



**BINANCE**  
SMART CHAIN



# Security Audit

**Energy**

Website: <https://bsc.energy>

**Haze Security**  
11/22/2021

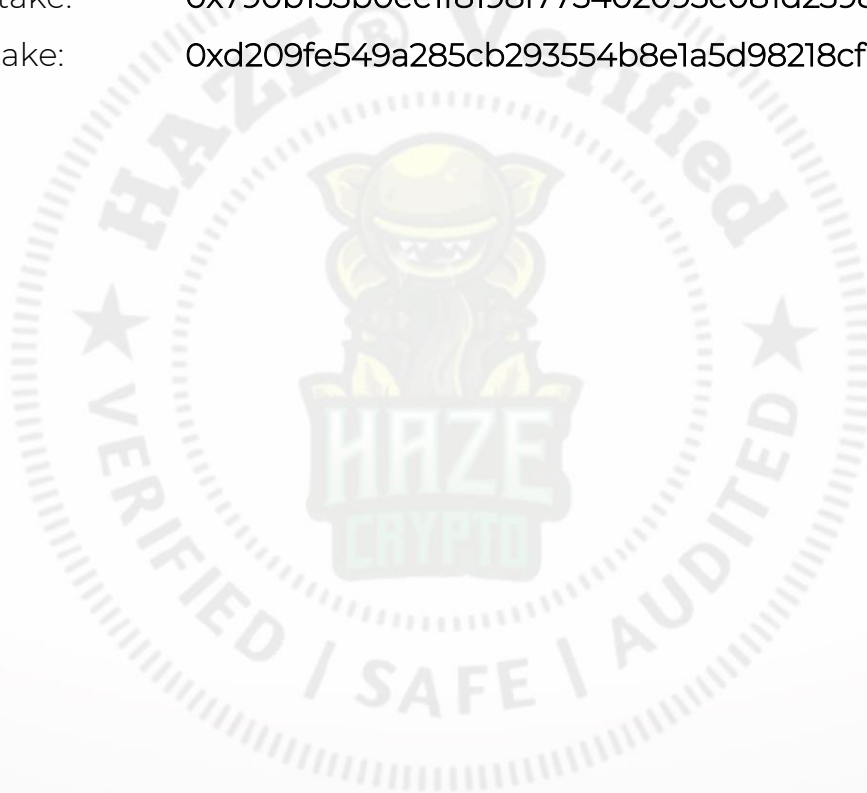


[www.hazecrypto.net](http://www.hazecrypto.net)

**Haze Security**

## Contracts

- Energy Token: 0xef35d68A0D572F6010532C7a15AC18F02a961E58
- Exchange: 0xd47802ea7c8730fa4732a1c374a2345480c7ba3a
- Lottery: 0x5980e9bb3ef5dc0e68d7baad8c7eb0511905277f
- MasterRef: 0xd067b108b16fe145d02c4891810bbe34b08cdbca
- MasterChef: 0x13d5a204d7fc9bffa1ab78aed2112ff23a2cedb6
- BNBStake: 0x956656adb3da6cc339ce0565111c12b5bdaaff7f
- BUSDStake: 0x0e8d5c862216cd0081cad8ea666e99242264ccb3
- CakeStake: 0x790b153b0ee1f8198f775402095e081d23984a53
- ADAStake: 0xd209fe549a285cb293554b8e1a5d98218cf1ff2d



## **CRITICAL ISSUES (critical, high severity): 0**

Critical and harmful access for owners, user block ability, Bugs and vulnerabilities that enable theft of funds, lock access to funds without possibility to restore it, or lead to any other loss of funds to be transferred to any party.

## **HIGH ISSUES (high, medium severity): 0**

The owner's privileges, access and permission that cause changes in the contract results and parameters, enable/disable main modules and features, exclude/include specific users.

## **ERRORS, BUGS AND WARNINGS (medium, low severity): 0**

Bugs can negatively affect the usability of a program, errors that can trigger a contract failure, Lack of necessary security precautions, other warnings for owners and users, warning codes that are valid code but the compiler thinks are suspicious.

## **OPTIMIZATION (low severity): 0**

Methods to decrease the cost of transactions in Smart-Contract.

## **RECOMMENDATIONS (very low severity): 0**

Hint and tips to improve contract functionality and trustworthiness.

## **Conclusion:**

In the **ENERGY** Smart-Contract were found no vulnerabilities, no backdoors and no scam scripts.

The code was tested with compatible compilers and simulated manually reviewed for all commonly known and specific vulnerabilities.

So **ENERGY** Smart-Contract is safe for use in the Binance Smart Chain main network.

## Independent Description of the smart-contract functionality

The **ENERGY** is a BEP20 token that will be used in the collection of different internal pools and lottery games. It can be traded in an internal private exchange system.

- ❖ Energy Stake is a fully safe system that users can stake and unstake anytime they want without any fee or penalty.
- ❖ The lottery will be drawn each 24 hours and is fully random
- ❖ Internal Exchange is developed based on standard with 5% slippage
- ❖ Pools are the system called **ROI** and must be considered as **HIGH-RISK**. Do always invest with proper knowledge and investigation. Users principal deposits cannot be withdrawn, users can get dividends and referral commission. Dividends are paid from deposits of other users.
- ❖ All libraries which were used for calculation and the token in the contract are standard and safe

**Token Info** (all information based on audit date: Mon Nov 22 2021 13:03:26 GMT+0000)

- Total Supply: 30,000,000 Energy
- Holders: 463 addresses
- Total Transactions: 16,237
- Name: Energy
- Symbol: Energy
- Decimals: 18
- Contract: 0xef35d68A0D572F6010532C7a15AC18F02a961E58

## Owner/Deployer Tokens

In the first initial of the token, 30,000,000 tokens will be transferred to the owner wallet.

