IAESIR Tokenomics

Executive Summary

IAESIR is a DeFi-powered platform combining cutting-edge algorithmic trading with a robust ecosystem driven by the IAESIR Token (IASR) and exclusive Premium Membership NFTs. The platform leverages:

- **50% Average Annual Return** on AUM through its proprietary trading algorithm on average.
- **NFT and Tokenomics Integration** to incentivize user engagement and ensure long-term sustainability.

The IAESIR tokenomics model is designed to:

1. Generate consistent and competitive yields for stakers and liquidity providers.
2. Create revenue streams for IAESIR through performance fees, NFT sales, and withdrawal fees.
3. Offer exclusive benefits to NFT holders while ensuring deflationary token supply.

Core Principles and Objectives

Principles

1. **Transparency**: Full clarity in yield generation, revenue sharing, and fee structures.
2. **Sustainability**: Built-in deflationary mechanisms to maintain token value.
3. **Scalability**: Modular framework for future expansion, including new asset classes and DeFi integrations.
4. **User Alignment**: Prioritize user rewards while maintaining IAESIR's profitability.

Objectives

- Deliver market-beating returns through algorithmic trading.
- Position IAESIR as a premium, exclusive ecosystem through NFTs and governance.
- Establish a sustainable financial model with diversified revenue streams.

IAESIR Ecosystem Overview

Key Components

1. **IAESIR Token (IASR)**:
   - ERC-20 utility token serving as the backbone of the ecosystem.

- Used for staking, governance, fee discounts, and liquidity provisioning.

2. **Premium Membership NFTs**:
   - Lifetime membership with enhanced benefits for holders.
   - Limited supply ensures exclusivity and scarcity.
3. **Algorithmic Trading Platform**:
   - Proprietary trading algorithm generating an annual return of **50% average** .
   - Focused on quantitative directional momentum, trend-following and AI trading.

Tokenomics Model

Token Details

Attribute	Value
Token Name	IAESIR Token
Ticker	IASR
Standard	ERC-20
Blockchain	Binance Smart Chain (Solana)
Total Supply	1,000,000,000 (fixed supply)
Launch Price:	$0.05/token (public sale)

Token Allocation

Category	Allocation (%)		Tokens Details
Seed Investors (R1)	4%	40,000,000	No vesting or 6-month cliff , 6-month linear release and free NFT. Optional for R1 seed investors.
Seed Investors (R2)	11%	110,000,000	Vesting: 9-month cliff, 18-month linear release.
Public Sale	20%	200,000,000	No vesting. Liquidity provisioning and initial user acquisition.
Team and Advisors	15%	150,000,000	Vesting: 12-month cliff , 18-month linear release.
Marketing & Strategy	15%	150,000,000	Vesting: 1-month cliff , 10-month linear release.
Rewards Pool	10%	100,000,000	For staking and liquidity incentives over 4 years.
Ecosystem	5%	50,000,000	Product development, airdrops. Vesting: 1-month cliff, 10-month linear release,
Liquidity DEX	10%	100,000,000	Liquisity will be locked for a 12-month period.

Liquidity CEX	10%	100,000,000	Supports stable trading environments on CEXs. Vesting: no cliff, 5-month linear release.

Private Round Structure

The **Private Round is divided into two phases** to ensure a **strategic fundraising approach**, gradually increasing the token price while ensuring strong liquidity for the public sale.

Phase	Token Price	Tokens Sold	Funds Raised	Discount vs. Public Sale
Private Round 1	$0.025	40M	$1M	50% discount
Private Round 2	$0.04	110M	$4.4M	20% discount
Total Private Sale		150M	$5.4M	

Phase	Token Price	Tokens Sold	Funds Raised
Public Round	$0.05	200M	$10M
Total Overall Raise			$15.4M

Token Utility

1. **Vault Token**:

Become an LP in IAESIR's liquidity investment vault (LIV): earn yield from the trading algorithm and from AUM profits and the liquidity pool.

Benefits:

- Access to algorithmic trading profits.
- Passive income via yield distributions.

2. **Lock-up Periods**:

A bonus APY in tokens is provided to early LP in addition their investment vault yield.

- Flexible: Lower rewards, no lockup.
- 3-month lockup, 6-month lockup, 12-month lockup: token bonus from the reward pool Y1.

