futuristic environment, Chronoshot provides a unique gameplay mechanic that allows players to control time itself, adding a fresh layer of complexity and creativity to traditional first-person shooting dynamics.

In Chronoshot, players can slow down, rewind, or fast-forward time to dodge enemy attacks, set up the perfect shot, or escape tight situations.

This time-manipulation mechanic creates endless possibilities for tactical play, allowing gamers to execute carefully planned maneuvers or react in split-second decisions. Combined with a variety of futuristic weapons, immersive levels, and intricate puzzles, Chronoshot provides a highly engaging and replayable experience.

With its innovative gameplay mechanics, slick graphics, and action-packed sequences, Chronoshot stands out as a must-play for fans of shooters who want a fresh and futuristic twist.

8. HELIX's Aegis Node Governance Platform

8.1. Overview

The **HELIX Aegis** governance platform allows for decentralized decision-making within the HELIX blockchain ecosystem for the purpose of grant assignment through the participation of node operators and other \$LIX token holders. It ensures community involvement and shared ownership of decisions, promoting transparency and reducing central points of failure. This specification outlines the platform's structure, voting mechanisms, requirements, and technical features.

The governance model described for the HELIX Aegis Nodes is primarily designed to apply to the **HELIX Grant Pool**. The HELIX Grant Pool is a dedicated fund of 20% of the daily emissions intended to foster innovation and support projects that contribute to the growth and development of the HELIX ecosystem.

Note: HELIX Incorporated, as an organization, or its members, executives, etc, do not have the ability to unilaterally access this grant pool or circumvent the HELIX Aegis Governance Platform. While HELIX Incorporated and its members may (and likely will) propose governance votes for funding from the HELIX Grant Pool, the same burn requirements must be met and the same voting requirements will be enforced.

Key Features:

- Decentralized governance through HELIX Aegis Nodes and token holders
- Proposal submission and voting framework
- Transparent participation requirements

8.2. Aegis Node Structure

- Total Nodes Possible: 200,000

HELIX Aegis Node operators are granted voting rights proportional to their

participation in the network. Each Aegis Node has one vote in governance decisions, ensuring an egalitarian system for proposal submissions and decisions.

Operational Requirement

Eligibility to Vote: HELIX Aegis Nodes must be **operational** and **actively running an HELIX workload** to participate in governance voting. This requirement ensures that only functional nodes contributing to the network have influence over governance decisions.

8.3. Voting Requirements

- **Total HELIX Aegis Nodes Required to Call a Vote:** 250 nodes must support a proposal to initiate the voting process for the whole network. Each supporting HELIX Aegis Node must burn **\$50 worth of \$LIX tokens** to signify genuine interest in advancing the proposal.
- **Total Nodes Required to Pass a Vote:** A majority is required to pass a vote, balancing practicality and community representation.
 - **Absolute Majority:** At least **51% of voting HELIX Aegis Nodes must vote in favor**, with at least **25% of all active nodes participating in the vote**. This means a minimum quorum for passing a proposal is **2,500 nodes** (in case of 10,000 total active nodes). The number of nodes considered active is based on the 30-day moving average of nodes that have been active within the network.

The quorum requirements can be adjusted over time as the network scales, ensuring governance remains practical and responsive to community size and engagement.

8.4. Proposal Lifecycle

8.4.1. Proposal Submission by HELIX Aegis Node Operators

1. **Eligibility:** Any HELIX Aegis Node operator may submit a proposal.
2. **Burn Requirement:** To submit a proposal, an HELIX Aegis Node operator must burn **\$5,000 worth of the \$LIX token**. This burn mechanism aims to deter spam, ensure that proposers are committed to the success of the network, and add value to the overall ecosystem

by reducing token supply.

3. **Support Requirement:** The proposal must gain backing from **250 HELIX Aegis Nodes** to proceed to the voting stage. Each supporting HELIX Aegis Node must burn **\$50 worth of \$LIX tokens** to signify genuine interest in the proposal.

8.4.2. Proposal Submission by Token Holders Without Nodes

1. **Eligibility:** Any holder of the \$LIX token can submit a proposal, even if they do not operate an HELIX Aegis Node.
2. **Burn Requirement:** To submit a proposal, the token holder must burn **\$20,000 worth of the \$LIX token**. This requirement ensures that non-node participants are also committed to the network's success and reduces the likelihood of low-quality proposals.
3. **Support Requirement:** Proposals submitted by non-node holders must also gain backing from **250 HELIX Aegis Nodes** to proceed to the voting stage, with each supporting node burning **\$50 worth of \$LIX tokens**.

