



WHITEPAPER

SHEEP DEFENDER AI



1. INTRODUCTION

1.1 Overview

Sheep Defender is a groundbreaking GameFi project that combines real-time strategy tower defense gameplay, NFTs, adaptive AI, and advanced blockchain technology. Set in a vivid world where intelligent sheep must defend their village from relentless wolves, the game transforms strategic choices into thrilling survival experiences.

Built to run seamlessly on both Telegram and Web, Sheep Defender is accessible globally—no downloads, no wallets required for new players. Engage in dynamic battles, collect valuable assets, and participate in a sustainable Play-to-Earn ecosystem powered by the \$SDA token and NFT ownership.

1.2 Vision

To become the leading AI-integrated strategy GameFi platform on social networks, bringing blockchain gaming to the masses—from traditional gamers to first-time Web3 explorers.

1.3 Mission

- Deliver an immersive and strategic gaming experience for all players.
- Provide real financial value through a transparent Play-to-Earn model.
- Empower the community with staking, governance, and co-creation via DAO.
- Incorporate adaptive AI for infinitely replayable and evolving gameplay.

1.4 Key Differentiators

- AI-Driven Wolves: Enemies evolve based on your tactics—no two battles are the same.
- Telegram Mini-Game: Instant Play-to-Earn access. No wallet? No problem.
- Abstractchain + Base network: Low fees, fast transactions, and Web3-native integration.
- Evolving NFTs: Characters, lands, pets, and items can evolve and grow over time.
- Cooperative Strategy: Team roles require collaboration for success in PvE & PvP.



2. STORY & GAMEPLAY

2.1 STORYLINE

In the world of Sheep Defender, players take the role of intelligent sheep living in peaceful meadows, constantly under threat from adaptive wolf hordes. Cooperation and smart tactical decisions are essential to defend the village and ensure survival.

2.2 GAME FEATURES

- AI Strategy: Wolves adapt based on player behavior using machine learning.
- PvE & PvP Modes: Fight AI-controlled wolves or challenge players in ranked battles.
- Resource Management: Gather food, build defenses, upgrade skills.
- NFT Integration: Unique sheep avatars, lands, items, and pets as tradable NFTs.
- Telegram Mini-Game: Quick daily challenges directly in chat.
- Leaderboards & Rewards: Weekly \$SDA and exclusive NFTs for top performers.
- Guild System: Players can form guilds, strategize, and win major PvE raids.
- AI Pets: NFT pets provide passive buffs and evolve through gameplay.

2.3 GAME RULES

- Matches end when players are defeated or time runs out.
- Each role has specific abilities—collaboration is key.
- Wolves adapt using AI; strategy is always evolving.
- One revive per game via \$SDA or special NFT.
- Weekly PvE/PvP winners receive \$SDA & rare NFTs.
- Inactivity or bots = instant disqualification.

2.4 CORE MECHANICS

GAME OBJECTIVE	Defend the sheep village from waves of wolves
PLATFORM	2D tower defense on Telegram and Web
IN-GAME CURRENCY	Earn and spend \$SDA
AI ENEMY SCALING	Wolves grow smarter and stronger with each wave
PLAYER ROLES	Builder, Warrior, Scout—each with unique strengths
UPGRADES	Use XP & \$SDA to enhance units, traps, and defenses
NFT GEAR	Equip sheep with tradable NFTs to boost stats
mini-GAMES	Telegram-based fast rounds and daily missions

3. BLOCKCHAIN & NFT ECOSYSTEM

Platform & Smart Contracts

- Blockchain: Runs natively on Base, optimized for speed, security, and low fees.
- Smart Contracts: Govern game logic, rewards, and marketplace activity.

NFT Types

- Sheep & Wolves: AI-based NFTs that evolve and unlock new abilities.
- Lands: Provide gameplay buffs and passive income.
- Equipment: Tradable NFTs that enhance player stats.
- AI Pets: Companion NFTs offering in-game buffs and growth potential.

Cross-Chain Support

- NFTs can be bridged to other Ethereum-compatible networks.
- NFT Fusion: Combine two NFTs into stronger variants with unique traits.



4. DEVELOPER TOOLS & INFRASTRUCTURE

TOOLS

- Base SDK: For smart contract deployment.
- Unity/Unreal Engine: For high-quality visuals and animations.
- IPFS/Decentralized Storage: For secure data and asset protection.
- AI/ML Models: Power adaptive gameplay and AI behaviors.
- Telegram Bot API: Integrates game directly into Telegram chat.
- ELIZA OS + PPW Ai: AI assistant for in-game interaction and content generation.

INFRASTRUCTURE

- Base Rollups: Near-instant transaction finality and scalability.
- Decentralized Nodes: Fair validation and on-chain logic execution.
- Oracles: Feed real-time data to trigger events and rewards.
- Stripe Connect + 1099 Compliance: Fiat payouts for eligible users (U.S. compliant).
- Analytics Dashboard: Real-time game metrics and user engagement.

STAKING, DAO & TREASURY

Inspired by the AXS model, \$SDA introduces decentralized ownership:

Community Treasury

Collects revenue from:

- In-game marketplace (e.g., NFT trading fees)
- Upgrade burns
- Seasonal event entry fees

Used for:

- Staking rewards
- Community proposals
- Ecosystem funding (e.g., tournaments, expansions)

Staking

- Lock \$SDA to earn passive rewards and voting rights.
- Unlock exclusive NFTs and game benefits for long-term holders.

DAO Governance

Token holders vote on:

- Game features and balance changes
- Economic updates
- Seasonal content and expansion decisions

Community-led proposals evolve the ecosystem over time.



ROADMAP

(Q2 - 2025)

(Q3 - 2025)

(Q4 - 2025)

(Q1 - 2026)

Phase 1 (Q2 - 2025)

- Telegram mini-game alpha launch, \$SDA fair launch, marketing push

Phase 2 (Q3 - 2025)

Beta release with NFT integration and P2E features

Phase 3 (Q4 - 2025)

- Full Web/Mobile game launch, DAO voting system, PvP tournaments

Phase 1 (Q1 - 2026)

Guild features, AI pets, seasonal game modes



MEET OUR TEAM



TOKENOMICS & \$SDA UTILITY

Core Token: \$SDA (Sheep Defender Asset)

\$SDA powers all game mechanics, upgrades, governance, and rewards within the Sheep Defender ecosystem. It uses a deflationary design to preserve long-term value and support sustainable growth.

Total Supply

100,000,000 SDA tokens (Fixed)

Burn Mechanics

- 2% Burn on Transactions: Applies to each DEX trade.
- Upgrade Burn: 30–50% of \$SDA spent on upgrades is permanently burned.
- P2E Burn: Portion of monthly P2E rewards are burned to control inflation.
- Circulation Control: No inflation; staking and treasury slow token velocity.



Coming Soon
100%

DISCLAIMER

Sheep Defender is a blockchain-based game involving NFTs and cryptocurrencies. Participation involves financial risk, including the loss of digital assets. Players are advised to conduct thorough research before participating.

This document is not financial advice or a solicitation to invest. All features, content, and roadmaps are subject to change. The Sheep Defender team is not liable for financial loss due to gameplay, token trading, or use of third-party platforms. Compliance with local laws and regulations is the responsibility of the player.

We reserve the right to adjust mechanics, tokenomics, or ecosystem structure to ensure long-term sustainability and balance.



THANK YOU