3. **Governance**:

Investors & LP vote on platform updates, fee structures, and strategic initiatives: 1 vault token is 1 vote.

- Allocation of new AUM assets.
- Fee structure adjustments.
- Strategic updates to the algorithm.

Users who become LPs longer get increased voting power

- **+3 month stake = 1x voting power**
- **+6 month stake = 2x voting power**
- **+12 month stake = 3x voting power**
- **+24 month stake = 4x voting power**

4. **Liquidity Mining**:

Provide liquidity in IASR trading pairs to earn additional rewards.

5. **Enhanced Yields**

Premium users holding NFTs earn **higher APYs** on their funds compared to normal users.

6. **Dividend Yields**

Token holders will receive 5% of Iaesir benefits from the 30% performance fees based on a pro-rata time schedule. For example, if Iaesir has $30M in AUM, and has made $15M (50% return), the profit is $4,5M (30% performance fees). Based on this, from the $4,5M performance fee, 5% of that goes to the token holders ($225,000), just for holding the token, as a dividend.

If an investor has been holding 1M tokens out of a 100M in circulation, for an entire year, he will receive 1% of the the atributable dividend proportionally, meaning he will receive 1% of $225,000 or $2,250.

Total APY will depend of the amount of tokens held, the amount of tokens in circulation, the assets under management and the price of the token.

- **+6 month holding = 50% of corresponding dividends**
- **+12 month holding = 100% of corresponding dividends**

Valuation

- **Valuation Basis**: The algorithm (tech part) is valued at $30M, reflecting:
    1. **Proven Annual Return**: 50% on AUM, leveraging quantitative directional momentum, trend-following strategies, and AI-driven analytics.
    2. **Market Demand**: High demand for DeFi-powered algorithmic trading platforms with consistent, scalable returns.

AUM Growth & CAGR

- **Initial AUM**: $10,000.
- **Current AUM**: $2,000,000.

- **Growth Period**: **3 years**.

CAGR: 293%, showcasing exceptional AUM growth and platform scalability.

Profit Potential from $2M AUM

- **Annual Return**: 50%.
- **Annual Profits**: 1,000,000USD
- **Performance Fee (30%)**: 300,000USD

With $2M AUM, IAESIR generates **$300,000 annually** in revenue from performance fees alone.

Based on this we arrive to a $50M valuation for IAESIR:

1. **Total Token Supply**: 1,000,000,000 IASR.
2. **Token Price**: 0.05USD/token

Yield Generation: Liquidity Investment Vault

5.1. Sources of Yield

1. **Algorithmic Trading**:
   - Annualized returns of **50% average** from (this is variable):
     - Quantitative directional momentum.
     - Trend-following strategies.
     - AI trading.

Profit Distribution:

- **30% Performance Fee**: Retained by IAESIR.
- **70%** of profits are distributed to stakers and investors.

2. **NFT Revenue Supplement**:
   - Proceeds from minting fees and secondary royalties could increase yield pools.
3. **DeFi Liquidity Pool**
   - Used for trading fee generation.
4. **NFT Revenue Boost**:

• NFT minting and resale royalties are could reinvested to supplement user yields, particularly for Premium Members.

5.2. Yield Distribution

User Type	Av. **APY**	**Yield Source**
Investor	+35%	70% of trading profits (50% annual return)
Investor & LP	+100% APY	70% of trading profits + Pool APY Token Rewards (15-30% of rewards pool Y1)
LP & NFT Holder	+100% APY	75% of trading profits (5% from reduced trading fees) + Pool APY + Token Rewards (15-30% of rewards pool)

6. User Benefits

6.1. Investor & LP

- High yields: +100% APY.
- Access to IAESIR's algorithmic trading engine.
- Transparency in yield distribution.

6.2. LP & NFT Holder

- Enhanced APY: +100% APY plus 5% supplement from reduced trading fees.
- Exclusive perks: Free credit and debit card, private community access, early product launches, exclusive events.
- No withdrawal fees.
- NFT appreciation due to controlled scarcity.

Financial Sustainability Mechanisms

Organic Liquidity Growth & LP Incentivization Model

1. Multi-Phase Liquidity Expansion Plan

The liquidity expansion will occur in three phases, allowing controlled growth while incentivizing liquidity providers to remain in the ecosystem.

