



WHITEPAPER

Algorim Token (ALGM)

THE FUTURE OF AI-POWERED BLOCKCHAIN

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1. INTRODUCTION

The ALGORIM Token (ALGM) represents a next-generation digital asset built on the BNB Smart Chain (BSC) utilizing the BEP-20 token standard. Designed with a fixed supply of 51,000,000 ALGM, ALGORIM aims to establish a robust and transparent digital economy with clearly defined tokenomics and a commitment to long-term value creation.

This whitepaper provides a comprehensive overview of the ALGORIM Token project, covering its technical architecture, tokenomics model, smart contract implementation, and future roadmap. The document is intended for investors, developers, and community members seeking a thorough understanding of the ALGORIM ecosystem.

2. PROJECT VISION & MISSION

Vision:

To establish ALGORIM as a trusted and transparent digital asset that empowers

users with financial sovereignty through blockchain technology.

Mission:

- Provide a fixed-supply digital token with transparent and verifiable tokenomics
- Leverage the BEP-20 standard for fast, low-cost transactions on BNB Smart Chain
- Build a sustainable ecosystem that creates long-term value for token holders
- Ensure security and trust through audited smart contracts and transparent governance

3. THE ALGORIM ECOSYSTEM

ALGORIM is more than just a token—it is the foundation of a growing ecosystem designed to bridge traditional finance with decentralized technology. The ecosystem encompasses:

- Digital Payments: Fast and low-cost transactions using ALGM tokens
- Decentralized Finance (DeFi): Integration with lending, staking, and liquidity protocols
- Community Governance: Token holders participate in key project decisions
- Developer Tools: APIs and SDKs for building on the ALGORIM platform

4. BEP-20 TOKEN STANDARD

4.1 What is BEP-20?

BEP-20 is the predominant token standard on the BNB Smart Chain (BSC). It defines a comprehensive set of rules and functions that tokens on the BSC must follow, ensuring seamless integration with wallets, exchanges, and decentralized applications (DApps) across the network.

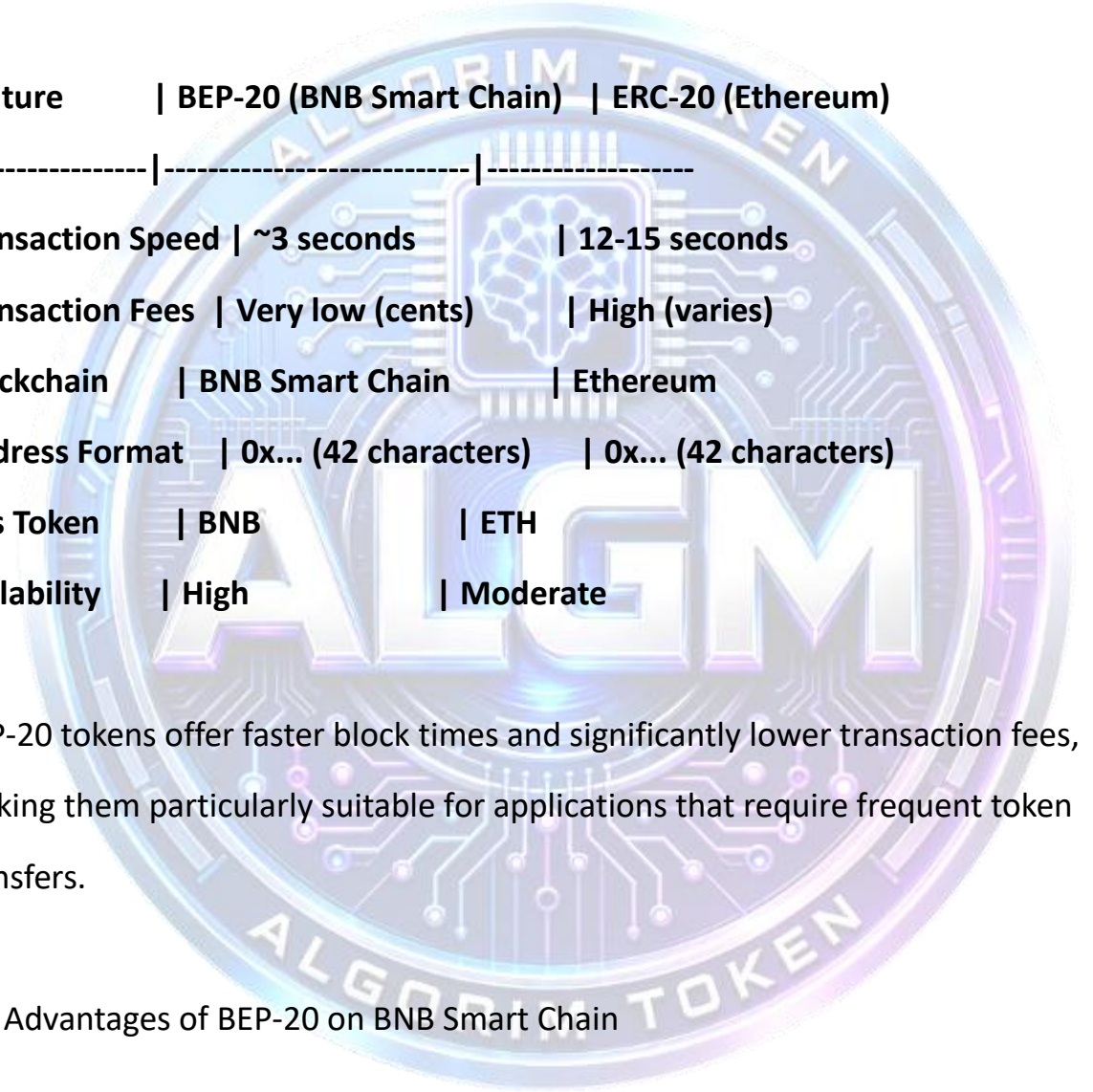
The BEP-20 standard was conceived as a technical specification for BNB Smart Chain, extending the functionality of Ethereum's ERC-20 standard to provide a flexible format for developers to launch a wide range of tokens.

