



# Valhalla Twins

DeFi + NFT + GameFi + Metaverse

◀ **WHITEPAPER** ▶

On the edge of the world of Ragnarok, the twins have awakened

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# Chapter 1: Project Overview

## — Born at the Edge of Myth, the Awakening of Valhalla Twins

In an era of accelerated blockchain evolution, more and more projects are transitioning from purely financial logic toward “narrative-driven” composite ecosystems. Valhalla Twins is exactly such an on-chain mythological experiment—infused with imagination, financial mechanisms, and community spirit. It is not only a dual-token DeFi + GameFi project, but also a cultural system reborn, an attempt to reshape digital civilization.



Led by core developers from the FLOKI project, Valhalla Twins carries the torch of

FLOKI's spirit and technological progression. Built upon two symbolic forces from Norse mythology—FENRIR (the giant wolf) and FHEL (the goddess of the underworld)—it forms a dual-token structure representing the eternal clash between destruction and rebirth, chaos and order. This twin-token architecture is not only backed by a sound economic model, but also fuels a narrative-driven on-chain metaverse system: **Valhalla**.

## **1.1 Mythological Vision: Narrative-Driven Civilization on the Blockchain**

The core philosophy of Valhalla Twins stems from a deep belief: *Blockchain is more than just technology—it's a vessel of civilization.*

In the post-Bitcoin era of mathematical rationality, the crypto world needs cultural resonance, emotional connection, and symbolic identity—and mythology offers the perfect gateway.

The FLOKI project has already laid the groundwork for a mythological worldview

centered around Valhalla. The emergence of *Twins* is a narrative split and recreation of that vision.

- **FENRIR**, the giant wolf, embodies destruction and wildness. He tears down old orders and represents the disruptive force of blockchain against traditional financial systems. The FENRIR token system focuses on high-yield, high-volatility financial arenas—designed for users seeking explosive growth.
- **FHEL**, the goddess of death and order, is calm, powerful, and governs the underworld. Her corresponding token system focuses on governance, safety, insurance, and clearing—serving as the ecosystem’s firewall and protector of rules and risk management.

These two mythological forces are reimagined as dual-token mechanics, creating a **narrative-driven financial order** within Valhalla Twins. It’s not just a protocol—it’s a

“container of civilization” where participants can immerse themselves, evolve, and shape destiny.

In the future Valhalla ecosystem, games are no longer just games; finance is not mere speculation; and governance is more than voting—it’s a persistent battle and evolution between “order and power,” where every user is both a warrior and a builder, a governor, and a storyteller.

## 1.2 FLOKI Legacy: A Community–Powered Expansion Engine

What makes Valhalla Twins truly unique is its **organic inheritance from FLOKI**. Originally launched as a meme coin, FLOKI successfully built an entire ecosystem including an educational platform (*Floki University*), a blockchain game (*Valhalla Game*), and a charitable system (*FlokiPlaces*), becoming a legendary case of “from meme to civilization” in crypto history.

Valhalla Twins represents the “**second narrative axis**” of the FLOKI universe. It’s not just a side project—it’s a more empowered financial core, an anchor transforming the Valhalla worldview from fiction to interaction, from story to protocol.

The guiding principle of Valhalla Twins has always been: *From the users, to the community*. Its architecture not only facilitates financial growth but also fosters long-term user engagement and emotional belonging.

- **FENRIR** represents ambition and explosive potential.
- **FHEL** embodies protection and cooperation.

Together, they form FLOKI’s new “asset personality model.”

In terms of product design, Valhalla Twins maintains the FLOKI team’s high engineering standards. All modules are co-developed by **Runecode Labs**, combining professional gaming mechanics with on-chain financial frameworks, ensuring seamless interaction

between DeFi, GameFi, and governance.

On the community front, the **Twins Syndicate** has established a promotional matrix spanning East Asia, Europe, the Middle East, and Latin America. Through NFT airdrops, AMAs, online battle events, and offline consensus conferences, it continually expands the FLOKI user base and facilitates natural user migration into the Twins universe.

### **1.3 Project Positioning: Triple Value Proposition of the Twin Ecosystem**

From inception, Valhalla Twins has been built upon three strategic value pillars:

#### **1. Myth-Driven On-Chain Civilization**

The project is no longer driven solely by code, but by mythology and cultural identity.

Through embedded narrative mechanics, users are not merely “investors” but “holders of destiny,” “character builders,” and “co-governors of a world.”

## 2. Dual-Token Synergy and Economic Mechanics

FENRIR and FHEL each target different financial tracks—one for high-yield, the other for stability and governance. Together, they form a dynamic value-circulation mechanism that supports long-term sustainability.

## 3. From Meme to Civilization

Valhalla Twins moves beyond the meme coin and gaming stereotypes, emphasizing *on-chain identity, narrative NFTs, and decentralized governance*. It represents a shift from short-term speculation to long-term consensus building.

This positioning means Valhalla Twins is not just an “upgrade” to FLOKI—it is its **civilizational extension**, a fractal expansion of the FLOKI ethos into the next frontier.