Phase	Liquidity Target	Exchanges Targeted	Objective
Phase 1 TGE	**$3M–$5M**	**Tier-2 CEXs (MEXC, Gate.io**	**Liquidity, market-making support, attract larger traders & investors**
Phase 2	**$5M–$10M+**	**Tier-1 Listings (Binance, Coinbase)**	**Institutional adoption, full-scale market presence**

Market Making Strategy (DEX & CEX)

IAESIR follows a **2-Phase Market Making Plan**:

Phase 1 – (TGE)

- **Liquidity ($3M–$5M)** for order execution.
- **Tier-2 CEXs:** MEXC, Gate.io.
- Launch a controlled private DEX pool, prevent manipulation for initial liquidity.
- Strong Market Making, expand liquidity, drive trading volume.

Phase 2 - Institutional Adoption (Tier-1 CEX Listings)

- **Deep Liquidity ($10M+)** for large-order execution.
- **Listings on Tier-1 CEXs:** Binance, Coinbase.
- **Institutional Market Makers** join to optimize order books.

📌 **Liquidity will scale organically using trading fees, market making revenue, hedge fund revenue (10%), and buybacks instead of large upfront capital injections.**

Liquidity Investment Vault (LIV) and Token Utility Framework

The IAESIR ecosystem integrates multiple mechanisms to ensure sustainable liquidity growth, investor protection, and efficient capital deployment. This section details the **Liquidity Investment Vault (LIV), Staking Rewards, Impermanent Loss Protection (ILP), Buybacks & Burns, Anti-Bot Protection, and Market Making Strategies.**

Liquidity Investment Vault (LIV) - A Hybrid Model

📌 **Structure: 50% Algorithmic Fund + 50% Liquidity Pool**

The **Liquidity Investment Vault (LIV)** is designed to provide **diversified yield sources** by combining:

1. **DEX Liquidity Pool (50%)** → Used for trading fee generation.
2. **Algorithmic Hedge Fund (50%)** → Invested in high-yield, algorithmic strategies.

Users **deposit IASR + USDT** into the **LIV smart contract**, which **automatically splits the funds**:

- **50% goes to the liquidity pool (PancakeSwap/Raydium)** for **trading fees and market liquidity**
- **50% is invested in the IAESIR Hedge Fund**, generating **an expected return of 35% APY** (70% of 50% return).
- LPs receive **LIV Tokens** representing their share in the system.

Collateral / Loan Function: LIV tokens can be used as **collateral** in the future on a lending platform.

1. Pool Setup and Composition

- **Deposit Structure:**
  Liquidity providers (LPs) deposit a combination of IASR (or your project's token, here represented by FEHU in examples) and a stablecoin (e.g., USDT). For example, if an LP deposits $10,000 into the LIV, $5,000 is allocated to the liquidity pool and the remaining $5,000 is invested in the hedge fund.

- **Initial Ratios (50/50 Pool):**
  In a classic 50/50 constant-product pool, funds are deposited in equal dollar amounts. Suppose the initial market price of FEHU is $0.05:
  - The $5,000 stable portion remains as is.
  - The $5,000 allocated to FEHU buys 100,000 FEHU (since $5,000 ÷ $0.05 = 100,000).

- **Constant-Product Invariant:**
  The pool is governed by the formula:

  $x \times y = k$

  where:

  - x = amount of FEHU in the pool,
  - y = amount of stablecoins in the pool, and
  - k = a constant that remains fixed as long as no external funds are added or removed.

  With our initial values:

  $k = 100{,}000 \times 5{,}000 = 500{,}000{,}000$

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2. AMM Mechanics and Price Determination

- **Price Relation:**
  The price within the pool is determined by the ratio:

  $\text{Price } (p) = y/x$

  At the initial setup:

  $p = 5{,}000/100{,}000 = \$0.05$

  Arbitrage and Rebalancing:
  When market prices change, arbitrageurs trade against the pool so that its internal price converges to the external market price. The invariant $x \times y = k$ remains unchanged while xx and yy adjust to satisfy the new price condition.

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3. Rebalancing and Price Fluctuations: A Mathematical Illustration

For a 50/50 constant-product pool, the final state is determined solely by:

1. The invariant $x \times y = k$
2. The new price $p = y/x$

This means that whether the price moves in many small steps or in one jump, the final balances are identical once the price stabilizes.

