

Introduction

Asset tokenization has long been an anticipated trend in the crypto industry, yet until now it has been hindered by high fees, lack of trust in tokenization, legal gaps, and poor user experience. We decided to invert the approach: to create not just a token, but a comprehensive ecosystem architecture offering real advantages for all market participants—investors, traders, and users.

IBITI is a utility token on BSC supported by a deflationary model, buyback & burn mechanisms, DAO governance, and the ability to reduce fees through NFT discounts. The project launches as next-generation DeFi infrastructure, where every transaction and every role within the system is built around economic incentives and transparent logic.

Architecture

The core IBITI token contract is implemented according to the ERC-20 standard (e.g., `BaseToken` or `IBITICoin.sol`), with precise initial emission parameters, 8 decimal places, and controllable burn and delegated-voting functions (`ERC20Votes`). The contract provides flexible logic including pausing (`Pausable`), ownership control (`Ownable`), integration with other ecosystem modules, and DAO-based parameter management. This implementation ensures secure, transparent token issuance, initial distribution in line with our plan, and extensibility for future ecosystem features.

At the center of the ecosystem is the **IBITI** token (ERC-20, 8 decimals), governed by the following smart contracts:

- **IBITINFT**: ERC-721 contract for jackpot NFTs and discount NFTs—implements minting, metadata URI storage, lifetime checks, and automatic burning on expiry.
- **PhasedTokenSale**: multi-phase token sale with tiered pricing, volume bonuses, a referral program, and a fallback sale phase after the main phases.
- **NFTSaleManager**: NFT discount sale point accepting IBITI or USDT, with price determined by a `VolumeWeightedOracle`.
- **NFTDiscount**: mechanism for varied NFT-based fee discounts, including Jackpot NFTs (365-day discount, auto-burn on expiry) and Pandora NFTs (lifetime 100% discount, no expiry).
- **BuybackManager**: automatic repurchase of IBITI using USDT/BUSD and burning to support the deflationary model.
- **BridgeManager**: cross-chain bridge with mint/burn limits to safely transfer tokens between networks.
- **StakingModule**: reward pool offering up to 30% APY and NFT awards for long-term holding.
- **DAOModule**: governance module using `ERC20Votes` for on-chain voting on key ecosystem parameters.
- **UserStatusManager**: tracks participant status for personalized discounts and privileges.
- **FeeManager**: dynamic fee system (0–50%) considering NFT discounts, holding duration, and VIP status.
- **TeamVesting**: team vesting contract for 10% of emission—6-month cliff, then linear release over 6 months after a 3-year cliff.

- **VolumeWeightedOracle**: oracle to determine accurate IBITI price during sale phases and NFT purchases.

All modules integrate into a unified IBITI architecture, delivering flexibility, governance, and scalability.

Motivation and Market Need

The current blockchain market is oversaturated with "meme coins" that lack real utility and long-term vision. Many projects exist solely for speculative spikes followed by rapid crashes. IBITI addresses these core industry weaknesses:

Problem	IBITI Solution	Component(s)
No incentives to hold or participate in governance	High-yield staking up to 30% APY, NFT rewards, and on-chain voting for project strategy	StakingModule, NFTSaleManager, DAOModule
Inefficient fixed fees	Dynamic fee system: part of each transaction is burned, part accumulated for DAO-decided rewards	FeeManager
No liquidity control post-listing	Automated buyback and burn on DEX to support price and deflationary pressure	BuybackManager
Unfair tokenomics for early investors	Phased Sale with volume bonuses and referral program, supplemented by up to 100% NFT discounts	PhasedTokenSale, NFTDiscount
Inflexible parameter adjustments	Modular DAO governance enables quick tweaks to yields, fees, buyback mechanics, and marketing	DAOModule, DAOModuleImplementation

IBITI's modular, on-chain design allows rapid adaptation to market shifts: - **Oracle Module** (VolumeWeightedOracle) ensures transparent, objective pricing. - **Cross-chain Bridges** (BridgeManager) expand liquidity across networks. - **Combined buyback & burn** maintain long-term price growth.

Thus, IBITI is not another meme token but a complete DeFi product with sustainable demand drivers, robust economics, and clear investor/community value.

IBITI Economic Model

Emission and Initial Distribution

Parameter	Value
Total Supply	100,000,000 IBITI (8 decimals)
Token Contract	IBITICoin.sol

Category	Share %	Amount	Address/Contract
Reserve Pool	20%	20,000,000	reserveWallet
Team (Vesting)	10%	10,000,000	TeamVesting
Founder / Operations	70%	70,000,000	founderWallet
Total	100%	100,000,000	

Note: 10,000,000 IBITI (10%) were sent to `TeamVesting` upon deployment.