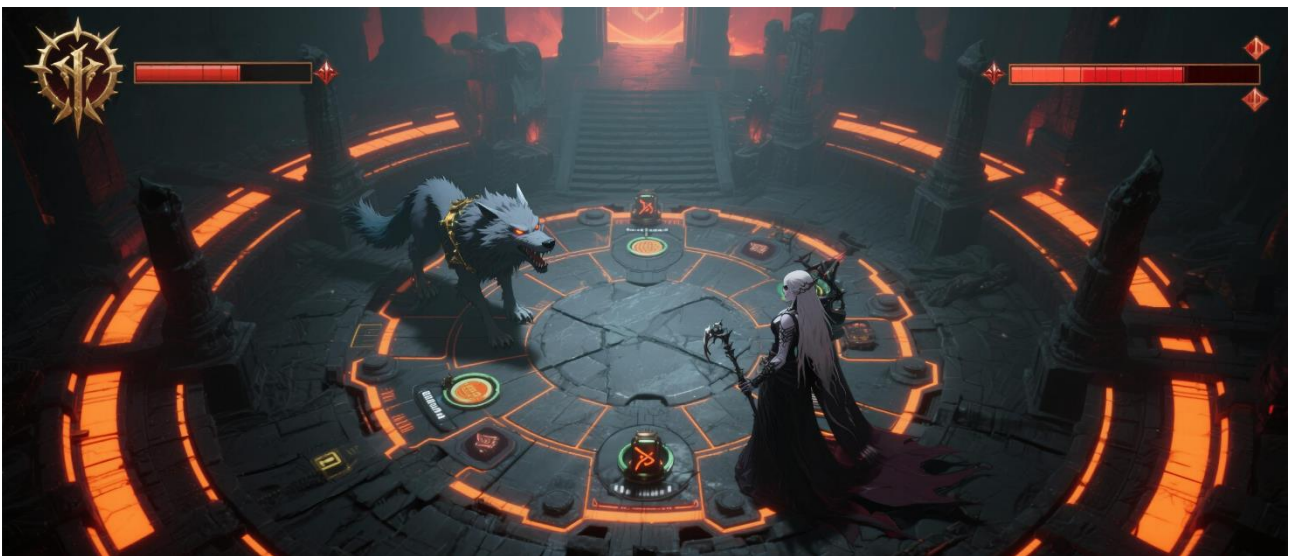
## 1.4 Use Cases and Implementation Path

Valhalla Twins has moved far beyond the “whitepaper stage.” It is now a complete,

deployable ecosystem strategy, with clear paths from base protocols to application scenarios—from gaming and DAO governance to NFTs and cross-chain bridges:

- **DeFi Modules**

- Valhalla dApp Pool — Dual-token staking and compounding rewards
- FENRIR Liquidity Engine — High-risk, high-reward strategy pools
- FHEL Vaults — All risky operations require FHEL authorization for safety



- **NFT Modules**

- Vera Rune Battle Relic NFTs — Created via dual-token synthesis with tier systems

- **Soulforging System** – Burn FENRIR to mint dynamic limited NFTs
- **Guardian Badges** – Minted via FHEL staking, used for governance and identity

- **GameFi Modules**

- **Valhalla Game Battle System** – Winner earns tokens, losers compensated via FHEL

insurance

- **Gear Evolution** – FENRIR boosts attack, FHEL enhances defense and skill triggers
- **Play-to-Mint Character Unlocks** – Combine FENRIR + FHEL to awaken heroes or mythic beasts

- **Metaverse Modules**

- **ValhallaVerse Myth Metaverse** – Map composed of “Isles of Fate,” land minted as

NFTs

- **Twins Council** – FHEL holders govern proposals, laws, and trials

- Oracle DID System – Unique on-chain ID based on holdings, NFT levels, and behavior

- **Cross-Chain & Launchpad Expansion**

- Ragnarök Bridge – Enables FENRIR & FHEL cross-chain transfer on BSC, Ethereum,

Base

- F-Twin Launchpad – Stake dual tokens to access early-stage project launches

- Twin Treasury – DAO-managed community treasury for incentives, liquidity, and

black swan reserves



# Chapter 2: Dual-Token Mechanism

## — The Resonance of Power and Order

The core design of **Valhalla Twins** is built upon a binary mythological structure: **Fenrir**, the giant wolf, symbolizes destruction and eruption; **Hel**, the goddess of the underworld, embodies protection and order. Following this mythological spirit, the project has constructed a highly coordinated dual-token system: **FENRIR (FNR)** and **FHEL (FHL)**. These two tokens carry entirely different roles within the economic model. Through differentiated usage paths, supply structures, and value bindings, they form a self-circulating ecosystem that balances growth and governance, yield and risk, security and freedom.

### 2.1 FENRIR (FNR): The Source of Power in Valhalla

**FENRIR (FNR)** serves as the primary token of the Valhalla Twins ecosystem. It is the

energy engine and value–expansion tool of the ecosystem.

- **Total Supply:** 1.5 billion
- **Initial Price:** \$0.03
- **Listing:** Launched on multiple centralized exchanges (e.g., XT.com)



FNR is primarily used to empower DeFi applications, especially staking and investment behaviors within the DAPP module. Users can stake or lock FNR to participate in various yield–generating features in the **Valhalla dApp Pool**, such as liquidity mining, fixed–period staking, and compounding investment schemes. FNR’s release strategy in the early phase relies on “staking output + market trading” to maintain a balance between asset growth and market participation.

As a “battle–type asset,” FNR also plays a critical role in the gaming ecosystem. Within

**Valhalla Game**, it is used for character development, skill unlocking, battle upgrades, and resource collection. Additionally, it fuels the **Vera Rune NFT soul-forging mechanism**—users may burn FNR to mint high-grade battle relics or limited-edition gear, forming a closed-loop consumption model based on use.

Crucially, FNR's growth model is designed to attract the market. Its issuance encourages **long-term staking and holding participation**, not short-term speculation.

Coordinated with the FHEL system, FNR enjoys high volatility rewards while remaining governed and constrained by FHL's stabilizing influence, mitigating systemic risk.

## **2.2 FHEL (FHL): Guardian of On-Chain Order**

Unlike FENRIR, FHEL (FHL) is the governance and settlement core of the ecosystem, responsible for **order, security, and protocol logic**.

- **Total Supply:** 21 million

- **Initial Price:** \$0.10
- **Trading:** Not available for open market trading; only circulated within the ecosystem through designated mechanisms.



As the second core token of Valhalla Twins, FHL is not intended for external speculation.

It focuses on internal governance and protocol coordination, with its use cases including:

1. **Withdrawal Fees:** Any asset withdrawal across Valhalla's ecosystem requires FHL to pay on-chain operation fees, discouraging frequent arbitrage.
2. **Staking & Burn Mechanism:** High-privilege actions—such as DAO proposals, insurance approvals, and cross-chain bridge operations—require staking and burning a certain amount of FHL to gain access or priority.

