



REALVERSE

Not just pixels. Real assets. Real returns

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1. EXECUTIVE SUMMARY

Realverse: Bridging the Physical and Digital Worlds of Asset Ownership

Realverse is a blockchain-based digital real estate platform that transforms physical properties into NFTs (Non-Fungible Tokens), enabling fractional ownership and seamless peer-to-peer trading for everyone. By digitizing and unlocking the liquidity of traditionally static and high-barrier assets like real estate, Realverse introduces a revolutionary shift in asset investment—accessible in real-time through a web-based interface.

The platform structures property title data, appraisal reports, and rental income models into smart contracts, and transparently reflects the real-time status of each asset through IPFS-based storage and oracle integration. This enables Realverse to lower the barriers to entry for real estate investment while ensuring both profitability and security.

Key Features:

- Fractional ownership through NFTs backed by physical assets
- Automated distribution of rental and capital gains to NFT holders
- Legal title integration through certified registration and notarization
- Automated settlement and circulation via smart contracts
- Token issuance strictly limited to the value of minted NFTs (no pre-allocation)

By merging the decentralization of blockchain with the stability of real estate, Realverse allows anyone to participate in the real-world economy. Every step—from asset registration, platform verification, NFT minting, and revenue sharing to secondary market trading—is recorded transparently on-chain, providing legal protection and trust to all participants.

“Not just pixels. Real assets. Real returns.”

Realverse is not just another metaverse real estate project—it’s a decentralized finance (DeFi) model rooted in realproperty.





Realverse Solves:

- The high entry barriers and complexity of traditional real estate investment (high capital, complex paperwork, low liquidity)
- Geographic restrictions and information asymmetry
- Lack of transparency in ownership and profit distribution

Realverse Delivers:

- Automated profit sharing and transparent transaction records via smart contracts
- Access to diverse real-world assets across multiple countries
- Future DAO governance for a community-driven ecosystem

One of Realverse's most defining features is that RVC tokens are only minted at the point of NFT issuance, and cannot be arbitrarily created by the company or any third party. Tokens are issued only in proportion to the value of NFTs sold, and 100% of them are allocated to the buyers. This ensures maximum decentralization and transparency, eliminating risks of token overissuance or market manipulation.

Looking ahead, Realverse will expand its asset portfolio through global partnerships with legal networks, certified appraisers, real estate developers, and financial institutions—positioning itself as the international standard in asset-backed NFT finance.

This whitepaper provides a detailed explanation of Realverse's technological foundation, business model, revenue structure, legal assurance mechanisms, and future expansion strategy.

2. MARKET PROBLEM & OPPORTUNITY

2.1 Structural Limitations of the Traditional Real Estate Market

Real estate has long been considered a safe and stable asset class, yet its market structure remains closed and opaque. For small-scale or global investors, access to real estate remains difficult, and traditional investment methods are hindered by several structural issues:

- **High Entry Barriers:** Initial capital requirements range from tens of thousands to millions of dollars, making it difficult for individual investors to participate.
- **Legal and Administrative Complexity:** Varying systems across countries complicate procedures such as property registration, tax compliance, and legal consultations.



- **Limited Liquidity and Exit Options:** Property sales often take several months, making immediate cash conversion nearly impossible.
- **Information Asymmetry:** Access to accurate appraisals and due diligence data is limited, often resulting in a lack of transparency.

These challenges are particularly pronounced in non-metropolitan areas, developing nations, and emerging markets, further limiting investment accessibility.

2.2 Global Real Estate Market Transformation and Growth Potential

As of 2023, the total value of global real estate assets is estimated at \$330 trillion, surpassing the combined size of equities, bonds, gold, and cryptocurrencies. Yet, less than 0.1% of these assets are available for fractional ownership or online trading.

- **Traditional Model:** Indirect investment through REITs and real estate funds remains dominant, but it does not grant actual ownership.
- **Web3-Based Asset Models:** Emerging alternatives include NFT and blockchain-based fractional ownership with automated revenue sharing via smart contracts.

According to recent industry reports, the physical asset-backed NFT market is projected to reach approximately \$1.4 trillion by 2030, with real estate NFTs expected to comprise over 60% of that value.

2.3 Realverse's Market Opportunity Strategy

Realverse aims to address these market inefficiencies and capitalize on the following opportunities:

- **Acceleration of Real Estate Digitization Worldwide:** Regulatory frameworks are gradually easing, and legal recognition of NFTs and digital property rights is expanding across jurisdictions.
- **Shifting Investor Demand:** There is surging demand for digital assets that offer greater liquidity, transparency, and real-world returns.
- **Web3 Integration of Physical Assets:** As the boundary between the digital economy and the real economy continues to blur, Realverse is positioned to lead the real estate-backed NFT revolution.