Key features of the BEP-20 standard include:

- Balance Management: Functions to check token balances of any address
- Token Transfers: Secure transfer of tokens between addresses
- Approval & Allowance: Granting permission for third-party spending
- Total Supply Tracking: Transparent tracking of total token supply
- Minting & Burning: Creation and destruction of tokens

4.2 BEP-20 vs. ERC-20

While BEP-20 is derived from and compatible with Ethereum's ERC-20 standard, there are several key differences:



Feature	BEP-20 (BNB Smart Chain)	ERC-20 (Ethereum)
Transaction Speed	~3 seconds	12-15 seconds
Transaction Fees	Very low (cents)	High (varies)
Blockchain	BNB Smart Chain	Ethereum
Address Format	0x... (42 characters)	0x... (42 characters)
Gas Token	BNB	ETH
Scalability	High	Moderate

BEP-20 tokens offer faster block times and significantly lower transaction fees, making them particularly suitable for applications that require frequent token transfers.

4.3 Advantages of BEP-20 on BNB Smart Chain

1. Low Transaction Costs: BNB Smart Chain offers some of the lowest gas fees
2. High Throughput: ~3-second block times enable high transaction capacity
3. Ethereum Compatibility: Fully compatible with Ethereum tools, wallets, DApps

4. Growing Ecosystem: BSC hosts one of the largest DeFi ecosystems

5. Cross-Chain Potential: BEP-20 tokens can be bridged to other networks

5. ALGORIM TOKEN (ALGM)

5.1 Token Overview

Attribute	Details
-----------	---------

Token Name	ALGORIM Token
------------	---------------

Token Symbol	ALGM
--------------	------

Token Standard	BEP-20
----------------	--------

Blockchain	BNB Smart Chain (BSC)
------------	-----------------------

Decimals	18
----------	----

Total Supply	51,000,000 ALGM
--------------	-----------------

Contract Address	0x4a55a25bffc119073b1c860cc8ca1621b714929
------------------	---

Website	algorim.io
---------	------------

Email	support@algorim.io
-------	--------------------

5.2 Token Specifications

Name: ALGORIM Token

Symbol: ALGM

Decimals: 18

Initial Supply: 51,000,000 ALGM

5.3 Contract Address

0x4a55a25bffc119073b1c860cc8ca1621b714929

6. TOKENOMICS

6.1 Total Supply & Distribution

The ALGORIM Token has a fixed maximum supply of 51,000,000 ALGM. No additional tokens will ever be minted beyond this amount.