3. **Governance & Incentives:** FHL is the sole governance token. Holders can vote, submit proposals, and participate in governance via the **Twins Council**, receiving dividends and ecosystem income.
4. **NFT Governance Wands:** FHL can be staked to mint “**Guardian Badges**”, which are governance-type NFTs bound to a user’s DID identity, granting governance weight, airdrop priority, and decision-making power.

FHL is not a brute-force wealth generation tool—it is a **civilizational scepter**. Its scarcity and non-tradable issuance path give it high credit value and stability expectations. All systemic permissions and fund allocations must be authorized via FHL, effectively positioning it as a “**replacement currency**” for critical on-chain operations.

### **2.3 Dual-Token Synergy: Complementary, Interlocked, Co-Evolving**

The token system of Valhalla Twins is not a parallel structure—it is a **highly interlinked**

and counterbalanced dual model, reflecting a philosophical balance between “power and responsibility.”

- FNR represents explosive growth, driving user participation, investment, and transaction behavior—it is the **fuel of finance**.
- FHL represents stable regulation, used to control risk, enforce governance, and establish boundaries—it is the **guardian of order**.

This dynamic—one aggressive, one defensive—creates an ecological resonance via:

- **Liquidity Structure Synergy:**

FNR activates liquidity; FHL governs dividends and governance—both feeding into the **Twin Treasury** module.

- **Usage Behavior Binding:**

Battle, equipment upgrades, and summoning functions require FNR, but higher-level

actions and permissions increasingly depend on holding or staking FHL.

- **Mutual Restriction Mechanism:**

Without FHL approval, certain high-yield FNR strategies cannot be triggered.

Conversely, without enough FNR, users lack the voting weight to influence governance.

- **Circulation and Burn Dynamics:**

FNR is freely tradable but is frequently burned in soul-forging, NFT upgrades, and gameplay; FHL follows a deflationary model via fees and burns, enhancing its scarcity and authority.

This dual-token model avoids the typical pitfalls of single-token systems—like “usage leads to devaluation” or “hoarding leads to stagnation.” Instead, it fosters a balance between **broad participation and systemic control**.

## 2.4 Sustainability Design and Price Stabilization Mechanisms

To ensure long-term viability of the dual-token system, Valhalla Twins has implemented a multi-layered pricing and inflation control framework:

- FNR's release pace is regulated through staking durations and lock-up cycles to avoid excessive short-term selling pressure.
- FNR burn logic is deeply embedded in all NFT and gameplay features, ensuring constant supply reduction and natural deflation.



- FHL's non-tradable nature limits speculative interference, while its

governance/staking/proposal functions support organic distribution.

- The **Twin Treasury** conducts periodic **FNR buybacks** using project income to stabilize price and reinforce market confidence.
- A **dynamic fee system** ensures ecosystem revenue flows back into the system for dividends, buybacks, and reserves—anchoring token value over time.

**FENRIR** and **FHEL** are more than just tokens—they are the mythological forces that shape the Valhalla Twins world. In this system, users are not just “traders,” but **builders, governors, and storytellers**. Through holding, using, voting, battling, and choosing—they become part of the myth and central to the ecosystem’s evolution.

The true meaning of the dual-token mechanism is not just tokenomics—it’s a **chain-based embodiment of value, belief, power, and order**. Valhalla Twins aims to inject the FLOKI ecosystem with a sustainable, evolvable, and co-governed code of on-chain civilization.

# Chapter 3: Ecosystem Design

## — Multi-Dimensional Application Synergy, Building an On-Chain Mythological World

The **Valhalla Twins** ecosystem is centered around a dual-token mechanism and expands across DeFi, NFTs, blockchain gaming, and the metaverse. Each module is not just a tool but a vessel of mythological narrative and a mirror of user identity. What we are constructing is not merely a transaction network—but an on-chain civilization with cultural structure, governance logic, and the evolution of fate.

### 3.1 Valhalla DeFi: Battlefield Financial System

The DeFi module of Valhalla Twins is known as the **Battlefield Financial System**. Unlike traditional DeFi, which emphasizes rules and rationality, this system stresses “**action generates yield**” and the narrative of “**shaping fate through participation.**” Users engaging in staking, liquidity mining, compounding, or liquidation aren’t just investors—

they are warriors.

The primary DeFi platform is the **Valhalla dApp Pool**, powered by the synergy of the dual tokens:

- **Users stake FENRIR (FNR)** to access basic staking pools and compounding yield mechanisms.
- **High-yield pools** require **FHEL (FHL)** authorization to ensure protocol-level safety.
- **Pools support** auto-compounding, secondary rewards, and NFT-bound yield boosters.
- **High-risk strategies**, such as limited-time or high-APR pools, require approval from **FHL Vaults**.

This system strengthens the “**Asset—Authority—Governance**” tri-binding logic, where

yield is not just a function of capital but also the responsibilities and rights you take on within the system.

### 3.2 FHEL Vaults: The Intelligent Risk & Insurance System of Order

FHEL Vaults is the system's dedicated risk control mechanism for high-risk actions and compensation protocols. It is a key module for maintaining security in the entire ecosystem.

Its design is based on three core principles:



1. **Authorization Mechanism** — Any high-APR, high-leverage, or auto-execution contract must be authorized by FHEL holders before launch.
2. **Insurance Mechanism** — In Valhalla Game, if a user loses a battle, the system will auto-trigger compensation from

FHEL Vaults.

3. **Liquidation Mechanism** — If staking failures, trade conflicts, or slippage anomalies occur, the Vaults trigger arbitration contracts for auto-resolution, either compensating or freezing assets.

This significantly enhances system credibility, making FHEL not a symbolic governance token, but a true “engine of order.”