## Internal Exchange

Users can buy and sell Energy token in the internal exchange.

- Slippage is 5%
- Max price impact is 5%
- Buy Fee is 0.3%, 0.3% of the BNB will be sent to the owner
- Sell Fee is 2.3%, 0.3% of the tokens sent to the owner and 2% send to the Masterchef contract and will be used for staking reward

## Energy Pool

Users can stake the Energy tokens and earn daily profit.

- No fee on stake and unstake
- Users can unstake anytime
- Basic profit is 1% daily
- Based on stake amount it will be increased to the maximum of 1.5%
- 0.3% owner fee on the claiming rewards

## Lottery

Users can buy a ticket or use free reward tickets and participate in the lottery game

- The ticket price is 10 Energy
- Each round is 24 hours
- Users can buy random max 100 and manually 10 tickets in one transaction
- Winning is based on pair numbers from left to right in order
- Winners prizes:
  - 6 match numbers: 40%
  - 5 match numbers: 25%
  - 4 match numbers: 15%
  - 3 match numbers: 10%
  - 2 match numbers: 7%
  - 1 match numbers: 3%
- The draw is fully random and based on the combination of an encrypted private and unpredictable number

## Energy

0xef35d68A0D572F6010532C7a15AC18F02a961E58

## Staking Pools

There are 4 pools for BNB, BUSD, ADA and Cake with different plans.

| Pool | Plan | Min  | Max   | Daily rate | Days | Total Return | Total Return with Turbo |
|------|------|------|-------|------------|------|--------------|-------------------------|
| BNB  | 1    | 0.05 | 10    | 8.17%      | 15   | 122%         | 152%                    |
|      | 2    | 0.5  | 50    | 5.33%      | 30   | 160%         | 220%                    |
|      | 3    | 1    | 100   | 5%         | 50   | 220%         | 350%                    |
| BUSD | 1    | 50   | 1000  | 12%        | 10   | 120%         | 140%                    |
|      | 2    | 100  | 5000  | 7.2%       | 20   | 144%         | 184%                    |
|      | 3    | 1000 | 20000 | 5.83%      | 30   | 175%         | 235%                    |
| Cake | 1    | 3    | 60    | 9.14%      | 14   | 128%         | 156%                    |
|      | 2    | 6    | 303   | 7.26%      | 21   | 152%         | 194%                    |
|      | 3    | 60   | 606   | 6.57%      | 28   | 184%         | 240%                    |
| ADA  | 1    | 28   | 561   | 9.14%      | 14   | 128%         | 156%                    |
|      | 2    | 56   | 2808  | 7.26%      | 21   | 152%         | 194%                    |
|      | 3    | 561  | 5617  | 6.57%      | 28   | 184%         | 240%                    |

- Users can activate turbo and it causes 2% more daily profit for 24 hours
  - Turbo price is based on the Energy token price in exchange
  - It will be calculated by 50% of turbo rewards value in 24 hours based on the dollar price
  - Turbo amount distribution:
    - MasterChef contract: 50%
    - Owner: 10%
    - Lottery Contract: 40%
- Users can only have one active plan in each plan
- Users will receive medal M1 with completing plan 1 in any pool
- Users will receive medal M2 with completing plan 2 in any pool
- Users will receive medal M3 with completing plan 3 in any pool
- Users need medal M1 to deposit in plan 2
- Users need medal M2 to deposit in plan 3
- 5% owner fee on withdrawals
- Medals increase daily rates in pools plans
  - M1: 0.3%
  - M2: 0.5%
  - M3: 0.7%

## Referral System (Match Bonus)

The contract pays a 5% referral commission over 5 levels

- Level 1: 2.5%
- Level 2: 1.5%
- Level 3: 0.5%
- Level 4: 0.3%
- Level 5: 0.2%

Notes:

- Referral should be an active user; it means the referral address has at least one deposit
- Each pool referral system is separate
- If a user want to receive referral in all pools , he should activate all pools

## Achievement Rewards

There are 11 different tasks that users can do and earn rewards of Energy tokens or free tickets in the lottery.

## Disclaimer:

This audit is only to the Smart-Contract code at the specified address.

### Energy:

<https://bscscan.com/address/0xef35d68A0D572F6010532C7a15AC18F02a961E58#code>

Haze Security is a 3rd party auditing company who works on audits based on client requests. And as a professional auditing firm, we check on the contract for any vulnerabilities, backdoors, and/or scam scripts.

Therefore:

We are not financial advisors nor do we partner with the contract owners

Operations and website administration is fully on the client's side

We do not have influence over client operations, which can lead to website changes, withdrawal function closes, etc. One always has the option to do this through the contract.

Any concerns about the project themselves need to be raised directly to the project owners and not through Haze Security.

Investors are not in any way obliged, coerced or influenced to invest in projects audited by Haze Security.

We are not responsible for your funds or guarantee you profits.

We highly recommend that investors do their own research and gain crypto experience before investing

To report any scam, malpractices and irregularities, please send a message via Telegram to @Haze013 or @Sara\_Solidity for blacklisting.



# Haze Security

11/22/2021

If you are interested in developing/auditing of Smart-Contracts, please contact us.

Admin: [@Haze013](#)

Auditor: [@Sara\\_Solidity](#)

All official info available:

Website: <https://hazecrypto.net/audit/energy>

Telegram Channel: [t.me/HazeCrypto](https://t.me/HazeCrypto)

Telegram Community: [t.me/HazecryptoCommunity](https://t.me/HazecryptoCommunity)

Twitter: [twitter.com/HazeCryptoTM](https://twitter.com/HazeCryptoTM)

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