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-based FaceSwap / 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**:

0x000000000000000000000000000000000000dEaD

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..