Allocation Category | Percentage | Amount (ALGM)

-----|-----|-----

Presale | **10%** | **5,100,000**

Public Sale | **50%** | **25,500,000**

Marketing | **10%** | **5,100,000**

Development | **10%** | **5,100,000**

Management | **20%** | **10,200,000**

TOTAL | **100%** | **51,000,000**

6.2 Allocation Breakdown

Presale (10% – 5,100,000 ALGM)

Allocated for early investors and strategic partners participating in the presale round. This allocation helps bootstrap the project's initial liquidity and community growth.

Public Sale (50% – 25,500,000 ALGM)

The largest allocation, reserved for the public sale event. This ensures wide distribution of tokens and broad community participation.

Marketing (10% – 5,100,000 ALGM)

Dedicated to marketing initiatives, including:

- Community building and engagement

- Influencer partnerships
- Educational content creation
- Brand awareness campaigns

Development (10% – 5,100,000 ALGM)

Funds allocated for ongoing development:

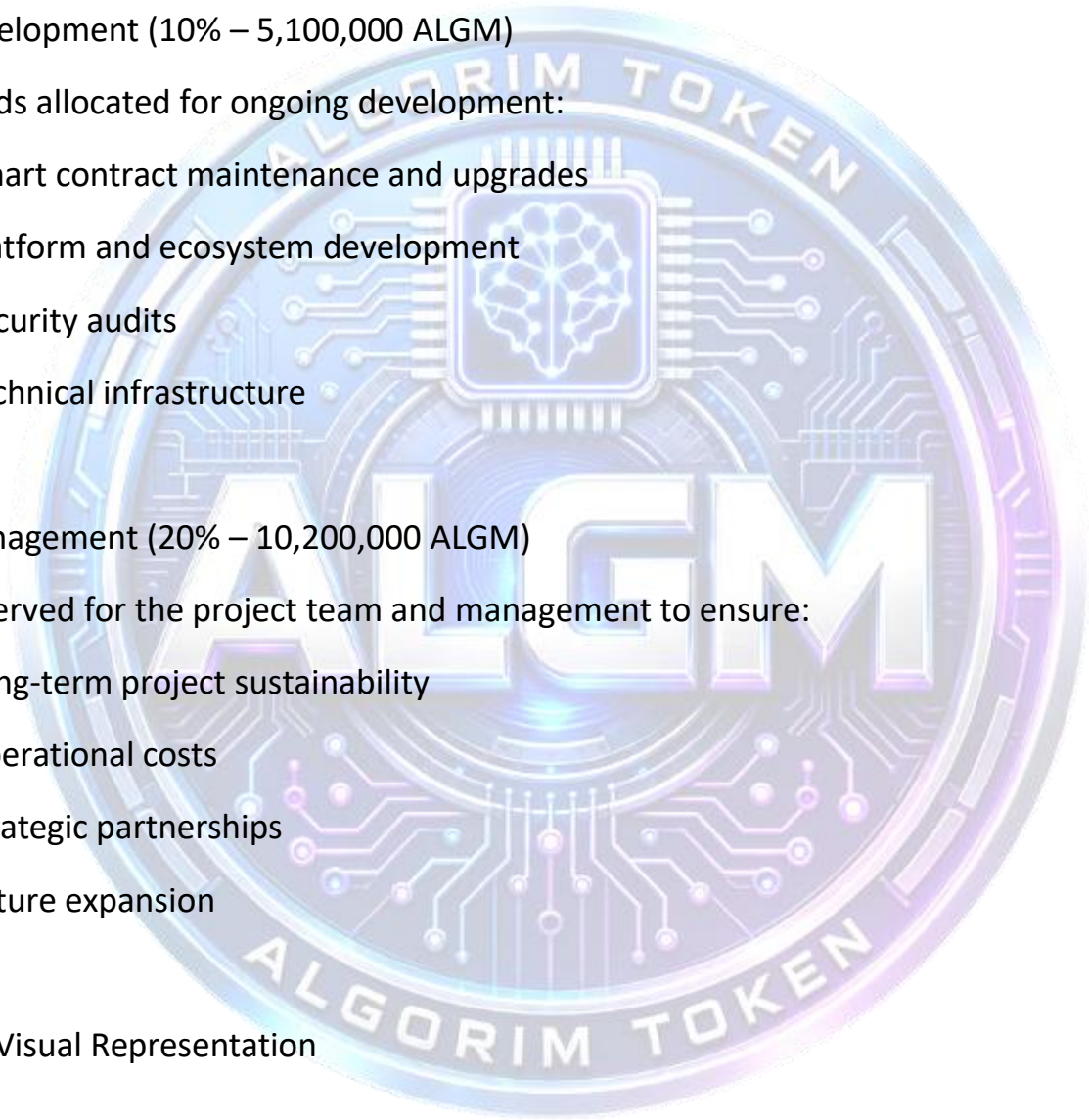
- Smart contract maintenance and upgrades
- Platform and ecosystem development
- Security audits
- Technical infrastructure