Example A: Price Increase from $0.05 to $0.10

- **Initial State:**
  - x = 100,000 FEHU
  - y = 5,000 USDT
  - k = 500,000,000
- **Final State at p=$0.10:**
  We require:

  $y/x = 0.10$ and $x \times y = 500,000,000$

  Substitute $y=0.10x$ into the invariant:

  $x \times (0.10\, x) = 500,000,000 \Rightarrow 0.10\, x^2 = 500,000,000$

  Solving for x:

  $x^2=5,000,000,000 \Rightarrow x \approx 70,710$

  Then,

  $y = 0.10 \times 70,710 \approx 7,071$

  Final Pool Value:
  The total dollar value is:

  $(70,710 \times 0.10) + 7,071 = 7,071 + 7,071 = \$14,142.$

  Note: Whether the price moves gradually (in increments: 0.06, 0.07, …, 0.10) or jumps directly to $0.10, arbitrage ensures the final balances are exactly $x \approx 70,710$ and $y \approx 7,071$

Example B: Price Decrease from $0.05 to $0.02

- **Initial State:**
  x=100,000 FEHU,
- y=5,000 USDT,
- k=500,000,000

- **Final State at p=$0.02:**
  We require:

  y/x = 0.02 and x×y = 500,000,000.

  Substitute y=0.02 x:

  x×(0.02 x) = 500,000,000 ⇒ 0.02 x^2 = 500,000,000.

  Solving for xx:

  X^2=25,000,000,000 ⇒ x ≈ 158,114

  Then,

  y = 0.02 × 158,114 ≈ 3,162.

  Final Pool Value:
  The total value is:

  (158,114 × 0.02) + 3,162 ≈ 3,162 + 3,162 = $6,324.

  Again, whether the price falls in gradual steps (say $0.04, $0.03, then $0.02) or directly to $0.02, the invariant forces the final state to be identical.

4. Comparison to Holding the Assets Separately

It is important to understand the opportunity cost of providing liquidity versus simply holding the assets (known as "HODLing").

Case 1: Price Increase from $0.05 to $0.10

- **If You Hold Separately:**
  - Your initial holdings: $5,000 in stable + $5,000 in FEHU (100,000 FEHU).
  - When FEHU doubles from $0.05 to $0.10, your FEHU now is worth $10,000.
  - Total value if held = $10,000 (FEHU) + $5,000 (stable) = $15,000.
- **In the Liquidity Pool (LP):**
  - Final value, as calculated, is $14,142.
- **Difference (Impermanent Loss):**

  $15,000−$14,142 ≈ $858,

or about 5.7% less than if you had simply held the assets. This “loss” is termed impermanent loss (IL).

Case 2: Price Decrease from $0.05 to $0.02

- **If You Hold Separately:**
  - Your initial holdings remain $5,000 stable and $5,000 in FEHU.
  - When FEHU falls by 60% (from $0.05 to $0.02), your FEHU is now worth:100,000×$0.02 = $2,000
  - Total value if held = $5,000 (stable) + $2,000 (FEHU) = $7,000.
- **In the Liquidity Pool (LP):**
  - Final value, as calculated, is $6,324.
- **Difference (Impermanent Loss):**

  $7,000−$6,324 ≈ $676

  which is roughly a 9.65% loss compared to holding separately.

Yield Sources in LIV

LIV investors benefit from **three income streams**:

Trading Fees from DEX Swaps (0.2% fee from trading volume to LPs)

Algorithmic Trading Profits (Hedge Fund - 70% profit share to investors)

Staking Rewards (Additional APY in IASR Tokens)

Fee Breakdown and Distribution

Each swap transaction incurs an average 0.3% fee, which is distributed as follows:

- **0.2% → Liquidity Providers (LPs) (Paid out proportionally based on LP share)**
- **0.05% → Buybacks & Burns (Reduces IASR supply over time)**
- **0.05% → Impermanent Loss Protection Fund (ILPF) (Compensates LPs in case of a net loss)**

Staking Rewards Mechanism

2. LP Incentivization Strategies

To encourage liquidity providers to participate and remain in the ecosystem, IAESIR will deploy a **multi-layered LP incentive program**:

📌 2.1. LP Staking Rewards

Reward Pool Tapering System:

- Year 1: 30% of the rewards pool for staking bonuses.
- Year 2: 30%.
- Year 3: 20%.
- Year 4: 20%, transitioning fully to algorithmic profits by Year 5.

