

# **Lucy AI & LucyCoin Official Whitepaper**

Version 1.0 — 2025

## **1. Overview**

Lucy AI is a next-generation generative AI image and video creation platform that uses only Stable Diffusion XL (SDXL)-based technology.

LucyCoin (LCAI) is a utility token used within the platform for payments, credit purchases, subscriptions, and reward systems..

## **2. Market Analysis**

- The global generative AI market size reached **\$65 billion in 2024**
- Optimized SDXL performance compared to competitors such as SeaArt, Leonardo, and Gencraft
- Supports global NSFW expansion and cryptocurrency-based payments

## **3. Technology Architecture**

Model: **Stable Diffusion XL only**

- Backend: Node.js + Express + MongoDB
- Frontend: React + Vite

- GPU: RunPod A100/H100
- Video Processing: **ComfyUI / V2V**

#### 4. Tokenomics

- Standard: ERC-20
- Total Supply: 1,000,000,000 LCAI
- Distribution:

- Team: 20%
- Ecosystem: 30%
- Marketing: 15%
- Community: 10%
- Liquidity Pool (LP): 15%
- Reserve: 10%

- Burn Policy (Deflationary Mechanism)

LucyCoin (LCAI) adopts a **fixed-supply deflationary model**, meaning no additional tokens will ever be minted beyond the initial 1,000,000,000 LCAI.

To promote long-term value stability and sustainable token circulation, the platform implements an **automatic burn mechanism** tied directly to premium feature usage.

Whenever users access premium AI models, advanced generation tools, or high-tier video processing features within Lucy AI, a predefined percentage of the LCAI used in the transaction is **automatically burned**.

Burned tokens are permanently removed from circulation by sending them to an

**irrecoverable burn address:**

0x00000000000000000000000000000000dEaD

This ensures that burned tokens cannot be retrieved or reintroduced into the ecosystem under any circumstances.

The burn mechanism is **fully automated**, triggered by platform usage, and requires no action from users.

Over time, this design gradually reduces the circulating supply of LCAI, encouraging **scarcity-driven value appreciation** as the platform grows.

Lucy AI reserves the right to adjust the burn percentage based on ecosystem needs, transaction volume, or community governance decisions to maintain economic stability.

## 5. Credit Economy Model

- Image Generation: Credits deducted based on resolution and options
- Video Processing: Fixed credit cost for V2V / FaceSwap
- Credit Packages: **3,000 / 6,600 / 36,000 credits**
- Subscription Plans: **Monthly / Yearly / VIP**

## 6. Roadmap

**Q4 2025** — Launch of LucyCoin, SDXL V2 optimization

**Q1 2026** — Creator marketplace, AI auto-prompt generation

**Q2 2026** — Mobile app release, real-time V2V

**Q3 2026** — LucyCoin staking and reward programs

## 7. Legal Notice

- LucyCoin is **not** an investment or security token
- NSFW content may be restricted depending on regional regulations
- User data is handled in compliance with global privacy standards

## 8. Conclusion

Lucy AI is a global AI platform combining high-performance SDXL image generation technology with a Web3-based token economy.

LucyCoin functions as the core utility that supports long-term ecosystem growth..