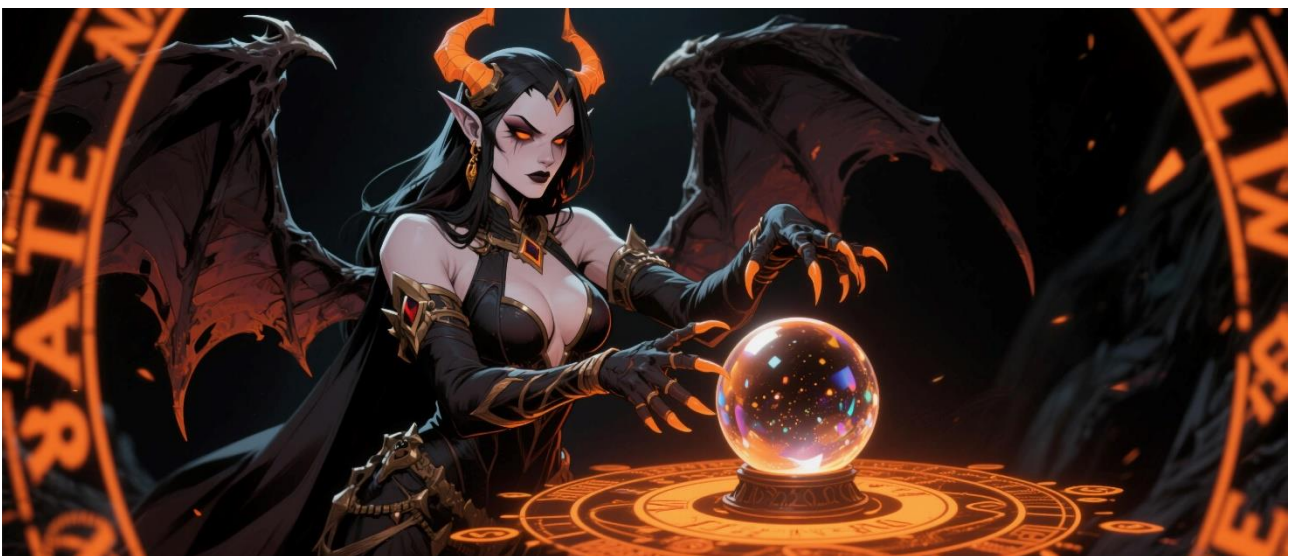
### **3.3 HEL Hash Prophecy: The Hela Hash Prophecy System**

There are oracles on the blockchain—we simply never heard them before.

The HEL Hash Prophecy is a mythological gameplay system combining prophecy mechanics, on-chain interaction, cryptographic puzzles, and narrative events. It fuses cryptography with mythology, injecting mystery and ritual into the ecosystem.

Key elements include:

- Every on-chain transaction, contract execution, or NFT transfer triggers a “Prophecy Event.”
- The system uses hash suffixes, wallet features, and time signatures to generate “Oracle Numbers.”
- Eligible users enter a “Prophecy State” and may receive NFTs, airdrops, special battles, or elevated governance rights.
- Some rare NFTs or DID upgrades can only be unlocked through specific prophecy tasks.



This mechanism transforms on-chain actions from data entries into **turning points of fate**, increasing immersion and ritualism.

### 3.4 Twins NFT: The Divine Asset System

In Valhalla Twins, NFTs are not just collectibles—they are **materialized divine powers** and components of a **character identity system**. Three core types of NFTs are designed, each tied to the dual-token system:

- **Vera Rune Relics** — Synthesized by burning FENRIR, these are battle-enhancing relics with on-chain stats like attack, penetration, and luck. They are tradable and upgradeable.
- **Guardian Badge NFTs** — Minted via staking FHEL, these bind to DID identities and grant DAO voting rights, proposal authority, airdrop priority, and governance level upgrades.

- **Oracle NFTs (Divine Awakening)** — Unlocked through prophecy events and task chains, these rare NFTs have special IDs and mythological names, enabling identity binding, node activation, and inheritance roles.

NFTs are not just assets—they are **symbols of mythological lineage**, granting storytelling, participation, and world-building rights.

### **3.5 Valhalla Game: Spirit Clash Chain Game**

**Valhalla Game** is the most interactive module of the ecosystem. It gamifies DeFi and NFTs, serving as a **mythological combat simulator**. The gameplay is built around three pillars: **Spirit Summoning, Battle Combat, and Equipment Upgrades**.

Key features include:

- **Spirit Summoning** — Combine FENRIR + FHEL to awaken new characters or mythic beasts with stats, rarity, and skills.

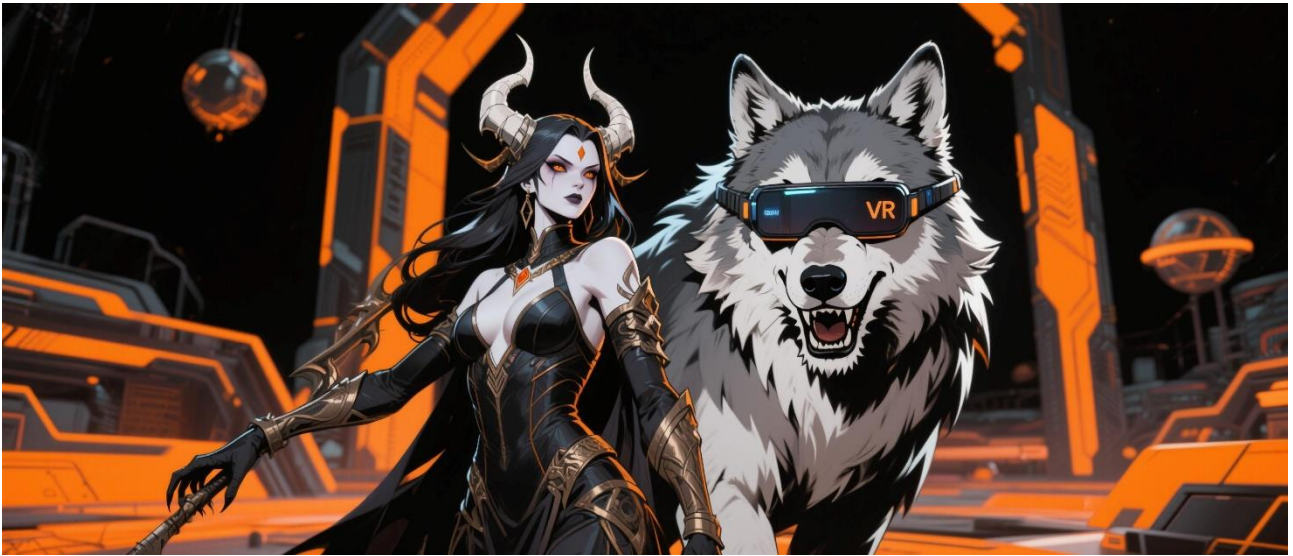
- **Dual-Token Combat** — Winners receive FENRIR rewards and NFT drops; losers are auto-compensated via **FHEL Vaults**.
- **Equipment Development** — FENRIR enhances attack/speed; FHEL boosts defense, luck, and skill-trigger probability.
- **Task Systems** — NFT levels are bound to quest lines; completing challenges unlocks characters, badges, and governance tiers.

