

# Lucy AI & LucyCoin (LCAI) Official Whitepaper

Version 1.0 — 2025

## 1. Overview

Lucy AI is a next-generation generative AI image and video creation platform built exclusively on Stable Diffusion XL (SDXL)–based technology.

The platform focuses on high-quality image generation, advanced video workflows, and scalable GPU-based infrastructure.

LucyCoin (LCAI) is the official utility token of the Lucy AI ecosystem.

It is designed solely for in-platform utility, enabling users to unlock platform benefits, access advanced tools, and participate in the Lucy AI ecosystem.

LucyCoin is not an investment product. No ICO, presale, IEO, or public fundraising was conducted.

## 2. Market Analysis

- The global generative AI market exceeded \$65 billion in 2024.
- Increasing demand from content creators, developers, and AI-powered media platforms.
- Lucy AI focuses exclusively on SDXL optimization, providing higher image quality and stability compared to competing platforms.
- Designed for global expansion and diverse content use cases.

## 3. Technology Architecture

- Core Model: Stable Diffusion XL (SDXL)
- Backend: Node.js, Express, MongoDB
- Frontend: React, Vite
- GPU Infrastructure: RunPod (A100 / H100)
- Video Processing: ComfyUI, Video-to-Video pipelines

## 4. Tokenomics

- Token Standard: ERC-20
- Token Name: LucyCoin
- Symbol: LCAI
- Total Supply: 1,000,000,000 LCAI (fixed supply)
- Additional Minting: None

Distribution:

- Team: 20%
- Ecosystem Development: 30%
- Marketing: 15%

- Community: 10%
- Liquidity Pool: 15%
- Reserve: 10%

## 5. Burn Policy (Manual Burn)

LucyCoin adopts a fixed-supply deflationary model.

No additional tokens will ever be minted beyond the initial total supply.

Token holders may voluntarily reduce the circulating supply through a manual burn mechanism.

Users can permanently burn their own LCAI by sending tokens to the burn function or an irrecoverable burn address.

Burn Address:

```
0x00000000000000000000000000000000dEaD
```

Burned tokens are permanently removed from circulation and cannot be recovered.

## 6. Utility Model

LucyCoin is designed as a pure utility token within the Lucy AI platform.

LCAI may be used to:

- Unlock platform credits, features, and tools
- Access premium AI models and advanced generation options
- Gain eligibility for higher usage limits and platform benefits
- Participate in future ecosystem features

LucyCoin is not a payment method and does not represent ownership, profit-sharing, or financial returns.

## 7. Roadmap

Q4 2025:

- LucyCoin launch
- SDXL performance optimization

Q1 2026:

- Creator tools expansion
- AI-assisted prompt generation

Q2 2026:

- Mobile application release
- Advanced real-time video workflows

Q3 2026:

- LucyCoin utility expansion
- Ecosystem participation features

## 8. Legal Notice

LucyCoin (LCAI) is a utility token and is not intended as an investment or security. Holding LCAI does not guarantee financial returns.

Lucy AI may restrict certain content or features depending on applicable regional laws. User data is handled in compliance with global privacy and data protection regulations.

## 9. Conclusion

Lucy AI combines high-performance Stable Diffusion XL technology with a carefully designed Web3 utility ecosystem.

LucyCoin serves as the core utility token that supports platform engagement, feature access, and long-term ecosystem sustainability.