8.5. Voting Process

1. **Operational Verification:** HELIX Aegis Nodes must be verified as **operational and running an HELIX workload** to cast a vote.
2. **Voting Period:** Voting for each proposal remains open for a set period (e.g., 7 days).
3. **Vote Tracking:** HELIX Aegis Nodes can vote via a governance dApp. Votes are publicly tracked to ensure transparency.
4. **Majority and Quorum:** A vote passes if the required percentage of participating nodes vote in favor, meeting both the **quorum** and **majority** requirements.
5. **Historical Uptime:** A node needs to have been online for 80% of the length of a voting period prior to being able to cast a vote. This prevents people from purchasing votes for the sole purpose of swinging a vote.

8.6. Technical Features

8.6.1. Voting Interface

- **Governance Dashboard:** A web-based application where nodes can view ongoing and upcoming proposals, cast votes, and track voting outcomes.
- **Node Authentication and Verification:** Secure authentication is required to validate the identity of HELIX Aegis Node operators, along with real-time verification that the node is **operational and running an HELIX Aegis Node workload** before allowing voting or proposal submission.
- **Token Holder Proposal Submission:** Token holders can use the governance dashboard to submit proposals by burning \$20,000 worth of \$LIX tokens, with automatic tracking of the burn transaction. These proposals must still be validated by 250 nodes before the proposal becomes a governance vote.
- **Support Burn Mechanism: HELIX Aegis Nodes** must burn \$50 worth of \$LIX to signify support for a proposal to be certified for voting.
- **Transparency:** All votes are logged on-chain, ensuring transparency and immutability of voting records.

8.7. Proposal Types

- **Funding Proposals:** Cover routine decisions, including changes to network policies, minor feature additions, etc. Initially, the amount funded is capped at \$100k per proposal/project, with this number subject to change based on network demand and subsequent governance proposals.
- **Critical Proposals:** Concern major network changes, including protocol upgrades or changes to governance structures. Require higher thresholds for passage.

8.8. Voting Mechanisms

- **One Node, One Vote:** Each HELIX Aegis Node has equal voting power, provided it is verified as operational.
- **Delegated Voting:** HELIX Aegis Node operators may delegate their vote to another operational address if desired, to ensure representation even if they

they are unavailable. Delegation does not remove burn or uptime requirements for that specific node.

8.9. Security Considerations

- **Sybil Attack Mitigation:** The governance platform incorporates mechanisms to verify HELIX Aegis Node ownership as NFTs and operational status to prevent manipulation.
- **On-chain Voting:** The voting process and proposal records are stored on-chain, providing immutability and reducing the risk of tampering.
- **Burn Mechanism:** The requirement for burning \$5,000 (for node operators) or \$20,000 (for non-node token holders) worth of \$LIX tokens to submit a proposal, and the **\$50 burn per supporting node** for advancing a proposal to a vote, ensures that proposals are well-considered and discourages spam or malicious submissions.

8.10. Governance Evolution

- **Initial Setup Period:** The Aegis Governance Platform will initially operate on an ad-hoc basis for up to a year, allowing HELIX to ensure that all systems function as intended before transitioning to full decentralization. During this period, governance decisions will be made with community input but under guided oversight to test and refine the platform's features. Once we are confident in its stability and effectiveness, The Aegis Governance Platform will be fully decentralized, empowering the community to manage the ecosystem independently through on-chain voting and automated execution.
- **Amendments to Governance Rules:** The governance model itself may be amended through proposals. Proposed changes to voting thresholds, quorum requirements, burn amounts, or proposal submission limits can be voted on by the community, allowing the governance structure to adapt over time.

8.11. Summary

The governance platform is designed to be decentralized and robust, encouraging active participation by **HELIX Aegis Node** operators while ensuring decisions are made by nodes that are actively contributing to the network through running an HELIX workload. The burn requirements—including **\$5,000 for proposal submission by node operators, \$20,000 for token holders without**

nodes, and \$50 per supporting HELIX Aegis Node for advancing a proposal—serve to filter out uncommitted actors, reduce spam, and enhance the quality of governance proposals. The requirements for calling and passing a vote are intended to ensure that decisions reflect broad community support, protecting the network's interests as it grows.

9. The Project HELIX DAO Launchpad

Within the Project HELIX Gaming Ecosystem, the DAO Launchpad Structure serves as a critical lifeline for games that have been abandoned or have struggled to maintain operational viability. By leveraging decentralized governance and community-driven initiatives, this structure empowers communities to rescue and sustain games, fostering innovation and collaboration.