This is not just a “play-to-earn” game—it is a **decision-based myth simulator**. Every battle is a narrative played out by your identity and role.

### **3.6 ValhallaVerse: Mythological Metaverse Construction Plan**

**ValhallaVerse** is a fully on-chain mythological world built on smart contracts and NFTs.

It's not an abstract map—it's a **governable, resource-rich, and ownable metaverse world**.



Core components include:

- **Land of Fate** — Limited divine zones represented as NFT land parcels. Owners can build temples, forge relics, mine resources. Land is scarce and yield-generating.
- **Twins Council (DAO Parliament)** — FHEL holders govern proposals, rule creation, and ecosystem planning. Governance rotates quarterly.
- **Divine Identity System** — Users awaken “Divine Identity” by meeting requirements such as FHEL staking, NFT holdings, or completing in-game tasks.

This unlocks exclusive DID IDs, governance ranks, and NFT gene codes.

ValhallaVerse is not a preset game world—it is a **living mythological laboratory** built by on-chain residents themselves.

### 3.7 Ragnarök Bridge & Twin Treasury: Cross-Chain and Fiscal Systems

To support multi-chain deployment, **Ragnarök Bridge** enables cross-chain operations of FENRIR and FHEL across Ethereum, BSC, and Base networks.

Additionally, the **Twin Treasury** is the ecosystem's public treasury governed by the DAO, tasked with:

- Executing community incentive plans
- Funding NFT airdrops, land auctions, and ecosystem development
- Providing reserves for extreme market conditions

- Automatically buying back FENRIR and injecting DEX liquidity

This **treasury is both fuel and firewall**, ensuring resource security and anti-risk capabilities as the project scales.

### Summary: Ecosystem is Fate, Building is Belief

Valhalla Twins is more than a modular blockchain project—it is a true “on-chain myth-building movement.”

From FENRIR’s explosive power to FHEL’s structured governance, from evolving NFTs to metaverse territorial blueprints, every user is not just a participant but a divine elect, rule maker, and civilization builder.

In this system: Participation = Belief; Construction = Identity

- The ecosystem is not cold commercial logic—it is proof of your real existence in the world of blockchain.

# Chapter 4: Organizational Structure and Team Background

## — From Genesis Council to Global Collaboration: A Decentralized Coordination

### System

Valhalla Twins is not only a robust on-chain ecosystem—it is also a well-structured, clearly defined **collaborative governance network**. To ensure long-term development, security, sustainable governance, and global implementation, the project has established a multi-tier organizational framework consisting of the **Genesis Council**, **Foundation**, **Technology Lab**, **Syndicate Guild**, and **Global Advisory Board**.

This structure follows the principles of **checks and balances**, **technology-first**, and **community-led governance**, ensuring stability and progressive evolution within the ecosystem.

## 4.1 Valhalla Genesis Council

The **Valhalla Genesis Council** is the founding body of the project, composed of core FLOKI developers, ecosystem leaders, and early community governors. It is positioned as the strategic planning and top-level oversight entity for the entire ecosystem.

Key responsibilities include:

- Setting the overall architecture and upgrade path of the project
- Reviewing proposals before the launch of key protocols
- Granting deployment permission for core modules (e.g., Vaults, Launchpad, cross-chain bridge)
- Overseeing strategic partnerships with third-party institutions
- Organizing and validating on-chain voting for key community proposals
- Monitoring the actions of the Valhalla Foundation and Twins DAO to ensure

alignment with original values

The Genesis Council does not interfere in day-to-day operations or user interactions but holds **veto power on major decisions**, acting as the creator and protector of the “meta-rules” of the ecosystem.

## 4.2 Valhalla Foundation

Registered in the Cayman Islands, the **Valhalla Foundation** serves as the legal and compliance entity of the project, acting as custodian of assets and liaison with regulatory bodies.

Core responsibilities:

- Managing token issuance, vesting, buybacks, and circulation strategies
- Representing the project in dealings with auditors, legal firms, and regulators
- Coordinating negotiations with global exchanges and venture capital institutions

- Holding multisig permissions for key contracts (monitored by the Genesis Council)
- Managing the on-chain distribution and budgeting of **Twin Treasury**, including public audit reports
- Supporting DAO mechanisms by designing governance standards, voting models, and compliance boundaries

The Foundation operates as a **non-profit structure**, with members drawn from the FLOKI core architecture team and legal advisors, ensuring all actions are legal, transparent, and ethically governed.

### **4.3 Runecode Labs**

**Runecode Labs** is the core technical development and maintenance team of Valhalla Twins. Headquartered in Europe with branches in Singapore and the U.S., it is the

powerhouse behind the ecosystem's technical infrastructure.

Formed by top-tier developers from **Polygon, ConsenSys, Illuvium, and Riot Games**, the team spans areas such as protocol development, smart contract security, game engine building, NFT modeling, and frontend interaction.

Key responsibilities:

- Designing, deploying, and upgrading dual-token smart contracts
- Implementing NFT systems, DID protocols, and prophecy mechanics on-chain
- Developing game engines, battle systems, and equipment logic for **Valhalla Game**
- Modeling metaverse land systems, governance maps, and character growth logic
- Performing smart contract integration audits and coordinating with security firms

like CertiK and SlowMist

- Designing dApp UI/UX and managing cross-chain bridge interfaces

The Runecode Labs tech governance team reports major milestones regularly to the Genesis Council to ensure network security and transparency of updates.