Management (20% – 10,200,000 ALGM)

Reserved for the project team and management to ensure:

- Long-term project sustainability
- Operational costs
- Strategic partnerships
- Future expansion

6.3 Visual Representation



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| ALGM TOKENOMICS |



10% Presale



50% Public Sale



10% Marketing



10% Development



20% Management

Presale: 5,100,000 ALGM (10%)	
Public: 25,500,000 ALGM (50%)	
Marketing: 5,100,000 ALGM (10%)	
Dev: 5,100,000 ALGM (10%)	
Mgmt: 10,200,000 ALGM (20%)	
TOTAL SUPPLY: 51,000,000 ALGM	

-----+

7. SMART CONTRACT CODE

7.1 Contract Overview

The ALGORIM Token smart contract is built on the OpenZeppelin framework, the industry standard for secure and audited smart contract development. The contract implements the BEP-20 standard with additional features for fixed supply and token burning.

Key Features:

- Fixed maximum supply (51,000,000 ALGM)
- No minting function after deployment
- Burn function for holders to destroy their own tokens
- Ownership can be renounced
- Transparent tokenomics distribution

7.2 Full Source Code

```
// SPDX-License-Identifier: MIT
```

```
pragma solidity ^0.8.20;
```

```
import {ERC20} from "@openzeppelin/contracts/token/ERC20/ERC20.sol";  
import {Ownable} from "@openzeppelin/contracts/access/Ownable.sol";
```

```
/**
```

```
 * @title ALGORIM Token
```

```
 * @notice Fixed-supply ERC-20/BEP-20 compatible token.
```

```
 *
```

```
 * Name: ALGORIM Token
```

```
 * Symbol: ALGM
```

```
 * Decimals: 18
```

```
 * Initial supply: 51,000,000 ALGM
```

```
 *
```

```
 * Features:
```

```
 * - Fixed supply
```

```
 * - No minting after deployment
```

```
 * - Holders can burn only their own tokens
```

```
 * - No burnFrom function
```

```
 * - Ownership can be renounced
```

```
 * - Initial tokenomics distribution
```

```
 */
```

```
contract AlgorimToken is ERC20, Ownable {
```

```
    uint256 public constant MAX_SUPPLY =
```

```
        51_000_000 * 10 ** 18;
```

uint256 public constant PRESALE_ALLOCATION =

5_100_000 * 10 ** 18;

uint256 public constant PUBLIC_SALE_ALLOCATION =

25_500_000 * 10 ** 18;

uint256 public constant MARKETING_ALLOCATION =

5_100_000 * 10 ** 18;

uint256 public constant DEVELOPMENT_ALLOCATION =

5_100_000 * 10 ** 18;

uint256 public constant MANAGEMENT_ALLOCATION =

10_200_000 * 10 ** 18;

constructor(

address presaleWallet,

address publicSaleWallet,

address marketingWallet,

address developmentWallet,

address managementWallet,

address initialOwner



```
)  
ERC20("ALGORIM Token", "ALGM")  
Ownable(initialOwner)  
{  
    require(  
        presaleWallet != address(0),  
        "ALGM: invalid presale wallet"  
    );  
  
    require(  
        publicSaleWallet != address(0),  
        "ALGM: invalid public sale wallet"  
    );  
  
    require(  
        marketingWallet != address(0),  
        "ALGM: invalid marketing wallet"  
    );  
  
    require(  
        developmentWallet != address(0),  
        "ALGM: invalid development wallet"  
    );  
}
```



```
require(  
    managementWallet != address(0),  
    "ALGM: invalid management wallet"  
);
```

```
require(  
    initialOwner != address(0),  
    "ALGM: invalid owner"  
);
```

```
address[5] memory allocationWallets = [  
    presaleWallet,  
    publicSaleWallet,  
    marketingWallet,  
    developmentWallet,  
    managementWallet  
];
```

```
// Prevent duplicate tokenomics wallets.
```