9.1. Definition and Functions of a DAO

A Decentralized Autonomous Organization (DAO) is a collective governed by smart contracts on a blockchain, enabling members to make decisions transparently and equitably. DAOs operate without central leadership, relying on community voting to direct resources and strategies. They are particularly well-suited for collaborative projects like game revitalization, as they provide:

- **Transparent Governance:** Every decision is recorded on-chain, ensuring accountability.
- **Decentralized Decision-Making:** All stakeholders have a say in the project's future.
- **Resource Management:** Efficient allocation of funds and assets based on community consensus.
- **Scalability:** Flexibility to adapt and grow alongside community needs.

9.2. Components of the DAO Launchpad Structure

9.2.1. DAO-Builder Platform

The foundation of this structure is a robust DAO-builder platform designed to streamline the creation of decentralized autonomous organizations. This tool provides:

- **Customizable Frameworks:** Templates tailored for gaming projects to establish governance structures, voting mechanisms, and financial management systems.
- **Integration with The Project HELIX Gaming Ecosystem:** Seamless compatibility with HELIX tools, enabling effective asset management,

on-chain governance, and resource allocation.

- **Educational Resources:** Comprehensive guides and tutorials to assist communities in understanding and operating their DAOs.

9.2.2. Legal Assistance and IP Management

Although outside the core offerings of HELIX, the DAO Launchpad facilitates connections with specialized legal organizations. These partnerships ensure:

- **DAO Legal Compliance:** Guidance in registering and operating DAOs within appropriate jurisdictions. **Note:** DAOs must navigate complex legal frameworks that vary by region. Ensuring compliance is critical to avoid regulatory penalties.
- **IP Management:** Assistance in securing, transferring, and protecting intellectual property rights to safeguard the game's assets and future development. **Note:** IP disputes can arise when ownership or usage rights are unclear. Early legal agreements are essential.
- **Operational Documentation:** Access to legal templates and contracts tailored to DAO governance and IP agreements.

9.2.3. Governance Proposal Creation

To enable the continued propagation and maintenance of rescued games, the DAO Launchpad supports the creation of detailed governance proposals. These proposals:

- **Define Objectives:** Clearly outline the mission and operational goals of the DAO. **Note:** Objectives should be realistic and legally sound to ensure alignment with local regulations and community expectations.
- **Allocate Resources:** Propose funding strategies, revenue-sharing models, and budget allocations.
- **Incentivize Participation:** Include mechanisms to reward contributors and attract new stakeholders.
- **Foster Transparency:** Ensure that all decisions and resource allocations are verifiable on-chain, building trust within the community.

9.2.4. DePIN Network Integration

One of the most significant challenges faced by abandoned games is the cost of centralized hosting and management. To address this, the DAO Launchpad provides tools and support for establishing a Decentralized Physical Infrastructure Network (DePIN) with DataGram:

- **Decentralized Hosting Solutions:** Utilize community-run nodes to host game servers and manage network traffic, significantly reducing operational expenses. **Note:** Legal liability for hosting failures or security breaches must be clearly defined in DAO agreements.
- **Incentivized Infrastructure:** Reward node operators with tokens or other incentives, ensuring high uptime and reliability.
- **Scalability and Resilience:** Provide a scalable and resilient infrastructure, ensuring uninterrupted gameplay experiences and robust content delivery.
- **Interoperability:** Enable cross-chain compatibility and seamless integration with existing web3 tools.

Benefit of the DAO Launchpad Structure

- **Community Ownership:** Rescued games are placed in the hands of passionate communities, ensuring long-term engagement and innovation.
- **Cost Efficiency:** By leveraging decentralized infrastructure, operational costs are significantly reduced.
- **Sustainability:** Transparent governance and decentralized resources create a sustainable model for maintaining and growing the game.
- **Ecosystem Growth:** Reviving games within The Project HELIX Gaming Ecosystem enhances its reputation and attracts additional developers and projects.

The DAO Launchpad Structure within Project HELIX not only provides a second chance for abandoned games but also demonstrates the transformative potential of decentralized governance and infrastructure. Project HELIX was built on an ethos of delivering on promises. This ethos extends beyond our own commitments—we aim to help the industry as a whole deliver on its promises by empowering communities and fostering innovation. By providing the necessary tools, support, and connections, HELIX

strives to uphold the integrity and potential of gaming projects within the ecosystem. By empowering communities with the tools and resources to take ownership of these games, HELIX establishes itself as a pioneer in revitalizing and sustaining gaming ecosystems.