#### 4.4 Twins Syndicate

**Twins Syndicate** is the global community alliance of Valhalla Twins, composed of senior FLOKI community leaders, node operators, market advisors, and language managers from 12 countries and regions. It is the main force behind the project's global operations. Core objectives center around:

- **Global outreach:** Localized community deployment in Southeast Asia, Japan/Korea, Europe, the Middle East, and Latin America
- **KOL network building:** Partnering with regional crypto influencers, content warriors, and ecosystem promoters
- **NFT campaigns and AMAs:** Organizing airdrops, whitelist distribution, game testing, and creator incentives
- **Multilingual support:** Localizing websites, documentation, and games for cultural adaptation
- **DAO activation:** Supporting regional DAO communities to foster grassroots governance
- **Offline consensus events:** Hosting meetups, hackathons, creator festivals, and ecosystem summits

The guild operates under a **modular autonomy + multi-node coordination** model, with internal groups for governance, KOL management, content review, and brand alignment.

## 4.5 Advisory Board (Key Members)

Valhalla Twins is supported by a team of globally recognized advisors with expertise across DeFi, security, gaming, governance, marketing, and strategic development.

- **Erik Voorhees**

Former CEO and founder of ShapeShift, a leading voice in DeFi libertarianism. Deeply involved in decentralized exchange protocols. Now Chairman of the Valhalla Twins Advisory Board, assisting in governance design and cross-chain strategy.

- **Yuuko Tanaka**

Former Business Development Lead at Polygon Japan. Focuses on Asian market expansion and regulatory compliance in Japan, Korea, and Singapore.

- **Kieran Warwick**

Co-founder of Illuvium and GameFi expert. Specializes in gaming economy and NFT ecosystem design. Advises on Valhalla Game's core mechanics.

- **Daniel Wang (Dong Wang)**

Founder of Loopring and former Google engineer. Expert in Layer 2 and zk-rollups. Provides auditing support and guidance for on-chain contract verification.

Advisors participate through a mix of direct involvement and governance NFT holding.

Some hold observer seats in the Foundation to ensure technical, community, and market directions remain aligned.

## **4.6 Core Team Members (Valhalla Core)**



The Valhalla Twins core team brings together top-tier talent from

Web3, gaming, economics, and financial engineering. Members are distributed across

the U.S., U.K., Germany, the Netherlands, and the Nordic regions.

- **Nathan R. Caldwell (Co-founder & Project Lead)**

Master's in Financial Engineering, UC Berkeley. Former SVP of Market Expansion at Coinbase. Led multiple crypto ecosystem builds. Architect of Valhalla Twins' commercial model and dual-token framework.

- **Elena Weissmann (Co-founder & Head of Product)**

Ph.D. in Digital Interaction from TU Berlin. Former Product Director at Illuvium. Expert in gamified design and user retention. Leads Valhalla Game and NFT system development; one of the first to propose "on-chain mythological structures."

- **Owen Leclair (Chief Technology Officer / CTO)**

Cambridge University Computer Science graduate. Former core developer at Polygon Labs; contributed to zkEVM development. Leads contract framework, **Ragnarök Bridge**,

and game battle logic.

- **Amélie Fortin (Chief Marketing Officer / CMO)**

French Web3 marketing strategist. Former community expansion consultant at Aave and dYdX. Oversees global community operations, brand promotion, and was a key architect of **Twins Syndicate**.

- **James Holloway (Tokenomics Lead)**

Oxford graduate in Applied Mathematics and Economics. Former member of MakerDAO's stable mechanism research group. Designs token deflation and liquidity strategies; architect of FHEL's non-tradable governance model.

- **Tobias Nyström (Game Systems Architect)**

Co-founder of Ironhide Games (Sweden), later joined Immutable X as GameFi advisor.

Leads P2M mechanics and NFT drop logic for Valhalla Game, integrating economy and

narrative.

- **Sophia Vega (Smart Contract Security Lead)**

Spanish, former Chief Auditor at CertiK. Specialist in EVM chain security and contract sandbox testing. Sets security standards for Runecode Labs and interfaces with external audit firms.

- **Liam Brooks (DAO Governance Coordinator)**

Irish, M.A. in Political Economy, University College Dublin. Contributed to governance frameworks for Aragon and ENS DAO. Leads Twins DAO architecture, voting models, and incentive structures.

These members are not just specialists—they are **myth engineers** capable of weaving narrative, technology, economy, and community into a unified system. They are the architects of the Valhalla Twins ecosystem.

# Chapter 5: DAO Governance System

## — A Co-Governance Experiment of Decentralized Oracular Order

The ultimate goal of **Valhalla Twins** is not merely to build a collection of financial products, but to create a **self-governing, evolving, and user-driven on-chain civilization**.

To achieve this, the project introduces a **highly modular DAO governance system**, designed across dimensions such as token weighting, proposal structure, voting mechanisms, and incentive models. This ensures that community members are not only participants—but also **governors and storytellers**.

This system uses the **FHEL token** as the core governance credential and integrates **NFT levels, DID identity systems, and activity tiers** to form a fully on-chain governance mechanism that balances power, responsibility, and incentives.

### 5.1 Governance Logic & Proposal Mechanism

Valhalla Twins adopts a **Narrative Governance Model**—combining proposal rights, voting rights, and mythological storytelling to turn governance into a **collective decision** about destiny.



- **Core Governance Modules**

The governance system consists of three major components:

**Twins Council (Divine Assembly):**

Composed of FHEL holders who have completed Divine Identity (DID) activation. This is the highest decision-making body, with proposal and voting rights.

### Proposal Classification Mechanism:

Proposals fall into three categories:

**Protocol Proposals:** Technical changes such as cross-chain deployments, Vaults, DAPP parameters

**Ecosystem Proposals:** NFT issuance strategy, game drop rates, airdrop allocation optimization

**Financial Proposals:** Treasury allocation, ecosystem incentive budgeting

### On-Chain Proposal Threshold:

Proposers must stake at least **100 FHEL** or hold **Level 2+ governance NFTs**

Each proposal must gather pre-signatures from at least 7 FHEL holders to enter voting. This design ensures deep community engagement, prevents governance stagnation or whale domination, enhances community immersion through narrative-

themed proposals.