📌 **By Year 5, staking rewards transition to sustainable trading fee redistributions.**

- LPs earn **bonus IASR tokens** for staking their **tokens**.
- Rewards scale based on **stake duration** (longer commitments = higher yields).

Lock-up Period	Bonus APY in IASR
3 months	**20% of the 30% allocated to Y1**
6 months	**50% of the 30% allocated to Y1**
12 months	**100 of the 30% allocated to Y1**

- LPs and investors can **stake LIV Tokens** for additional **APY rewards in IASR tokens**.
- **Staking rewards come from the 10% Rewards Pool** (allocated in the tokenomics).
- Staking **APY is highest in the first four years** to encourage early adopters.

Example of How LIV Works

Alice decides to invest **$10,000** in the IAESIR Liquidity Investment Vault (LIV). Her deposit is split as follows:

- **$5,000 goes into the Liquidity Pool (DEX Trading Fees Revenue).**
- **$5,000 goes into the Algorithmic Hedge Fund (Earning APY from the fund).**

After **one year**, Alice's earnings are calculated as follows:

Liquidity Pool Returns (219% APY)

- Alice earns **$10,950** from trading fees:
    - $1M liquidity pool (TVL)
    - $3M in daily trading volume (3x volume to TVL ratio subject to market conditions)
    - 0.3% average swap fees ($9,000 daily fees)
    - LPs receive 0.2% of daily trading volume, 0.05% are for burning and baybacks and 0.05% for IL fund.
- Alice owns 0.5% of the pool ($5,000 of $1M)
- Alice receives $30 daily return (0.05% of $6,000)
- Total yearly **$10,950 (plus token appreciation which we are not taking into account)**
- Total LP position = **$5,000 + $10,950 = $15,950**.

Hedge Fund Returns (35% APY)

- Alice earns **$1,750** from fund profits. (35% return after performance fees)
- Total Hedge Fund position = **$5,000 + $1,750 = $6,750**.

Total Earnings Before Withdrawal:

✅ **Alice's total portfolio value is now $22,700 (127% return on investment APY)**

Now if she locks the LIV token for the year, she earns an additional bonus in IASR, of 30% of the total rewards pool (divided by the total amount of stakers).

For example, if we have 1000 stakers and 30% of 100M from the reward pool, we have 30M tokens.

- **30M divided by 1000 is 30k tokens**
- **30k token multiplied by 0.05 (initial price, can be higher)**
- **Total $1,500 extra reward**

✅ **Alice's total portfolio value is now $24,200 (142% return on investment APY)**

Penalty/Discount for Early Exit or Extended Lock: "Lock Booster" for LIV

- Users who extend their lock period beyond 18 months get 0 withdrawal fees.
- Conversely, if they withdraw early (before 3 months), they might pay a 0.5% higher fee.

📌 **2.3. Auto-Compounding LP Rewards**

- LP rewards **automatically reinvested** back into the liquidity pool.
- Users receive **higher compounded earnings** over time without manual reinvestment.
- **Manual Claiming (opt-in feature)**

- **Auto-Compound Mode (default option)**

🔷 **Example Implementation:**
✓ If Alice enables **auto-compounding,** her LP rewards **are automatically reinvested daily.**
✓ If Alice **disables auto-compounding**, she receives **weekly payouts to her wallet.**

Downside Impermanent Loss Protection (DILP) - Protecting LPs from Losses

The **Downside IL Protection Fund (DILPF)** ensures that LPs **do not suffer a net loss across the entire portfolio** (LP + Hedge Fund).

✓ **ILP applies ONLY if an LP has an overall loss** when withdrawing from LIV.

✓ **If the total withdrawal (LP + Hedge Fund + Staking) is positive, no IL compensation applies.**

✓ **If a net loss occurs, DILPF covers the Downside IL from LP position (not hedge fund losses).**

📌 **DILP Activation Conditions**

Scenario	LP Loss?	Total Portfolio Loss?	IL Compensation?
1 - LP Loss but Overall Profit	✅ Yes	❌ No	❌ No Compensation
2 - LP Loss + Overall Portfolio Loss	✅ Yes	✅ Yes	✅ **LP Only (Capped at Downside IL)**

📌 **Time-Weighted DILP Coverage**

Lock Duration	DILP Compensation % of LP Loss
-6 Months	**No Coverage**
+6 Months	**50%**