Quantitative Opportunities:

- First-mover advantage in a rapidly growing segment
- RVC token model with no corporate pre-allocation (minted only upon NFT issuance)
- A fully decentralized distribution model centered on NFTs, ensuring scalable and community-led expansion



COMPARATIVE TABLE: TRADITIONAL REAL ESTATE VS. REALVERSE NFT INVESTMENT

Comparative Analysis: Traditional Real Estate vs. Realverse NFT-Based Investment

Category	Traditional Real Estate Investment	Realverse NFT-Based Investment
Entry Barrier	High (requires tens of thousands to millions in capital)	Low (accessible from approximately \$100)
Liquidity	Very low; transactions take months	High; real-time trading via NFT marketplaces
Legal Complexity	Complex legal, tax, and registration processes	Simplified via smart contracts and legal notarization integration
Information Access	Limited and asymmetrical	Fully transparent with blockchain records and appraisal reports
Profit Distribution	Manual and often delayed or unclear	Automated through smart contract-based distribution mechanisms

Realverse offers an innovative alternative to legacy real estate systems by digitizing legally-backed ownership, reducing barriers to entry, and ensuring transparency and efficiency through blockchain technology.

3. VISION & CORE VALUES

3.1 Vision

“To become the Web3 real estate gateway where anyone can safely invest in real-world assets worldwide.”

Realverse's vision goes beyond building a digital real estate platform. It aims to democratize participation in global real asset investment by unlocking liquidity in traditionally illiquid markets. By leveraging blockchain technology, Realverse aspires to establish a decentralized global asset ecosystem where anyone can invest in physical real estate with transparency, security, and affordability



3.2 Mission

Establish a secure bridge between physical assets and blockchain technology

Provide trust and transparency in asset investment

Enable fractional investment in global real estate for small-scale investors

Automate profit distribution and asset circulation through smart contracts

Build a globally recognized standard model for the real estate NFT market

3.3 Core Values

Realverse operates based on five foundational core values:

1. Transparency

All asset transactions, ownership transfers, and revenue distributions are recorded on the blockchain. Property registration details, rental yields, and verification reports are made public through IPFS-based documents.

Investors have full access to appraisal reports, legal reviews, and certified ownership documentation.

2. Accessibility

Anyone can purchase real estate NFTs starting from as little as \$100.

The platform is globally accessible via web interfaces and optimized through mobile applications.

A multi-language, multi-jurisdictional authentication framework reduces barriers such as language, currency, and regulation.

3. Credibility

All listed properties undergo verification by certified appraisers and legal professionals.

Integration with national property registries and notarization ensures legal safety and compliance.

RVC tokens are minted only at the time of NFT issuance and in proportion to the issued value, preventing market distortion and maintaining supply integrity.

4. Sustainability

Realverse is built for long-term sustainability by prioritizing a community-driven ecosystem powered by DAO governance. The platform ensures token value is backed by real economic activity, such as rental income and capital gains from property sales. Additional revenue streams—such as platform fees, liquidity provisioning, and partnership-based expansion—support a stable and scalable long-term business model.



5. Innovation

Realverse applies Web3 technology to real-world real estate, automating the processes of asset tokenization, settlement, and verification.

Implements next-generation verification technologies such as oracle integration, GPS data, and drone-based site inspections

Designs a globally standardized API, enabling interoperability with external exchanges, DAO platforms, and real estate partners

Establishes a secure, verifiable, and modular structure that supports seamless integration across the decentralized economy

3.4 Core Value Implementation Strategy

Realverse does not treat its values as abstract philosophy. Instead, they are structurally embedded into the technical, legal, and operational foundations of the platform. This approach builds trust not only among investors, but also across a broad network of stakeholders including legal partners, appraisal firms, and government institutions.

- Transparency → On-chain transaction records + publicly accessible IPFS documents
- Accessibility → User-friendly UI/UX + cross-platform support
- Credibility → Legal verification + token issuance strictly tied to NFT minting
- Sustainability → Revenue-generating model + community-driven operations
- Innovation → Global API integration + next-generation asset verification technologies

Building on this structural foundation, Realverse aims to establish itself as a global real-world asset platform for the Web3 era—delivering a transparent and sustainable real estate ecosystem centered around the investor experience.

- Transparency: All transaction records and profit distributions are permanently recorded on the blockchain.
- Accessibility: Enables fractional ownership of global real estate assets with investments starting from as little as \$100.
- Legitimacy: NFTs are issued based on legally compliant property registration systems tailored to each country.
- Profitability: NFT holders receive returns from real asset income, including rental revenue and capital gains.



4. REAL ESTATE NFT STRUCTURE & ISSUANCE

The Realverse platform digitizes the legal ownership, appraisal data, and income structure of real-world assets onto the blockchain and issues them in the form of NFTs. These NFTs are structured as either fractional ownership certificates or membership-based rights, depending on the applicable legal framework of each jurisdiction. The system is designed to be flexible and legally adaptable across different countries.

4.1 NFT Issuance Overview

Realverse NFTs are not merely digital tokens—they serve as asset-backed certificates directly linked to physical properties. The issuance structure follows these key steps:

- **Asset Registration:** Property owners or legal entities apply to register their assets on the Realverse platform
- **Due Diligence & Verification:** Appraisal valuation, legal title verification, and on-site inspections are conducted
- **Smart Contract Generation:** Property data, income structure, and distribution logic are encoded into a smart contract
- **NFT Minting:** NFTs are minted based on the verified asset and issued in quantities available for investor purchase
- **Marketplace Listing:** The NFTs are made available for trading on both external exchanges and the Realverse marketplace

4.2 Equity or Membership-Based NFT Models

To comply with diverse legal environments, Realverse offers two flexible NFT models:

- **Equity-Based Model:** NFT holders own a fractional equity stake in the underlying real estate and receive a proportional share of rental income and capital gains
- **Membership-Based Model:** NFTs represent usage rights (e.g., access privileges, time-bound occupancy, or profit-sharing entitlements) rather than legal ownership

This dual-structure approach allows Realverse to remain compliant in countries with restrictive or unclear regulations regarding NFTs or STOs (e.g., the United States, China, Indonesia). Local legal counsel is engaged to ensure lawful deployment and platform adaptability across global markets.