## 5.2 Participation Threshold & Voting Mechanism

To balance governance quality with inclusivity, Valhalla Twins introduces a **multi-tiered voting system** using tokens, NFTs, and user activity levels.

### ▪ Basic Requirements

- **Minimum Voting Right:** Hold  $\geq 10$  FHEL or any governance-type “Guardian Badge” NFT
- **Advanced Governance Rights:** Divine Identity +  $\geq 100$  FHEL = weighted voting rights

### ▪ Voting Process

- Voting takes place via on-chain Snapshot-style signatures
- Each vote has a “dynamic governance window” (typically 3–7 days)

- Users may use **standard voting** or **delegated trust voting** (vote by proxy)
- Voting power = FHEL amount × NFT level × activity index

- **Dual-Channel Constraints**

- **Execution Delay:** No proposal can be executed within 24 hours of launch, allowing objection time
- **Governance Circuit Breaker:** If voting is unusually concentrated or controversial, a “**Secondary Review Proposal**” is triggered, requiring **Genesis Council** approval

This mechanism enhances fairness, protects against manipulation, and enforces a governance model where “**weight comes from trust, and outcomes from consensus.**”

### **5.3 Governance Incentive Model**

To continuously encourage DAO participation, Valhalla Twins establishes an incentive system based on **FHEL staking, NFT activity, and community contributions**—turning

governance into an **accumulative on-chain asset behavior**.

#### ▪ Twin Karma System

Users receive **Twin Karma Points** for governance-related actions:

- Proposal submission: +20 to 100 pts
- Valid vote: +10 to 50 pts
- Interacting with the Prophecy System: +5 pts per action
- Holding governance NFTs: +2 pts/day
- Attending AMAs or community events: +15 pts

**Karma Points** can be used to:

- Unlock governance NFT upgrades
- Receive special airdrops from Twin Treasury

- Gain priority access to new IFO projects
- Compete for **core council seats** in DAO governance

#### ▪ Governance NFT Evolution

“Guardian” NFTs are divided into four levels based on holding duration, Karma points, and staking volume:

- **Lv.1:** Basic voting rights
- **Lv.2:** Can initiate proposals
- **Lv.3:** Weighted votes and secondary review rights
- **Lv.4:** Cross-project governance access (for future ecosystem expansions)

This **upgradeable governance NFT system** boosts user motivation and gives participants a sense of “**promotion and identity**” in the governance structure.

## 5.4 Co-Governance Rules & Consensus Model

Governance should not only be about rights—but about **culture, narrative, and belief**.

Valhalla Twins aims to establish a **co-governed civilizational order** led by community, driven by culture, and connected by trust.

- **Core Cultural Beliefs of Governance**

- Power is earned, not bought
- Shared divinity, co-built rules, collective storytelling
- Governance is not just decision-making—it's **participating in fate**

- **Community Consensus Mechanism**

A “**Community Consensus Festival**” is held quarterly. Regional communities under **Twins Syndicate** present governance reports, strategic retrospectives, and future direction proposals—facilitating global, cross-cultural dialogue on shared values.

A “**Proposal Template Library**” will be open-sourced to empower non-technical users to submit proposals on cultural, educational, and NFT narrative themes—turning DAO into a **co-creation platform**, not just a protocol adjustment system.

- **DAO Enforcement & Arbitration**

To prevent malicious proposals or manipulation, a “Governance Watch Group” appointed by the Genesis Council will act as on-chain enforcers. They have the authority to suspend proposals or initiate arbitration, backed by on-chain FHEL holder co-signatures. Valhalla Twins’ DAO system is not merely a technical implementation of decentralization—it is a civilizational practice inspired by mythology and grounded in responsibility. Here, governance is not a feature—it is a multi-dimensional identity system, a path of user self-actualization, and a ritual of collective fate-making for every life on-chain.

## Chapter 6: Development Roadmap

### — From Mythical Seed to Civilizational Evolution

The birth of Valhalla Twins is not a coincidence, but a natural continuation of FLOKI's journey—from a cultural experiment to a financial narrative. Its development path traces a decentralized evolution from community consensus, through technological trials, to a globally interconnected ecosystem.



## 6.1 Historical Progress and Current Stage

### 2021: FLOKI's Origin and Rise

- **Q2 2021:** Inspired by Elon Musk, FLOKI was launched and quickly became a global symbol of meme coin culture, attracting a large decentralized community.
- **Q3–Q4 2021:** Listed on multiple major exchanges; deployed on both BSC and Ethereum chains, establishing its technical foundation.
- **2022:** Built FLOKI's global community base and proposed the “Metaverse + DeFi” expansion vision, setting the blueprint for the Valhalla series.

### 2023: Early Formation of the Valhalla Metaverse

- **Q1:** Official announcement of the Valhalla Metaverse, introducing NFTs, GameFi, and Play-to-Earn mechanics—marking FLOKI's shift toward utility.
- **Q3:** Launch of Valhalla Alpha, featuring basic combat and character growth

systems.

- **Q4:** Release of Vera NFTs, equipment system, and initial reward models.
- **Early 2024:** Launch of Valhalla Beta with enhanced gameplay and NFT marketplace integration.

#### Q4 2024: Initiation of the Valhalla Twins Project

- FLOKI's core developers propose a "dual-token model," with FENRIR and FHEL at its core, forming a new financial sub-ecosystem.
- Officially named **Valhalla Twins**, the project embodies the dual forces of destruction and order through token design and financial narrative.
- Completion of tokenomics, governance framework, technical roadmap, and community architecture. Project fundraising and team formation initiated.

## 6.2 Annual Roadmap (2025–2026)

2025

- **Q2:** Begin smart contract deployment and internal testing of FENRIR and FHEL; introduce initial staking logic and limited community trial.
- **Q3:** Launch the **Valhalla dApp Pool**, enable FENRIR staking, and list on XT exchange; roll out **FHEL Vaults** to activate on-chain risk control and governance incentives.
- **Q4:** Begin internal testing of **Valhalla Game** combat; release Vera Rune NFTs, equipment, and land modules; launch **Twins NFT minting** and DAO governance system.