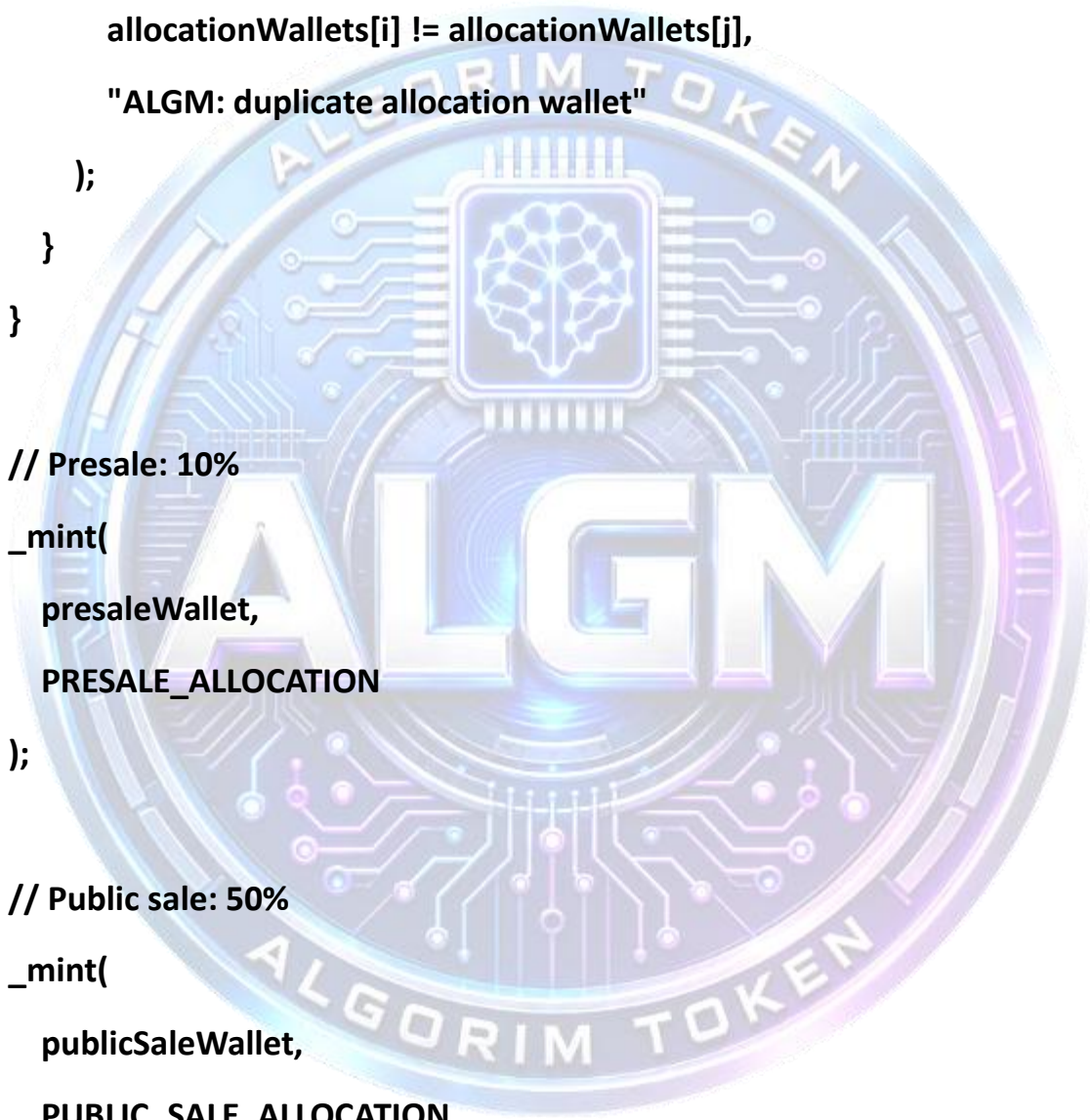
```
for (uint256 i = 0; i < allocationWallets.length; i++) {  
    for (  
        uint256 j = i + 1;
```

```
j < allocationWallets.length;
j++
){
    require(
        allocationWallets[i] != allocationWallets[j],
        "ALGM: duplicate allocation wallet"
    );
}
}

// Presale: 10%
_mint(
    presaleWallet,
    PRESALE_ALLOCATION
);

// Public sale: 50%
_mint(
    publicSaleWallet,
    PUBLIC_SALE_ALLOCATION
);

// Marketing: 10%
```



```
_mint(
    marketingWallet,
    MARKETING_ALLOCATION
);

// Development: 10%
_mint(
    developmentWallet,
    DEVELOPMENT_ALLOCATION
);

// Management: 20%
_mint(
    managementWallet,
    MANAGEMENT_ALLOCATION
);

assert(totalSupply() == MAX_SUPPLY);
}

/**
 * @notice Burns tokens from the transaction sender's own balance.
 * @dev No wallet can use this function to burn another wallet's tokens.
```