4.3 Smart Contract Structure & Metadata Design

Each NFT issued on the Realverse platform contains detailed, verifiable metadata tied to the physical asset. The smart contract structure includes:

- Embedded property data: asset ID, location, area, appraised value, and more
- Automated revenue distribution based on NFT holding ratio (for equity-based models)
- Usage period and terms clearly defined for membership-based NFTs
- All transactions are transparently recorded on the blockchain

4.4 Minting Policy & Token Integration

RVC tokens are minted only at the point of NFT issuance, with the quantity automatically calculated based on the actual purchase value of the NFT. As a result:

- The platform does not pre-mint or pre-hold any RVC tokens
- All minted RVC tokens are fully allocated to the NFT buyer
- This structure ensures maximum decentralization and transparency in token circulation

4.5 Investor Protection & Legal Compliance Process

To protect investors and ensure legal robustness, Realverse implements the following procedures:

- All assets must be reviewed and verified by licensed appraisers and legal professionals
- Depending on the country, notarization or trust structures may be applied to enforce legal protection
- In jurisdictions with legal risks or restrictions, the NFT may be limited in functionality or structured as a membership-based token

Realverse conducts thorough analysis of each country's legal frameworks, investor protection requirements, and regulatory viability. By doing so, it delivers a flexible and compliant NFT structure tailored to each region—establishing itself as a trusted Web3 platform for real-world asset investment on a global scale.