2026

- **Q1:** Release the **Ragnarök Bridge** to support dual-token interoperability across

Ethereum, BSC, and Base.

- **Q2:** Launch the **F-Twin Launchpad**, enabling dual-token staking for new project participation.
- **Q3:** Integrate the **DID Identity System**, linking NFTs, governance tiers, and asset systems.
- **Q4:** Publish **Ecosystem Blueprint 2.0**, outlining cross-chain financial network structures and future modular expansion.

### 6.3 Long-Term Vision (2027 and Beyond)

- Enable **Real-World Asset (RWA) Mapping**, linking on-chain finance to metaverse real estate and tangible digital assets.
- Introduce **AI-driven combat and generation**, with automated character creation, skills, and battle scenarios.

- Establish **global DAO governance zones**, allowing localized community governance.
  - Fully integrate with FLOKI's mainnet, embedding the twin tokens within FLOKI's parallel financial architecture.
- 

**Summary:** Valhalla Twins is not just a technical project—it is the rebirth of FLOKI's spirit within a **civilizational on-chain system**. From meme origins to metaverse prototypes to deep financial structures, its trajectory is user-driven, story-powered, and asset-autonomous—pointing toward a new encrypted future.

# Chapter 7: Legal Compliance and Risk

## Disclosure

— The Foundation of Transparency, Compliance, and User Trust

From inception, Valhalla Twins has prioritized compliance, user asset security, and transparent governance. In the face of evolving global crypto regulations, we operate with the principles of **robust structure, auditable models, and cross-border legality**, establishing a legal foundation to support long-term project sustainability.

At the same time, we acknowledge the inherent risks of the crypto industry. This chapter outlines the project's legal structure, compliance paths, and complete risk disclosures, informing users of their rights, responsibilities, and necessary precautions.

### 7.1 Legal Structure Overview

Valhalla Twins employs a multi-layered legal architecture to ensure that technology,

governance, and token models comply with jurisdictional laws.

### **Core Legal Entity: Valhalla Foundation**

- **Registered in:** Cayman Islands
- **Type:** Non-profit Web3 compliance foundation
- **Responsibilities:** Token model design, asset custody, governance coordination, legal representation, and protocol licensing

The foundation serves as the legal shell for the Valhalla Twins ecosystem, ensuring dual-token models, DAO structures, and NFT issuance comply with international legal frameworks. It also represents the project in communications with regulators, exchanges, and auditing firms.

**Technical Developer: Runecode Labs**

- Independent team based in Europe with legal operational credentials
- Responsible for smart contract development, testing, auditing, and updates
- All contracts controlled by multisig wallets to prevent unilateral changes or unauthorized operations

#### DAO Governance:

- Operated by **Twins Council**, with all community actions on-chain and verifiable
- Reviewed by the Valhalla Foundation to ensure alignment with governance charter

## 7.2 Project Compliance Path

In response to varying regulatory standards across jurisdictions, Valhalla Twins is executing the following compliance steps:

1. Partnering with legal counsel in crypto-friendly regions like **Cayman Islands**,

## Dubai, and Singapore

2. Deploying **KYC/AML systems** before token issuance, with geo-compliance safeguards
3. Submitting FENRIR and FHEL contracts to **CertiK and SlowMist** for security audits
4. Proactively engaging with top exchanges and submitting legal documentation and self-assessment reports
5. Establishing a **Community Audit Committee** within the DAO to develop a

## Governance Compliance Scorecard

Compliance is an evolving journey. Valhalla Twins commits to continually updating its governance framework, asset structures, and public documentation in accordance with global regulatory changes.

## 7.3 User and Investor Risk Notice

As an open–source financial ecosystem on a public chain, Valhalla Twins involves both industry–wide and unique risks. Participants should understand the following risks before engaging:

- **Token Price Volatility**

Prices of FENRIR and FHEL may experience extreme fluctuations due to market supply/demand, liquidity, and external events—potentially leading to losses or devaluation.

- **Technical and Smart Contract Risks**

Despite internal and third–party audits, unpredictable vulnerabilities or contract exploits may result in loss of assets or disruption of services.

- **Governance Attack Risks**

If user participation is low, decentralized governance can be dominated by whales, leading to proposal manipulation or misalignment with community goals.

- **Regulatory and Policy Uncertainty**

Some jurisdictions may restrict or ban crypto assets, NFTs, or DAO structures. Users are responsible for understanding local laws and bearing associated risks.

- **Liquidity Risk**

In early phases, liquidity may be unstable—leading to shallow order books or illiquid assets. While Valhalla Twins will improve liquidity mechanisms and governance transparency, users must exercise independent judgment.

## Appendix & Disclaimer

This section concludes the *Valhalla Twins Whitepaper* and clarifies the document's scope, legal boundaries, and risk disclosures.

- **Use of Whitepaper:** For informational purposes only; does not constitute investment advice or legal obligation.
- **Legal Structure:** Operated by Valhalla Foundation (Cayman Islands); developed by Runecode Labs; governed by Twins Council.
- **Smart Contracts:** All actions are on-chain, controlled by multisig wallets, and auditable.

### Risk Disclosure:

Engagement in this project entails risks, including but not limited to:

- Market volatility of token prices
- Smart contract vulnerabilities and attack surfaces
- Governance abuse or low participation
- Legal uncertainties due to regional policy changes

Users must make informed decisions and assume full responsibility for any outcome.

#### Information Updates & Disclaimer:

Content may evolve with project development. The whitepaper does not represent a legally binding agreement. Any significant changes will be publicly disclosed via:

- Official site: <https://valhallatwins.com>
- Twitter: <https://x.com/ValhallaTwins>
- Telegram: <https://t.me/ValhallaTwins>

- YouTube: <https://www.youtube.com/@TVALHALLAWINS>

Thank you to all community members for your support and dedication to Valhalla Twins.