+12 Months 75%

- If a user adds more capital after 3 months, they have an average calculation
- If a user withdraws only half their stake, we do a partial coverage calculation

📌 **ILPF is funded by 0.05% of all trading volume. Projected Fund: $547,500+ (based on expected DEX volumes).**

Example of IL Protection Activation:

Scenario 1: Alice Withdraws with an Overall Profit → No IL Protection

- Initial Deposit: $10,000 (50% LP & 50% fund)
- LP Position After IL: $6,500 ($1500 overall gain but $500 impermanent loss)
- Hedge Fund Earnings: $5,000 × (1 + 35%) = $6,750
- Total Portfolio Value: $13,250
- **Overall Profit: $3,250 ✓ No IL compensation (since Alice made a profit overall).**

Scenario 2: Alice Has an Overall Loss → IL Protection Covers Downside IL only

- Initial Deposit: $10,000 (50% LP & 50% fund)
- LP Position After IL: $3,500 ($1500 overall loss, $500 attributable to impermanent loss)
- Hedge Fund Earnings (Bad Market, +10% Return): $5,000 × (1 + 10%) = $5,500
- Total Portfolio Value: 9,000
- **Overall Loss: $1000 ✓ IL Compensation Activates for the $500 attributable to impermanent loss.**

IL Protection Compensation Calculation:

- **Alice is eligible for IL protection but only for LP attributable to impermanent loss.**
- **IL protection covers only a percentage of the LP loss, based on time-stake:**

Final Compensation Calculation:

- **If Alice Staked for 6+ Months:**
  - **ILPF covers 50% of the LP loss attributable to impermanent loss.**
- **If Alice Staked for 12+ Months:**
  - **ILPF covers 75% of the LP loss attributable to impermanent loss.**

📌 **ILPF is funded by 0.05% of all trading volume.**

Dynamic Downside IL Fund

- IL payouts are based on ILPF reserves.
- Example: If ILPF only has $500K, but total IL claims = $1M, then:
- Payout = (ILPF Reserves / Total IL Claims) × Individual IL Loss
- Result: Each LP gets 50% of their expected IL protection.

Time-Locked IL Protection for Large Withdrawals

- If a user withdraws a large amount (>$100K), IL compensation is released in tranches over 30-60 days.
- This prevents sudden ILPF depletion and allows time for trading fees to replenish the fund.

***A portion of buybacks & burns will be allocated toD ILPF if fund reserves drop below 50% of total exposure**

📌 Dynamic Downside IL Protection Fund (DILPF) Rebalancing with Buybacks & Burns

To ensure the Fund (DILPF) always has sufficient reserves to compensate LPs while maintaining sustainability, we propose the following mechanism:

✅ **A portion of Buybacks & Burns will be redirected to DILPF when reserves drop below 50% of total exposure.**
✅ **Total Exposure represents all potential IL compensation liabilities at any given moment.**

🔷 How to Calculate Total Exposure (DILPF Liabilities)

Total Exposure represents the maximum amount DILPF might need to cover in case of IL claims. It is calculated based on the current IL across all LP positions.

Formula:

LP Exposure=∑(LP Deposits (only the liquidity pool part)−Current LP Value)

- **If total Exposure is positive we calculate the % attributable to impermanent loss**
- **We calculate the hypothetical holding value of the total exposure if it was held separately**

IL (Impermanent Loss) Exposure = (Holding value- Current LP value)

Where:

- **LP Deposits: The total amount of assets originally provided by LPs only for the liquidity pool.**
- **Current LP Value: The present market value of LP holdings after price fluctuations.**
- **Holding value: Holding value of assest held separately.**

At any given moment, we determine:

LP Total Deposits (All Liquidity Providers' Initial Capital in the Pool)
Current LP Value (What They Would Get If They Withdraw Now)
IL Protection Coverage % (Based on Lock Duration)
IL Exposure = (Holding value - Current LP Value)

Example Calculation

- **Total Investment in the LIV: 20M**
- **Total LP Deposits in Pool: $10M**
- **Current LP Value: $9.2M**
- **Current Holding value: 9.5M**
- **Total IL Exposure Across All Positions: $300K**
- **Average IL Coverage Based on Staking Time: 75%**
- **Total Exposure = $300K × 75% = $225K**
- **DILPF Reserve at Current Time = $400K**
- **Payout based on the available funds proportionally.**

- **If DILPF Reserve < 50% of Total Exposure ($225K × 50% = $112,5K)**
  ✓ Buybacks & Burns Redirected to DILPF until reserves exceed 50% of Total Exposure.