5. TOKENOMICS

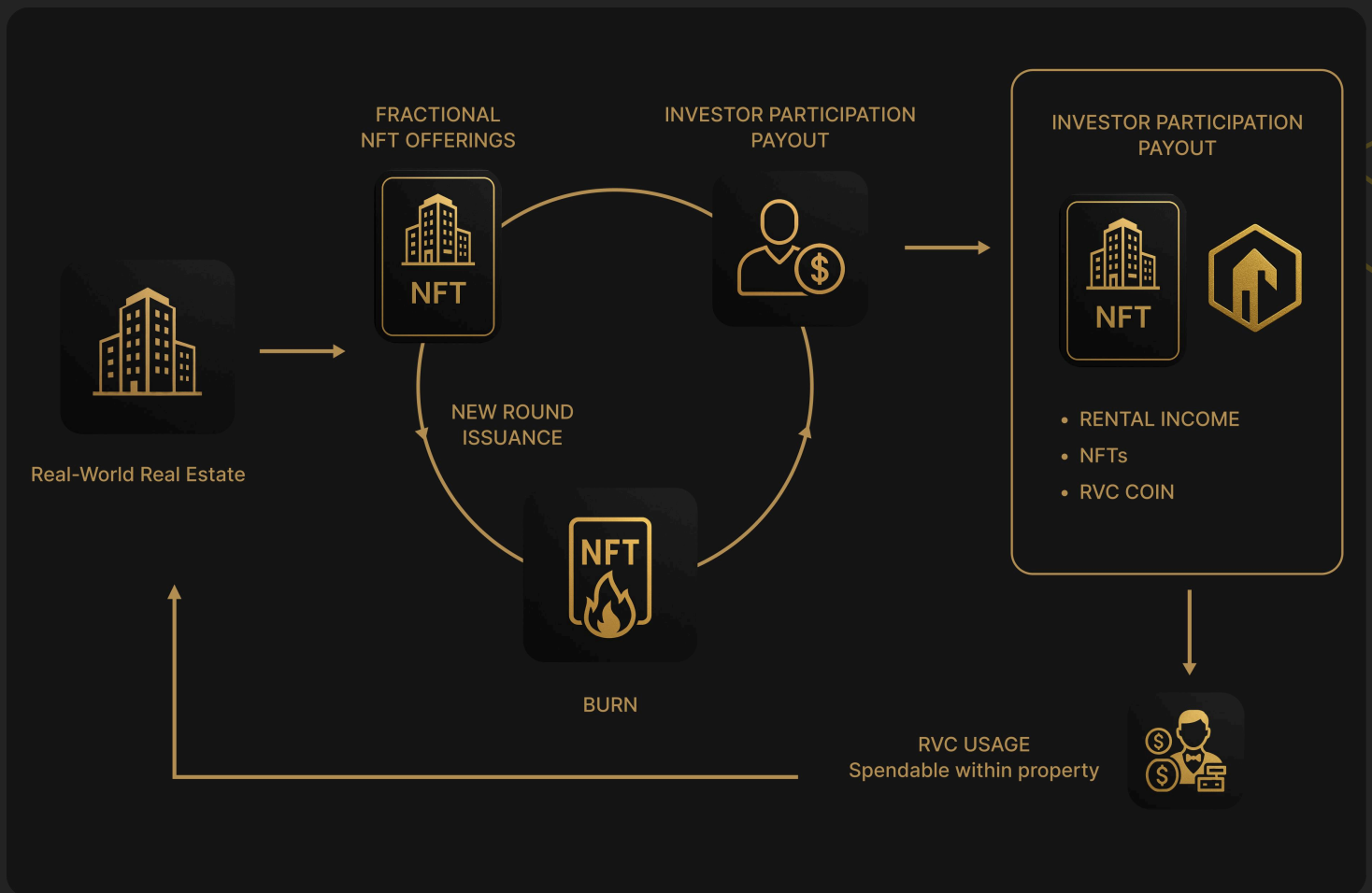
5.1 Core Principles

Realverse's tokenomics go beyond a conventional cryptocurrency issuance model. Instead, it is built around a decentralized financial structure directly tied to real asset-backed NFTs. The core principle is that RVC tokens are minted only at the moment an NFT is issued, and under no circumstances can tokens be pre-minted or arbitrarily released into the market.

This structure is governed by the following key principles:

- NFT issuance = RVC token minting
- The NFT purchaser becomes the first owner of the corresponding RVC tokens
- The platform (headquarters) holds no pre-allocated RVC tokens
- The total token supply is determined automatically based on the NFT minting volume
-

As a result, the Realverse ecosystem inherently prevents token price manipulation, misuse of insider-held tokens, and artificial distortion of market supply.





5.2 RVC Token Minting Mechanism

RVC tokens are minted exclusively at the point of NFT issuance.

- Investors purchase NFTs using listed cryptocurrencies or stablecoins on integrated exchanges.
- Only during the final sale round of the NFT issuance process are the corresponding RVC tokens generated and automatically delivered to the investor's wallet.
- RVC tokens are intrinsically linked to the NFT and are pegged to the real estate's actual value.

Example:

If a property valued at \$100,000 is divided into 1,000 NFTs, each NFT represents a \$100 stake.

Accordingly, \$100 worth of RVC is minted per NFT.

In total, only \$100,000 worth of RVC tokens will be created through this issuance.

5.3 Zero Pre-Holding Principle

By design, the Realverse platform does not hold or reserve any RVC tokens. It strictly adheres to the following rules:

- No initial token reserves
- No separate allocation for investors or the project team
- Liquidity pools for exchange listings are formed solely through NFT minting
- No lock-up or pre-allocation structures

This framework ensures compliance with key exchange listing criteria such as decentralization, anti-money laundering (AML) standards, and transparency. It also guarantees full auditability for both the community and third-party verification institutions.

5.4 RVC Token Utility

Use Case	Description
NFT Trading Currency	Used as a means of payment for buying and selling NFTs
Rental Income Settlement	Serves as the unit of account for distributing rental income to NFT holders
Platform Services	Used to pay for internal services such as appraisal requests, registry access, and premium verification features (also usable at affiliated properties like malls, hotels, and golf courses)
DAO Participation	Grants voting rights for community governance, based on RVC token holdings



5.5 RVC Distribution Model Summary

The RVC token follows a fully mint-on-demand model tied to actual NFT purchases:

- NFT minting → RVC minting → RVC automatically allocated to buyer
- Even for exchange listings, initial liquidity is formed only through actual NFT sales
- No reminting of RVC is allowed; the total RVC supply is directly bound to the total value of NFTs minted

This model demonstrates that Realverse is not just a cryptocurrency project, but a real asset-backed on-chain economic system.

Once the Realverse DAO is launched, RVC will serve as the core governance token, enabling the platform to evolve into a sustainable Web3 ecosystem driven by real-world returns and decentralized decision-making.

6. TECHNICAL ARCHITECTURE

Realverse's technical architecture integrates blockchain, smart contracts, decentralized storage, and oracle systems to securely and efficiently digitize real estate assets. This layered architecture ensures transparency, automation, and compliance for all participants in the Realverse ecosystem.

6.1 System Overview

The Realverse platform is composed of the following architectural layers:

Blockchain Layer (Ethereum-Based)

- Handles NFT issuance, ownership transfers, transaction history, and revenue distribution
- Enables automated execution and state management of smart contracts

Smart Contract Layer

- Logic for asset registration and verification
- Automated control of NFT minting conditions and quantities
- RVC token minting and distribution mechanisms
- Includes logic for rental income and capital gains settlements

IPFS and Decentralized File Storage

- Stores sensitive documents such as property registries, appraisal reports, and site inspection data
- Ensures transparency by linking NFT metadata with IPFS hashes

Oracle System

- Integrates real-world data such as property market prices, fiat exchange rates, and regional rental benchmarks into the blockchain
- Operates via a hybrid model using Chainlink and custom in-house oracles

Application Layer

- Web-Based Dashboard: Allows users to explore NFTs, view holdings, and track earnings
- Admin/Partner Portal: Enables asset registration, document uploads, and approval workflows for verified partners





6.2 Smart Contract Design Overview

Realverse smart contracts are modular and structured for scalability and governance. Core contracts include:

Contract Name	Functionality Description
AssetRegistry.sol	Registers property data, verifies ownership, and manages approval workflows
MintControl.sol	Validates NFT issuance conditions and triggers RVC token minting
RevenueSplit.sol	Handles automated distribution of rental and capital income to NFT holders
Governance.sol	Supports DAO participation, including proposal creation and community voting mechanisms

Each smart contract supports multi-signature authorization and undergoes rigorous external security audits (e.g., by CertiK, SlowMist, or equivalent firms) prior to deployment.