*** Example:**

*** To burn 100 ALGM, pass:**

*** 100000000000000000000**

***/**

function burn(uint256 amount) external {

_burn(msg.sender, amount);

}

/**

*** @notice Returns the original maximum supply.**

*** @dev Burning reduces totalSupply but not MAX_SUPPLY.**

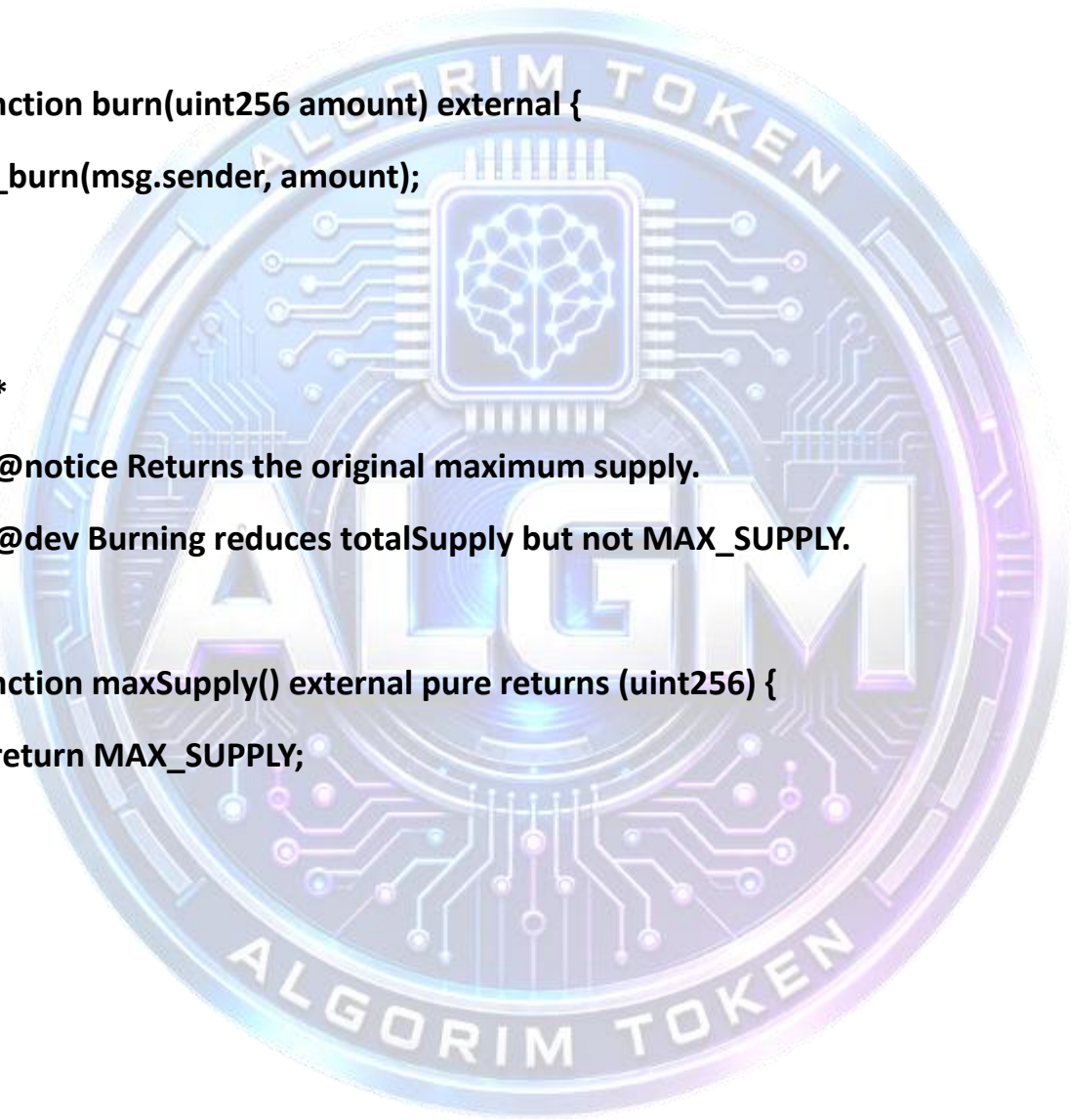
***/**

function maxSupply() external pure returns (uint256) {

return MAX_SUPPLY;

}

}



7.3 Security Features

The ALGORIM Token contract incorporates several security mechanisms:

1. Fixed Supply: MAX_SUPPLY is immutable and cannot be changed
2. No Minting: After deployment, no additional tokens can be minted
3. Safe Burn: Users can only burn tokens from their own balance
4. Input Validation: All constructor parameters are validated
5. Duplicate Prevention: Tokenomics wallets are checked for duplicates
6. Ownership Control: The Ownable pattern provides administrative control
7. OpenZeppelin Standards: Industry-tested and audited codebase

8. TECHNICAL ARCHITECTURE

8.1 Blockchain Foundation

ALGORIM Token operates on the BNB Smart Chain (BSC), a blockchain network that

runs in parallel with Binance's BNB Beacon Chain. BSC offers:

- Ethereum Virtual Machine (EVM) Compatibility: Enables seamless deployment of

Ethereum-compatible smart contracts

- Proof of Staked Authority (PoSA): A consensus mechanism combining Proof of Stake with Proof of Authority for high throughput
- Low Transaction Fees: Significantly lower than Ethereum mainnet
- Fast Finality: Block times of approximately 3 seconds

8.2 Smart Contract Functions

The ALGORIM Token contract implements the following key functions:

Function	Description
totalSupply()	Returns the total token supply
balanceOf(address)	Returns the token balance of an address
transfer(address, uint256)	Transfers tokens to another address
approve(address, uint256)	Approves a spender to transfer tokens
allowance(address, address)	Returns the remaining allowance
transferFrom(address, address, uint256)	Transfers tokens on behalf of another address
burn(uint256)	Burns tokens from the caller's balance
maxSupply()	Returns the maximum supply (51,000,000 ALGM)

8.3 Gas Efficiency

The ALGORIM Token contract is optimized for gas efficiency through:

- Use of OpenZeppelin's optimized ERC20 implementation
- Constant state variables where possible
- Efficient storage patterns
- Minimal external calls

9. USE CASES & UTILITY

The ALGORIM Token (ALGM) serves multiple purposes within its ecosystem:

Digital Payments

- Fast and low-cost peer-to-peer transactions
- Cross-border payments without intermediaries
- Merchant adoption and payment processing

Decentralized Finance (DeFi)

- Liquidity Provision: ALGM can be added to liquidity pools on DEXs
- Staking: Token holders can stake ALGM to earn rewards
- Lending & Borrowing: ALGM can be used as collateral in lending protocols

Governance

- ALGM holders participate in project governance
- Voting on key protocol decisions
- Proposal submission and community engagement

Ecosystem Growth

- Incentives for developers building on ALGORIM
- Rewards for community contributions
- Partnership and integration opportunities

10. ROADMAP

Phase 1: Foundation (Q3-Q4 2026)