◈ ILPF Rebalancing with Buybacks & Burns

When ILPF reserves drop below 50% of Total Exposure, a portion of Buybacks & Burns is redirected to refill ILPF.

Formula for ILPF Rebalancing:

Reallocation Amount = (50%*Total Exposure - Current DILPF Reserve)

Where:

- **Buyback & Burn Allocation = 0.05% of DEX trading volume.**

Example

- **Total Exposure = $600K**
- **50% of Total Exposure = $300K**
- **DILPF Reserve = $250K (Below the 50% threshold)**
- **Buybacks & Burns Allocation This Month = $50K**
- **Required Reallocation Amount = 300K - 250K = $50K**
- **New Buybacks & Burns Allocation = $50K toD ILPF.**

📌 Benefits of This System

✓ Ensures DILPF is never underfunded while maintaining token scarcity through Buybacks & Burns.
✓ Avoids sudden liquidity drains by dynamically adjusting capital allocation.
✓ LPs receive IL compensation when needed, without excessive inflationary risk.

Buybacks & Burn Mechanism

- **0.05% of all swap fees** are allocated to **Buybacks & Burns**.
- **The protocol regularly repurchases IASR tokens and removes them from circulation.**
- This deflationary model increases IASR's scarcity over time.

📌 **Projected Annual Burn Volume: $547,500+ (based on expected DEX volumes).**

Anti-Bot Protection

To protect liquidity providers and retail investors, IAESIR deploys **multi-layered anti-bot measures**:

✓ **Transaction Blacklists** → Automated detection of bot patterns.

✓ **Cooldown Periods** → Prevents high-frequency front-running attacks.

✓ **Dynamic Slippage Controls** → Adjusts pricing dynamically to counter bot manipulation.

✓ **Max TX Limits on Launch** → Blocks sniper bots from buying large initial supplies.

📌 **Bots attempting to exploit liquidity will have their trades reverted or penalized.**

NFT Integration

1. **Initial Collection**:

- Mint 10k lifetime NFTs as the initial collection.
- Fixed mint price: **1,000 USDT**.
- Revenue Target: $10,000,000 for the first collection.

2. **Dynamic Pricing**:

- Future NFTs priced based on market demand and floor prices on secondary marketplaces.

3. **Whitelist Mechanics**:

- Offer early minting rights to:
    - Verified users (via KYC).
    - Engaged users with high platform activity or token holdings.
- Duration: 48-hour exclusivity for whitelist members before public sale.

Credit and Debit Card Integration

1. **Normal Users**:

- No card issuance.
- Standard transaction limits and cashback availability.

2. **Premium Members**:

- Free issuance.
- Higher transaction limits, lower fees.

Benefits for NFT Holders

1. **Enhanced Yield**: Additional 5% return on staked funds from reduced fees.
2. **Lifetime Perks**: One-time purchase grants permanent benefits, free credit and debit card, private community access, early product launches, exclusive events, no withdrawal fees.
3. **Resale Potential**: NFTs are tradable with secondary market royalties.
4. **Governance**: 10x the normal LP voting power.

10. Metrics and Targets

- **Initial Market Cap**: $10M ($0.05/token during the public sale (20%).
- **Targeted ROI for Investors**:
- **Year 1**: 3-5x return through staking rewards and token appreciation.
- **Year 2-3**: 10x return with scaling adoption and deflationary effects.
- **Projected Token Burn**:
- **Year 1**: ~10M tokens burned.
- **Year 5**: ~50M cumulative tokens burned.

Tech Deployment Framework

Blockchain Platform:

- **Binance Smart Chain (BSC)**: Low-cost, fast transactions for NFT minting and trading.
- **Solana**: For scalability and integration with the DeFi ecosystem.

Smart Contracts:

1. **Token Contract**:
   - Implements ERC-20 standard with staking, rewards, and deflationary mechanisms.
2. **Staking Contract**:
   - Supports flexible and locked staking with dynamic APY adjustments.
3. **NFT Contract**:
   - ERC-721 standard for lifetime membership NFTs.
   - Includes royalty mechanisms for secondary sales.
4. **Governance Contract**:
   - Facilitates token-weighted voting with enhanced weight for NFT holders.