6.3 RVC Minting Algorithm Summary

[solidity]

```
function mintRVC(address to, uint256 nftValue) external onlyMinter { require(!minted[to], "Already minted"); uint256 amount = nftValue * conversionRate; _mint(to, amount); minted[to] = true; }
```

- RVC token minting is triggered solely by NFT issuance
- Minted tokens are immediately transferred to the investor's wallet
- No indirect minting or rerouting to company or team wallets is possible

6.4 Security Architecture

- Multi-signature approval (3 of 5 structure) is required for smart contract deployment
- Administrative privileges will be transferred to a DAO or decentralized governance system
- All wallets support 2FA-based authentication and integration with external wallets
- IPFS documents are uploaded via encrypted channels and require decryption keys upon access

6.5 Technical Scalability & Global Compatibility

- Multi-chain support: While the platform launches on Ethereum, smart contracts are standardized for future expansion to Polygon, BNB Chain, Klaytn, and others
- Global regulatory support: Equipped with APIs for country-specific KYC/KYB modules
- Mobile-ready interface: Designed to be compatible with Web3 mobile browsers



The Realverse technical architecture is not just a digital interface—it's a robust, purpose-built system designed to securely issue and manage real-world asset-backed NFTs. With advanced features for decentralization, compliance, and scalability, the platform is well-positioned for global adoption and expansion.

7. Platform Architecture & UX

Realverse adopts a user-centric platform structure and intuitive UI/UX design to make the complex concept of real asset-backed NFTs easily accessible and usable for the general public. While the technical complexities are handled in the backend, the frontend provides a simple and clear investment flow for users.

7.1 User Interface Design Principles

The Realverse platform is built on five core UI/UX principles:

- **Simplicity:** Presents a clear and intuitive user flow to demystify complex real estate investment processes
- **Transparency:** Visualizes all essential investment data, including appraisal reports, income status, and title verification
- **Safety-First:** Incorporates multi-step verification for login, KYC, wallet connection, and transactions
- **Mobile-First:** Responsive interface and dedicated mobile applications tailored for global accessibility
- **Globalization:** Supports multilingual content, various fiat currency units, and region-specific compliance structures

7.2 Key Platform Components (User-Facing)

- **Dashboard:** Offers an overview of owned NFTs, income history, pending rewards, and total asset value
- **Marketplace:** Displays NFT investment listings with real-time trading and filters (by region, ROI, investment period, etc.)
- **Investment Detail Page:** Discloses full property details, on-site video footage, appraisal reports, registration documents, projected ROI, and profit-sharing models
- **Settlement Page:** Automatically processes and displays rental or resale income, with token distribution interface
- **Wallet Integration & Transaction History:** Connects with Web3 wallets to show balances and detailed transaction logs



7.3 Partner/Admin Portal Structure

- **Asset Registration:** Real estate developers and brokers can submit property registration applications and upload required documentation
- **Verification & Approval:** Admins review due diligence reports, title certificates, and appraisal results through a secure portal
- **NFT Issuance Management:** Once approved, the system automatically generates NFTs and their associated metadata
- **Revenue Distribution Settings:** Pre-configures monthly rental income distribution, linked directly to smart contracts
- **Audit & Reporting:** Provides compliance dashboards for legal teams, investor protection teams, and auditors

This architecture supports both usability and regulatory compliance, ensuring that Realverse offers a professional-grade Web3 real estate experience for all users and stakeholders.

7.4 Sample User Flow (Investor Perspective)

1. **Sign-Up & Verification:** Complete email registration and KYC verification
2. **Wallet Connection:** Connect a Web3 wallet such as MetaMask
3. **Asset Discovery:** Explore and filter real estate NFTs via the marketplace
4. **Execute Investment:** Purchase NFTs and complete payment (using fiat or stablecoins)
5. **Ownership Confirmation:** View investment status and NFT holdings in the dashboard
6. **Receive Returns:** Rental or resale profits are automatically distributed in RVS tokens

7.5 Accessibility & Scalability

- **Mobile App:** Native applications for Android and iOS are currently under development
- **API Integration:** Open APIs will support integration with external DAOs, DeFi protocols, DEXs, and CEXs
- **Multilingual Support:** Initial support for Korean, English, Japanese, and Indonesian, with plans for additional languages

By combining technical reliability with user-friendly design, Realverse is evolving into a comprehensive Web3 real estate portal—empowering anyone to participate in the complex world of real-world asset-backed NFT investments with ease.



8. Revenue Model & Business Structure

Realverse generates revenue from within its real estate NFT ecosystem, primarily through rental income, asset management income, and transaction fees. All revenue is denominated and calculated in USD, allowing investors to track profits in fiat value while receiving distributions in RVC tokens.

Unlike a simple utility token, the RVC token functions as an operational currency used within real properties linked to the platform. For example, if investors co-own an office building or commercial space via NFT, RVC is used to settle common maintenance fees or operational income (e.g., tenant revenue-sharing). That income is also distributed to NFT holders.