10. Conclusion

As we reflect on the journey that has brought us to the brink of launching the HELIX Gaming Ecosystem, it's important to acknowledge the lessons learned and the vision that drives us forward. Inspired by the experiences and challenges faced in previous ventures, we have crafted a robust and innovative framework that aims to elevate the standards of decentralized gaming and infrastructure.

The HELIX Gaming Ecosystem is a testament to our commitment to decentralization and community-driven development. By offering 200,000 node licenses as NFTs, we ensure transparency and ownership from day one. The initial one-year non-transferability period is designed to foster stability and prevent speculative trading, laying a strong foundation for sustained growth. After this period, the flexibility of node transferability will introduce dynamic market interactions, further strengthening the ecosystem.

Our approach to token management and burn mechanisms is meticulous, aimed at maintaining a healthy and sustainable environment. By carefully balancing token emissions and implementing strategic burns, we ensure long-term stability and value for both developers and players. This dedication to robust tokenomics will drive the growth and stability of the HELIX ecosystem.

In creating HELIX, we draw inspiration from the successes and challenges of other projects but also pave our own path by emphasizing true ownership, decentralization, and community engagement. We are committed to continuous innovation, transparency, and fair play, ensuring that every participant has a voice and stake in the ecosystem.

We are confident in our ability to deliver on the promises that matter most to our community. The future of web3 gaming is bright, and with your support, we will create an ecosystem that not only meets but exceeds the expectations set before us.

Thank you for your continued support and belief in our vision. Together, we will build a decentralized, resilient, and thriving HELIX ecosystem that truly embodies the spirit of web3.

LFG!

Annex 1: Jason Brink's TEDx talk at TEDx St. George: The Power of Gaming: Transforming Lives Through Play-and-Earn



There are about 3 billion gamers worldwide. Most of you here, or watching this, are likely gamers, whether you're playing on your phone, computer, or other devices. Gaming is a universal activity, something that makes us fundamentally human. However, many of us grew up being told that gaming was a waste of time, that we should leave it behind to enter the "real world," get a job, and be productive. I remember my father saying, "Turn off that idiot box and go outside."

Today, though, things have changed. With play-to-earn and play-to-own models, it's now possible to make a living by playing video games. This is an absolute game-changer, especially for people in developing countries.

My journey toward making a difference in the developing world began in Haiti in 2010. Amid the dust and rubble of post-earthquake Port-au-Prince, I witnessed immense human suffering. There were orphans living in tent cities, mothers struggling to feed their children, and tragic stories like a woman giving birth to twins who survived only five minutes because she had eaten just one meal a week during the last months of her pregnancy.

What struck me most was that the entire situation was preventable. There were governmental agencies and NGOs working in Haiti, but very little aid actually reached the people who needed it most. The "aid pipeline" was leaking at every stage. This

experience inspired me to create a solution, what I called the "aid dollar," designed to fix the broken aid system. However, working with governments and NGOs proved slow and bureaucratic. Those who needed help couldn't afford such delays.

This frustration led me to gaming. It might sound like an odd leap, but here's the connection: games have economies—intricate, balanced ecosystems that support players. Until now, these economies have been controlled solely by game publishers, who kept all the profits to create more games. But what if we reimagined gaming? What if we allowed the money players put into games to benefit others?

At Gala Games, we've done just that. We've built a play-to-earn and play-to-own ecosystem where gamers can earn real value through their in-game activities. Here's how it works: one player, often in a developed country, wants to pay for a premium gaming experience but doesn't have the time. Another player, possibly in a developing country, has the time but lacks other opportunities. The second player can spend their time leveling up characters, crafting items, and creating in-game assets. They can then sell those assets on the blockchain to the first player. This process facilitates a seamless transfer of wealth from one person to another, transforming lives in the process.

There are countless stories of how this has changed people's lives, but I'll share just three. One young woman, part of a family of sharecroppers for generations, now owns her land and home—something her family has never experienced—because she plays video games. Another person was drowning in medical debt and has now cleared that burden, building a brighter future for their family. A third was able to pay off heavy student loans through gaming.

In 2021 alone, we unlocked \$2.2 billion in play-to-earn revenue for our players—more than our company made. This has been life-changing for so many people, and it all started by challenging assumptions. People told us it couldn't be done, that gaming was a waste of time. They were wrong. By defying expectations, we've made a meaningful impact.

But this is only the beginning. Imagine if you could earn money by listening to music, watching movies, or even exercising. The possibilities are endless, and the potential to change lives is enormous.

Thank you.