Demand Drivers & Utility

- **Phased Sales:** Three phases with adjustable prices, volume bonuses, and referral rewards.
- **Post-Phase Dynamics:** After phases, token price set by oracle (VWAP + Uniswap fallback).
- **NFT Incentives:**
 - **Jackpot NFTs:** rare airdrops on token purchases (1-year lifetime).
 - **Discount NFTs:** up to 100% fee discount on future purchases.
 - **Staking:** Up to 30% APY + NFT awards for long-term holders.

Fees & Allocation

Fee Source	Rate	Allocation
IBITI & NFT Transactions	1-10%	Burn (if enabled) + remainder → <code>FeeManager</code> pool
Cross-chain Bridges	0.1-1%	Retained by off-chain bridge operator
Early Unstake Penalty	Penalty	Split between DAO (<code>StakingModule</code>) & <code>BuybackManager</code>

Deflationary Mechanisms

- **Buyback & Burn** (`BuybackManager`): accrued USDT/IBITI is used to buy IBITI on DEX and burn a portion.
- **Per-Transfer Burns** (`FeeManager` + `burnEnabled`).
- **NFT Discount Burns:** using an NFT discount burns part of the discount pool.

Team Vesting Schedule (10,000,000 IBITI)

Stage	% of 10M	Amount
Immediately (0 days)	20%	2,000,000
After 6 months	+30%	3,000,000
Year 3 → 3.5 years (linear)	50%	5,000,000
Total	100%	10,000,000

Governance & Sustainability

- **DAO Governance** (`DAOModule`): on-chain votes on fees, buyback, marketing, upgrades.
- **Oracle** (`VolumeWeightedOracle`): dynamic price adjustments for sales and buybacks.
- **Bridges** (`BridgeManager`): expand markets and fee flows.

IBITI combines classic ERC-20 economics with advanced DeFi mechanics—phase/dynamic sales, NFT incentives, high-yield staking, layered deflation, cross-chain extension, and on-chain DAO. This ensures long-term stability, inflation/deflation balance, and flexible governance in evolving markets.

Pre-Launch Token Sale

The sale contract implements a multi-level IBITI sale with dynamic prices, volume bonuses, NFT airdrops, and referrals.

Sale Phases

Phase	Price/Token	Token Limit	Duration
Phase 1	\$0.10	10,000,000	7 days
Phase 2	\$0.20	10,000,000	7 days
Phase 3	\$0.30	10,000,000	7 days
Fallback	\$0.30	Unlimited	Until listing

Phase transitions occur automatically by time or when limits are reached.

Volume Bonuses

Condition	Bonus	Pool Size
≥ 10 IBITI purchased	+10%	500,000 IBITI

Bonuses apply at purchase until the bonus pool is exhausted.

Dynamic Discounts

Phase	Base Price	Discounted Price ($\geq 10,000$ IBITI)
Phase 1	\$0.10	\$0.05
Phase 2	\$0.20	\$0.15
Phase 3	\$0.30	\$0.25

Discounts apply automatically without whitelist—just purchase $\geq 10,000$ IBITI.

Referral Program

Action	Reward
Referred user buys ≥ 10 IBITI	Referrer gets +1 IBITI

- Only the first purchase counts.
- Referral pool limited to 100,000 IBITI.
- Referral can be set once via form or link.

NFT Jackpots

- Each token purchase triggers an automatic NFT discount airdrop:

NFT Type	Discount	Validity	Auto-burn on expiry
Drop-NFT	5%	30 days	Yes

NFTs are minted from `NFTDiscount` contract using predetermined CIDs.

Security Measures

- Single-time configuration via `configure-phased-sale.js` prevents reinitialization.
- Bonus and referral overflows are prevented by hard limits.
- Managed NFT drops ensure no duplicates.

NFTs in IBITI: More than Art

IBITI NFTs are functional tools directly affecting your in-system economics. The `NFTDiscount` contract implements a flexible discount model with auto-management, limits, and custom logic per NFT tier.

NFT Features

- Up to 100% fee discount (e.g., Epic, Pandora).
- Multi-tier system: Normal, Rare, Legendary, Epic, Pandora, Jackpot—each with:
- Discount percentage
- Validity period
- Usage and transfer limits
- Individual cooldowns

- Auto-burn on expiry (except Jackpot)
- **Jackpot NFTs:** awarded only via token purchases, staking, or voting; valid for 365 days; minted only by trusted modules.
- Monthly mint/transfer caps to prevent speculation.
- Unique URIs ensure no duplicate NFTs.
- Discount operator role controls minting logic.

NFT Business Logic

- Purchase via `nft.html` using IBITI or USDT (or other), price set dynamically by `VolumeWeightedOracle` (fixed pricing optional).
- NFTs (except Pandora) expire or burn on use.
- Each NFT usable once (except Pandora), ensuring sustainable economics and high demand.

Security & Control

IBITI's architecture adheres to top security, resilience, and reliability standards.