RVS generates real-world utility through the following roles:

- **Transaction Token:** Used to buy and sell NFTs
- **Income Distribution Unit:** Basis for distributing rental and capital income
- **Operational Settlement Token:** Used in the actual operation and management of physical assets
- **DAO Participation & Voting Rights:** Enables governance and proposal voting within the Realverse DAO ecosystem

8.1 Revenue Structure Overview

Realverse does not generate profits from NFTs it holds, but rather from the real-world income streams tied to physical assets held by NFT owners. By purchasing a real estate NFT, users can expect the following sources of income:

- **Rental Income (Monthly Distribution):** Monthly rental profits are automatically distributed to NFT holders based on their ownership ratio.
- **Capital Gains (One-Time Distribution):** If the property is sold, net profits from the sale are shared among NFT holders proportionally.
- **Airdrop Rewards:** Users may also receive bonus RVC tokens through community contributions or promotional events.

8.2 Realverse Platform Revenue Sources

In addition to investor-side profits, Realverse generates platform-level revenue through the following channels:

- **NFT Minting Fee (up to 2%)**
 - Collected from developers or partner companies during NFT issuance.
- **Rental Income Settlement Fee (3–5%)**
 - Applied to the automatic calculation and distribution of rental returns via smart contracts.
- **Asset Registration Services**



- Service fees for technical and operational support when developers or owners register assets on the Realverse platform.
- Premium Legal & Title Verification Services
 - Optional paid services for users or partners requesting enhanced verification or legal consultation.
- Partner Fees & Affiliate Revenue
 - Revenue-sharing models from strategic alliances with banks, overseas brokers, and local developers.

8.3 Sample Revenue Flow (General User)

Let's assume:

- User A purchases a real estate NFT worth \$5,000.
- The property generates \$10,000 in monthly rental income, and User A holds a 5% ownership stake.
- Each month, User A automatically receives \$500 worth of RVS via smart contract.

Now, suppose:

- The property is sold for \$1,200,000, with an initial acquisition cost of \$1,000,000.
- The net capital gain is \$200,000.
- Based on their 5% stake, User A receives \$10,000 as additional capital gain distribution.

This structure allows Realverse to transform traditional real estate profit models into a digital asset framework, letting users receive real economic value in real time, without the burdens of manual investment administration.

8.4 User-Friendly Profit System

Realverse provides a revenue model that is easy for everyday investors to understand and benefit from:

- Profits are automatically calculated and distributed to user wallets via smart contracts
- All payout records are transparently logged on the blockchain
- Users can visually track both settlement and projected earnings through an intuitive dashboard
- Profits can be withdrawn in stablecoins or local currency, subject to legal and regulatory compliance

8.5 Scalable Future Revenue Models

Realverse plans to expand its revenue ecosystem through the following initiatives:

- Development of NFT-based REITs in collaboration with real estate rental operators
- Shared operational income governed by community DAOs
- Launch of NFT-collateralized lending and liquidity products

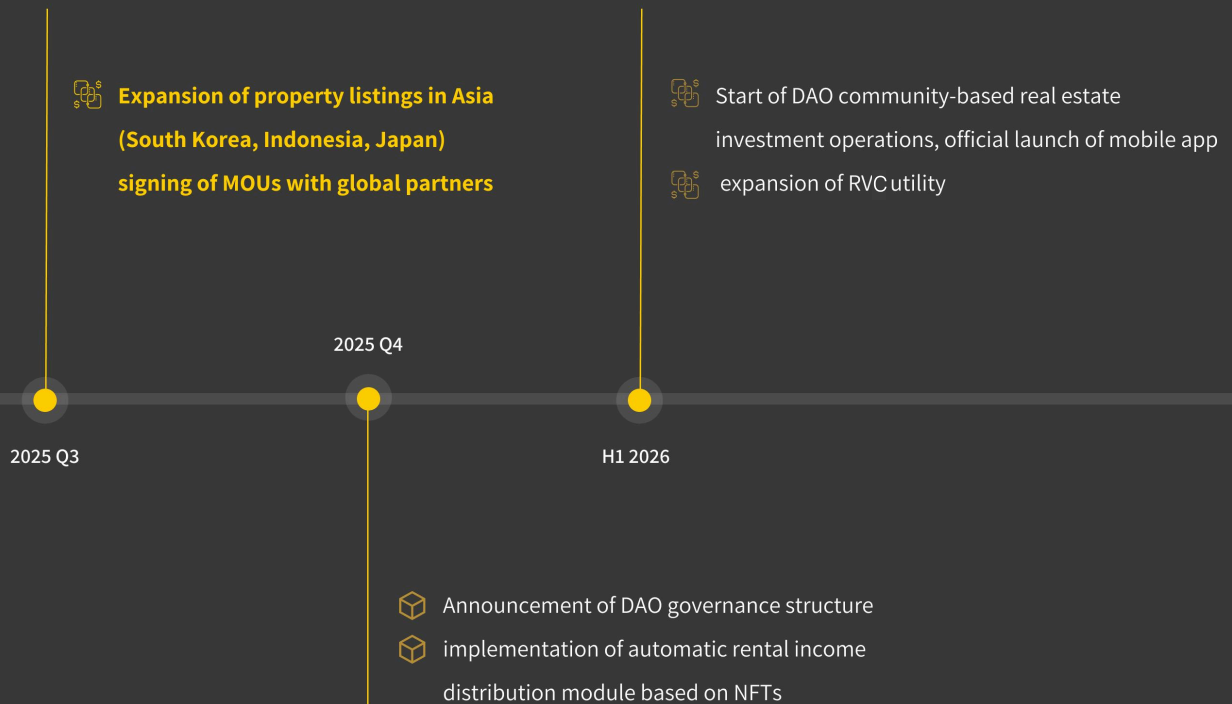


Realverse's revenue model is not centered on speculative trading but on real-world income distribution backed by physical assets. This structure ensures long-term ecosystem sustainability and investor trust through a stable, utility-focused framework.