- Smart contract development and deployment
- Tokenomics design and allocation
- Website launch (algorim.io)
- Community building and social presence

Phase 2: Launch (Q4 2026)

- Presale event
- Public sale
- DEX listing (PancakeSwap, etc.)
- Initial liquidity provision
- Marketing campaign

Phase 3: Ecosystem Development (Q1 2027)

- CEX listings
- Staking platform launch
- Community governance implementation
- Strategic partnerships

Phase 4: Expansion (Q2-Q3 2027)

- Cross-chain bridge integration
- Mobile wallet integration
- Developer tools and SDKs
- Expanded DeFi integrations



11. SECURITY & AUDITS

Contract Security

The ALGORIM Token smart contract has been developed with security as the highest priority:

1. OpenZeppelin Framework: Built on the most widely used and audited smart contract library
2. Immutable Supply: No minting function ensures supply cannot be inflated
3. No Admin Abuse: The contract does not include functions for unauthorized token transfers
4. Transparent Code: Full source code is publicly available and verifiable

Best Practices Implemented

- Input validation on all constructor parameters
- Prevention of duplicate wallet addresses
- Use of assert() for invariant checking
- No use of unsafe low-level calls

- Proper access control using Ownable pattern

Recommended Security Measures for Holders

- Store tokens in hardware wallets for maximum security
- Never share private keys or seed phrases
- Verify contract addresses before any transaction
- Use reputable wallets and exchanges

12. TEAM & GOVERNANCE

Project Leadership

The ALGORIM project is led by a team of experienced blockchain developers, financial experts, and community builders dedicated to creating a transparent and sustainable digital asset ecosystem.

Governance Model

ALGORIM employs a community-driven governance model where:

- ALGM holders can propose and vote on ecosystem changes

- Major decisions require community consensus
- Transparent voting mechanisms ensure fairness
- Regular community updates and AMA sessions

Community Channels

- Website: algorim.io
- Email: support@algorim.io
- Social Media: Follow ALGORIM on major platforms for updates

13. CONCLUSION

The ALGORIM Token (ALGM) represents a carefully designed digital asset built on the BNB Smart Chain using the BEP-20 standard. With its fixed supply of 51,000,000 tokens, transparent tokenomics, and secure smart contract implementation, ALGORIM provides a solid foundation for a sustainable digital economy.

Key strengths of the project include:

- Fixed Supply: 51,000,000 ALGM, ensuring scarcity and value preservation
- Transparent Tokenomics: Clearly defined allocation percentages for all

stakeholders

- Secure Contract: Built on OpenZeppelin standards with immutable supply
- BEP-20 Standard: Fast, low-cost transactions on BNB Smart Chain
- Community Focused: Governance model that empowers token holders

The ALGORIM team is committed to building a thriving ecosystem around the ALGM

token, creating long-term value for all stakeholders through continuous development, community engagement, and strategic partnerships.

14. DISCLAIMER

IMPORTANT: Please read this disclaimer carefully before purchasing or using ALGORIM Token (ALGM).

This whitepaper is for informational purposes only and does not constitute financial advice, investment advice, or a recommendation to buy or sell any cryptocurrency or digital asset.

Risk Factors:

1. **Market Volatility:** Cryptocurrency markets are highly volatile. The value of ALGM may fluctuate significantly.
2. **Regulatory Risks:** Cryptocurrency regulations vary by jurisdiction and may change, potentially affecting the token's legality or use.
3. **Technical Risks:** Smart contracts, while audited, may contain unforeseen vulnerabilities.
4. **Liquidity Risks:** There is no guarantee of sufficient liquidity for ALGM tokens on any exchange.
5. **Project Risks:** The success of the ALGORIM project depends on many factors, including community adoption and market conditions.

No Guarantees: The ALGORIM team makes no guarantees regarding the future performance, value, or success of the ALGM token or the ALGORIM project. Past performance does not indicate future results.

Responsibility: Purchasers of ALGM tokens are solely responsible for their own investment decisions and should conduct their own research (DYOR) before making any investment.

Jurisdictional Restrictions: ALGM tokens may not be available or legal in all jurisdictions. It is the responsibility of each token holder to ensure

compliance with applicable laws.

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For more information, visit algorithm.io or contact support@algorithm.io.

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