Protection Layers

- All contracts undergo final audits (manual & automated with MythX, Slither).
- Role-based access (`Ownable` , `AccessControl`) restricts critical functions to trusted modules or DAO.
- `Pausable` across modules enables emergency function shutdowns (mint, transfer, burn, claim).
- Rescue protocol returns accidentally sent funds.
- Rate limits and anti-spam/fraud mechanisms protect NFT mints, sales, and DAO votes.
- Modular design isolates failures to individual components.

Code & Governance Control

- DAO voting (`ERC20Votes`) governs key parameters—changes only via community proposals.
- Immutable parameters in core modules (e.g., `TeamVesting` schedule, `BridgeManager` limits).
- Limited critical-access functions reduce operator error impact.

Technical Reliability

- EIP-compliant, optimized for BSC (low fees, high throughput).
- Latest OpenZeppelin libraries used.
- Trusted oracles (Chainlink, `VolumeWeightedOracle`) only.

Governance & Compliance

On-Chain Management

Component	Control Mechanism	Key Features
DAOModule	<code>Ownable</code> , <code>Pausable</code> , <code>ERC20Votes</code>	On-chain voting with token thresholds, proposals, execution





Component	Control Mechanism	Key Features
BridgeManager	<code>Ownable</code> , <code>Pausable</code> , controller switchable	Whitelist trusted bridges, DAO-controlled, mint/burn limits
FeeManager	<code>Ownable</code> , <code>Pausable</code>	Configure base/max fees, enable discounts, emergency pause
StakingModule	<code>Ownable</code> , <code>Pausable</code> , <code>ReentrancyGuard</code>	Configure reward pool, emergency pause, token rescue
UserStatusManager	<code>Ownable</code> , <code>Pausable</code>	VIP/Whale thresholds, override controls
TeamVesting	<code>Ownable</code> , <code>Pausable</code> , <code>ReentrancyGuard</code>	Team token release schedule, pause/ rollback
Pattern	OpenZeppelin (<code>Ownable</code> + <code>Pausable</code>)	Emergency stops, clear owner vs DAO roles


Compliance Model

- **Hybrid KYC/AML:** on-chain trading, staking, voting, and NFT trading require no verification. Fiat gateways and bridges (Jumio, Onfido) in key jurisdictions require KYC/AML.
- **Data Transparency:** only user addresses and transaction amounts stored on-chain. Off-chain data minimized and encrypted (AES-256, TLS1.3).
- **Legal Oversight:** regular external audits (CertiK, Hacken) and compliance checks (PSD2, FinCEN, MAS/JFSA).
- **Risk Management:** operation limits in bridges/staking, real-time monitoring (Chainalysis, Ciphertrace), emergency pauses.

Key takeaway: KYC/AML applies only to fiat on-ramps; internal IBITI ecosystem remains permissionless and anonymous.

Roadmap (2025–2026)

Date/ Period	Milestone	Status
Q2 2025	Complete audits; deploy all contracts on BSC Mainnet; dApp and Web3 frontend testing on Testnet	 Done
July 1, 2025	Launch PhasedTokenSale with dynamic pricing, volume bonuses, referral, and NFT jackpot airdrop	 Upcoming
Q3 2025	List IBITI/USDT on PancakeSwap & Uniswap v3 L2; activate BuybackManager; launch NFTSaleManager; integrate oracle	 Planned
Q4 2025	Launch DAO governance; start staking payouts; expand FeeManager & UserStatusManager; develop IBITI Wallet (iOS/Android)	 Planned

Date/ Period	Milestone	Status
2026	Deploy BridgeManager on additional chains; launch NFT marketplace; implement proxy scaling; launch DAO token; partner integrations	 Future

No separate governance token planned—voting via IBITI ([ERC20Votes](#)). Roadmap updates via DAO proposals and quarterly reports.

Conclusion

IBITI is more than an ERC-20 token—it's a modular DeFi platform with proven economics and real growth drivers:

- 100M supply with transparent distribution (10% TeamVesting, 20% reserve, 70% main pool)
- Up to 30% APY in staking + NFT holding rewards
- Auto buyback & burn on DEX for price support and deflation
- Phased & dynamic sales with volume bonuses and NFT discounts up to 100%
- DAO governance with on-chain voting ([ERC20Votes](#)) and multi-sig
- Hybrid KYC/AML: only fiat bridges require verification; ecosystem remains permissionless

We are building the foundation for the next crypto cycle—where holding is strategy, participation is influence, and growth is engineered, not hype.

Next Steps for Investors: 1. Review the detailed financial model and private round terms. 2. Join the closed investor channel for exclusive insights. 3. Meet the team to discuss ROI, exit strategies, and legal protections.

IBITI is not just a token—it's a complete ecosystem uniting modern DeFi's best features: flexible tokenomics, incentive NFTs, DAO governance, robust architecture, and built-in scalability. Every transaction contributes to an economy that rewards users and amplifies their voice.

Contacts: - Phone: +380 66 303 2778 - Email: info@ibitcoin.com - Website: <https://ibitcoin.com> - CEO: Vladimir (reker198079@gmail.com)