



# **SOLarium: A Vault for Valuable NFT Art and Social Content**

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## Abstract

SOLarium is an innovative vault solution designed to protect, enhance, and monetize NFTs minted on the decentralized social platform SOLspace. By linking each NFT to a minimum floor price backed by SOLess tokens, SOLarium establishes intrinsic value for every asset it holds. This value preservation model enables creators and collectors to secure their digital art and content, ensuring long-term worth, liquidity, and flexibility. SOLarium offers not only a vault but also a personal gallery where users can manage and display their NFTs within a secure, censorship-resistant environment. SOLarium is reimagining NFT ownership by combining value retention, liquidity, and personalized presentation, creating a new standard for digital asset preservation.

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## 1. Introduction

The NFT market is rapidly evolving, but it remains fraught with volatility, illiquidity, and uncertainty regarding long-term value. For many creators and collectors, maintaining NFT value and liquidity is essential for financial stability and flexibility. SOLarium provides a secure, enduring solution to these challenges by guaranteeing a floor price for each NFT, backed by SOLess tokens. In addition, SOLarium offers a flexible liquidity mechanism and a personal gallery space, making it an ideal vault for preserving, managing, and showcasing valuable NFTs. SOLarium empowers users with control, security, and sustainable value, giving digital content the foundation it needs to thrive.

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## 2. Vision and Mission

- **Vision:** SOLarium aims to be the premier vault for NFT preservation, delivering value stability and liquidity to digital assets through an innovative, token-backed system.
  - **Mission:** SOLarium's mission is to provide a secure environment for creators and collectors to safeguard their NFTs, ensuring sustainable value and liquidity through an integrated floor price and SOLess token backing. By creating an accessible, trustworthy platform, SOLarium is designed to empower users to preserve their work and maintain a digital presence that is both valuable and flexible.
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## 3. Key Features

### 3.1 Guaranteed NFT Value

- **Intrinsic Value Through SOLess Backing**

Each NFT minted on SOLspace that is stored in SOLarium is automatically linked to a floor price, made possible through SOLess tokens. A portion of the minting fee is allocated to SOLess tokens, establishing a base, or “floor,” value for the NFT. Unlike traditional NFTs, which can lose their entire value in volatile markets, SOLarium-backed NFTs retain a minimum worth, providing creators and collectors with peace of mind and security. This approach ensures that SOLarium is not just a storage solution, but a value-preserving mechanism.

- **Confidence for Creators and Collectors**

SOLarium’s value guarantee fosters confidence among creators and collectors, allowing them to focus on their craft without concerns about the fluctuating market. For creators, this floor value reflects the inherent worth of their work, establishing trust in SOLarium as a reliable platform for asset preservation. For collectors, this backing offers a safeguard against market dips, making it a resilient choice for long-term investment.

### 3.2 Built-In Liquidity

- **Instant Liquidity Option**

One of the major pain points in the NFT market is liquidity. Traditionally, NFT owners must wait for an external buyer to purchase their asset, often leading to delays or losses in value. SOLarium solves this problem by allowing users to trade their NFTs back to the vault at the established floor price, removing the need for waiting and enabling instant liquidity. This option gives creators and collectors immediate access to funds when needed, without the pressure of timing the market or finding buyers.

- **Flexible Financial Management**

By guaranteeing liquidity, SOLarium empowers users with flexible financial management options. Whether they want to liquidate an asset to fund a new project, secure funds during market downturns, or simply maintain a balance of holdings and liquidity, SOLarium provides users with choices. This flexibility makes SOLarium a dynamic vault solution that caters to a wide range of financial needs, whether short-term or long-term.

### 3.3 Personal Gallery and Vault

- **Censorship-Resistant Display**

SOLarium is not just a vault but a personal gallery where users can display their NFTs in a censorship-resistant environment. This gallery enables creators and collectors to curate their collections, showcasing digital art, memes, and social content according to their preferences. With SOLarium’s secure infrastructure, users retain full control over their assets, ensuring that their work is always visible, protected, and unaltered by third parties.

- **Tailored NFT Management**

The SOLarium gallery provides an organized and accessible space for users to manage their collections. With options to categorize, label, and arrange NFTs, users can easily track, view, and manage their assets within a space designed to prioritize autonomy and privacy.

The gallery allows creators to build a permanent, publicly accessible portfolio, while collectors can appreciate and interact with their digital assets in a secure environment.