9. Roadmap

Starting in Q4 2024, Realverse has established a phased roadmap with the goal of global expansion of real-world asset-backed NFTs and the establishment of a sustainable profit-sharing model. The roadmap focuses on long-term ecosystem development across technical infrastructure, legal compliance, user acquisition, token issuance, and DAO implementation.





10. Team & Advisors

Realverse is led by a team of seasoned professionals with deep expertise in real estate, finance, and blockchain—particularly within the MENA (Middle East and North Africa) region. With a strong foundation in physical asset management, the team is composed of Arab nationals who are actively forging connections with global markets and Islamic financial systems.

10.1 Core Team

- CEO – SERINA

A visionary entrepreneur from the United Arab Emirates, SERINA successfully led a Dubai-based real estate development firm and a blockchain startup. She spearheaded a real estate tokenization initiative in collaboration with the Sharjah Free Economic Zone.



- CTO – Yahya Al-Kadi

A smart contract architect from Saudi Arabia with extensive experience in designing DAO and DeFi systems across Ethereum, BNB Chain, and Polygon. He played a key role in developing blockchain infrastructure for the GCC region.

- COO – Mahmoud Al-Faraj

Based in Kuwait, Mahmoud is a specialist in real estate operations and commercial property leasing systems across the Middle East. His experience focuses on scalable property management solutions.

- CLO – Sarah El-Hadi

A dual-qualified lawyer in Jordan and the United Kingdom, Sarah specializes in Arab-region real estate law, securities regulations, and DAO legal frameworks. She ensures that all operations remain legally compliant across jurisdictions.

10.2 Advisory Board

- Abdullah Al-Zahar

An Islamic finance expert based in Qatar. He advises on Sharia-compliant token issuance and asset-backed financial structures, ensuring Realverse aligns with Islamic legal principles.

- Fatima Khalid

A legal and investment fund specialist with experience in structuring real estate funds in Bahrain and at Swiss investment firms. Her insights strengthen Realverse's institutional fund integration.

- Musa Al-Qasimi

CEO of a blockchain consulting firm in Dubai, Musa serves as a strategic advisor for cross-border NFT-based real estate investment models between the Middle East and Europe.

11. Appendix

This appendix is designed to enhance the reader's understanding of Realverse's core concepts and technical components, while also providing clarity on investor protection. It offers a comprehensive reference of essential terminology, contract structures, security architecture, and frequently asked questions relevant to participation in a real asset-backed NFT project.



11.1 Glossary of Terms

- **NFT (Non-Fungible Token):**

A unique, non-interchangeable digital asset. In Realverse, a real estate NFT represents ownership or rights to a specific physical property. Legal alignment is ensured by embedding registered deed and appraisal data within the token's metadata.

- **DAO (Decentralized Autonomous Organization):**

A decentralized organization managed via smart contracts without centralized control. In Realverse, the DAO governs key decisions such as the approval of new assets, distribution of profits, and platform governance.

- **Smart Contract:**

Self-executing code that activates when specific conditions are met. It governs Realverse processes including NFT minting, profit distribution, RVC token issuance, and transaction settlement.

- **Oracle:**

A middleware system that brings off-chain data onto the blockchain. Realverse uses Chainlink and proprietary oracles to feed real-time data such as exchange rates, real estate valuations, and registry statuses into its smart contracts.

11.2 Sample Contract Structure

Each real estate NFT issuance on the Realverse platform adheres to the following contractual framework:

- **Asset Registration Agreement:**

Executed between the asset registrar (developer or property owner) and the Realverse platform. The agreement defines asset details, appraised value, and NFT issuance conditions.

- **Investor Protection Clauses:**

- All due diligence and appraisals must be performed by certified third-party institutions.
- Realverse explicitly disclaims direct liability over the underlying asset.
- Clear terms on how rental and sales proceeds are distributed to NFT holders.

- **Registry Integration:**

- Depending on national laws, legal frameworks such as notarization or trust-based custodianship are used.
- NFT metadata contains hashed references and access pathways to official registry documents.



11.3 Security Architecture Diagram

Realverse implements a three-layered security architecture to safeguard users and real-world assets:

- Smart Contract Security
 - Multi-signature (Multisig) authorization for all critical contract functions
 - Mandatory external audits by reputable firms (e.g., CertiK, SlowMist)
 - Immutable deployment with tamper resistance and rollback prevention
- Data Security (IPFS-Based)
 - Key documents such as appraisals and property registries are stored on decentralized file systems
 - All NFT metadata is cryptographically linked to the IPFS hash to ensure document integrity
- Platform Security
 - Mandatory 2FA (Two-Factor Authentication) for wallet connections
 - Decentralized admin permission control
 - Scheduled access log reviews and platform-level security audits

This architecture is designed to defend against DDoS attacks, prevent smart contract manipulation, and eliminate risks associated with privileged access misuse.

11.4 Investor FAQ

Q1. Can I redeem my NFT for cash?

A. Realverse does not offer guaranteed buybacks for NFTs. However, NFTs are freely tradable on our marketplace, and we are actively pursuing listings on centralized exchanges (CEXs) and partnerships with decentralized exchanges (DEXs) to enhance liquidity. A future DAO vote may enable an automatic redemption pool or buyback fund model.

Q2. How is profit calculated and distributed?

A. Profits are distributed based on your NFT ownership share:

- Rental income is distributed monthly
- Capital gains from property sales are distributed as one-time payments

All proceeds are automatically settled through a third-party trustee in the local base currency.

Example: If you own 5% of an NFT tied to a property generating \$10,000/month in rental income, you will automatically receive \$500 per month.

Q3. Where are the real estate assets physically located?

A. All properties are officially registered and legally owned by verified entities within the jurisdiction specified.

Each NFT transparently links to its associated property's address, appraisal report, legal registration document, and on-site inspection video through the metadata system.



Q4. Does Realverse hold any RVC tokens?

A. No. The Realverse platform only mints RVC tokens at the time of NFT issuance, and the full amount is allocated directly to the purchaser. The company does not pre-own or sell RVC tokens in the market

Q5. What kind of legal protection is in place?

A. Realverse applies notarization, custodianship, or trust-based asset structures depending on the local real estate laws of each country. Only users who have completed identity verification through KYC (Know Your Customer) procedures can participate. Furthermore, the platform is supported not only by an in-house legal team but also by a network of external legal advisors to ensure compliance with international legal standards.

This appendix is provided to give every participant in the Realverse ecosystem a clear understanding of real-world asset-backed NFTs. It serves as a foundation for trust and secure participation, and will be regularly updated through future DAO governance and investor forums.

12. Disclaimer

This document provides an overview of the Realverse Project (hereinafter referred to as "the Project"), including its business structure, technological outline, revenue model, and token framework. It is not intended as investment solicitation or financial advice and has been structured to minimize legal risks in consideration of varying jurisdictional legal environments.

12.1 General Principles

Realverse offers real estate NFTs either as equity-based ownership or usage memberships depending on the legal framework of each country. In jurisdictions where the tokens may be interpreted as securities (STOs), the Project is structured as a membership model to avoid legal disputes. This approach has been designed in consultation with legal advisors.

12.2 United Arab Emirates (UAE)

Realverse complies with digital asset regulations under ADGM (Abu Dhabi Global Market) and DIFC (Dubai International Financial Centre) and ensures that its token model does not violate Sharia principles. This document is not an investment solicitation, and sales or distributions in the UAE will only be conducted in coordination with local partners and regulatory authorities.



12.3 United States

This document does not constitute an offer to sell securities to U.S. citizens or residents (U.S. Persons). The tokens are not financial instruments subject to SEC registration. Realverse has evaluated the token structure against the Howey Test and designed it to avoid classification as a security. Direct token sales in the U.S. are restricted.

12.4 Indonesia

Realverse adheres to the guidelines of BAPPEBTI (Commodity Futures Trading Regulatory Agency) and OJK (Financial Services Authority). To avoid STO classification, NFTs are only offered in the form of membership rights. All participants must meet KYC and AML requirements, and payments in Indonesian Rupiah are only processed within agreed terms with local partners.

12.5 Singapore

In accordance with the Monetary Authority of Singapore (MAS) guidelines on digital assets, Realverse tokens are categorized as Digital Payment Tokens (DPTs) and are not structured as securities or STOs. This document is not an MAS-approved offering memorandum, and Realverse does not engage in unauthorized investment solicitation. Users must seek independent legal advice prior to participation.

12.6 Malta

Under the Malta Financial Services Authority (MFSA) digital asset framework, Realverse tokens are classified as utility tokens and membership-based NFTs, and are not financial products. All smart contracts deployed within the Project are subject to third-party security audits prior to release.

12.7 Canada

In accordance with the Canadian Securities Administrators (CSA), Realverse has designed its token to avoid classification as a security or investment contract. Token sales may be subject to restrictions under Ontario or other provincial securities laws. Direct marketing within Canada is prohibited; only indirect participation through local partners is allowed.

12.8 Myanmar

Due to the absence of clear digital asset regulations in Myanmar, Realverse does not engage in any investment solicitation. NFTs and tokens are only offered for informational purposes in the form of membership rights. The structure may be adjusted in response to future regulatory developments.



12.9 South Korea and Other Jurisdictions

In South Korea, where capital market and electronic financial laws may interpret certain token models as securities, Realverse limits NFT offerings to usage-based memberships. Token minting is algorithmically tied to the underlying real-world asset value, and the Project does not pre-hold or arbitrarily distribute tokens on the market.

12.10 General Notice

The contents of this whitepaper are based on information available at the time of writing and are subject to change without notice.

Token purchases are voluntary and require full understanding of potential risks and independent judgment.

Platform services may change or be suspended without notice depending on regulatory developments in each country.

This document does not provide legal, accounting, or tax advice, and users are required to consult local professionals.

This disclaimer is a core document to ensure legal transparency and user protection in Realverse's global operations and will continue to evolve in compliance with each jurisdiction's regulatory requirements.