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#### **4. Technical Architecture**

## 4.1 SOLess Token Integration

- **SOLess Token Backing**

SOLess tokens are essential to SOLarium's value structure. When an NFT is minted on SOLspace, a portion of the minting fee is allocated to SOLess tokens, which back the NFT's floor price. This backing provides a guaranteed minimum value for the NFT. The SOLess tokens serve as collateral within the vault, ensuring stability and intrinsic worth.

- **Smart Contracts for Value Preservation**

The floor price for each NFT is managed via smart contracts, which hold SOLess tokens in reserve as collateral. These contracts are automated, providing a transparent and immutable guarantee of value. If a user chooses to liquidate their NFT, the smart contract enables instant transactions, maintaining trust and efficiency throughout the process.

## 4.2 Liquidity Mechanism

- **Floor Price Liquidity Pool**

SOLarium's liquidity model relies on a dedicated pool that holds SOLess tokens, which are used to redeem NFTs at their floor price. This pool ensures that liquidity is always available for NFTs, regardless of market demand. The liquidity pool is maintained by transaction fees and a portion of NFT minting fees, providing a sustainable source of liquidity that grows alongside the platform.

- **Instant Redemption Process**

Users can redeem their NFTs instantly at the floor price by interacting with SOLarium's smart contracts. The process is automated, secure, and designed to prioritize user experience. Once redeemed, the NFT is returned to SOLarium's vault, where it remains available for future transactions or liquidation.

## 4.3 Personal Gallery Infrastructure

- **Decentralized Storage and Display**

SOLarium's gallery infrastructure is built on decentralized storage solutions such as IPFS or Arweave, ensuring that assets are protected from censorship and centralized control. This architecture allows users to access and display their NFTs securely, retaining full autonomy over their content.

- **User Interface and Experience**

The SOLarium interface is designed to provide an intuitive experience, allowing users to manage, arrange, and showcase their collections easily. With options to customize layout and privacy settings, SOLarium offers a flexible gallery that meets each user's unique needs.

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## 5. Tokenomics

## 5.1 SOLess Token Overview

- **Total Supply and Distribution:** The SOLess token has a fixed supply to maintain scarcity. A percentage of each minting fee is allocated to SOLess, ensuring constant demand and stable liquidity.
- **Utility:** SOLess tokens serve as collateral for SOLarium-backed NFTs, as well as the primary currency for transactions within the platform. By using SOLess as the basis for floor price calculations, SOLarium creates a self-sustaining token ecosystem that supports long-term value.

## 5.2 Revenue Streams

- **Minting Fees:** A portion of every NFT minting fee on SOLspace is allocated to the SOLarium vault, providing a steady revenue stream for value backing.
  - **Transaction Fees:** A small fee is applied to each buy-back or liquidation transaction, which helps maintain the liquidity pool.
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## 6. Roadmap

- **Phase 1: Core Development and Launch**

- Initial development of SOLarium, including SOLess token integration, smart contract infrastructure, and liquidity mechanisms.
- Launch the core platform with NFT minting, floor price features, and a basic gallery interface.

- **Phase 2: Liquidity Expansion and Personal Gallery Rollout**

- Introduce advanced liquidity features, including the floor price liquidity pool and instant redemption process.
- Expand the personal gallery with customizable display options, decentralized storage integration, and privacy controls.

- **Phase 3: Governance and Community Involvement**

- Establish community governance options, allowing token holders to vote on platform upgrades, tokenomics adjustments, and new features.
  - Integrate community engagement tools to foster a user-driven development process.
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## 7. Why Choose SOLarium?

- **Sustainable Value and Flexibility:** SOLarium provides a consistent value for each NFT, secured through SOLess tokens, making it an ideal vault for creators and collectors.
  - **Instant Liquidity and Financial Freedom:** Unlike traditional NFTs, SOLarium offers liquidity without the need for external buyers, making it accessible and reliable.
  - **Secure, Censorship-Resistant Display:** SOLarium empowers users with full control over their NFTs in a gallery space that respects privacy and autonomy.
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## 8. Conclusion

SOLarium is more than a vault—it's a robust ecosystem that ensures lasting value, instant liquidity, and a flexible gallery space for digital assets. By combining floor price guarantees, liquidity options, and user-centered management, SOLarium redefines NFT ownership