

ProjectMars Token
Smart Contract
Audit Report





TABLE OF CONTENTS

| Audited Details

- Audited Project
- Blockchain
- Addresses
- Project Website
- Codebase

Summary

- Contract Summary
- Audit Findings Summary
- Vulnerabilities Summary

Conclusion

| Audit Results

Smart Contract Analysis

- Detected Vulnerabilities

Disclaimer

About Us



AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain	
ProjectMars Token	MARS	Fantom	

Addresses

Contract address	0xbe41772587872a92184873d55b09c6bb6f59f895	
Contract deployer address	0x0897Cf572C8dAc35126c8198B9Ba2f300ED61b51	

Project Website

https://www.projectmars.finance/

Codebase

https://ftmscan.com/address/0xbe41772587872a92184873d55b09c6bb6f59f895#code



SUMMARY

PROJECTMARS protocol is a combination of blackhole tokenomics and an auto-liquidity generating protocol. In addition to this, we are also building and developing a non-fungible token(NFT) platform.

Contract Summary

Documentation Quality

ProjectMars Token provides a very good documentation with standard of solidity base code.

• The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

 Standard solidity basecode and rules are already followed by ProjectMars Token with the discovery of several low issues.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-100 SWC-108 | Explicitly define visibility for all state variables on lines 722.
- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 110, 142, 165, 166, 201, 237, 464, 705, 705, 705, 705, 706, 706, 725, 725, 725, 725, 726, 726, 726, 858, 860, 887, 943, 962, 968 and 860.
- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 11.
- SWC-110 SWC-123 | It is recommended to use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 859, 860, 860, 944, 944, 945, 946, 1071 and 1072.



CONCLUSION

We have audited the ProjectMars Token project released in May 2021 to discover issues and identify potential security vulnerabilities in ProjectMars Token Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides a satisfactory result with some low-risk issues.

The issues found in the ProjectMars Token smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some arithmetic operation issues, a floating pragma is set, a state variable visibility is not set, and out-of-bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.



AUDIT RESULT

Article	Category	Description	Result	
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	ISSUE FOUND	
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.		
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS	
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly. ISSU FOUL		
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.		
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.		
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.		
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.		
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.		
Assert Violation	SWC-110 SWC-123	. ,		
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used. PASS		
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.		



DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	
Signature Unique ID	SWC-121 Swc-121		PASS
Incorrect Constructor Name	SWC-118 Constructors are special functions that are called only once during the contract creation.		PASS
Shadowing State Variable	SWC-119	-119 State variables should not be shadowed.	
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	
Incorrect Inheritance Order	SWC-125		PASS
Insufficient Gas Griefing	SWC-126 contracts which accept data and use it in a sub-call on		PASS
Arbitrary Jump Function As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.		PASS	



Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	
Unused variables	SWC-131 SWC-135	change variables are all of the containing area and pro-	
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	
Hash Collisions Variable	SWC-133	Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	
Hardcoded gas amount	SWC-134	The transfer() and send() functions forward a fixed amount of 2300 gas.	
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	



SMART CONTRACT ANALYSIS

Started	Sunday May 23 2021 06:17:10 GMT+0000 (Coordinated Universal Time)		
Finished	Monday May 24 2021 06:47:28 GMT+0000 (Coordinated Universal Time)		
Mode	Standard		
Main Source File	MarsToken.sol		

Detected Issues

ID	Title	Severity	Status
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "%" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "%" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged



SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "++" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged



SWC-101	COMPILER-REWRITABLE " <uint> - 1" DISCOVERED</uint>	low	acknowledged
SWC-103	A FLOATING PRAGMA IS SET.	low	acknowledged
SWC-108	STATE VARIABLE VISIBILITY IS NOT SET.	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged



LINE 110

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
function add(uint256 a, uint256 b) internal pure returns (uint256) {
  uint256 c = a + b;
  require(c >= a, "SafeMath: addition overflow");
  return c;
  return c;
  114
```



LINE 142

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
141 require(b <= a, errorMessage);
142 uint256 c = a - b;
143
144 return c;
145 }
146</pre>
```



LINE 165

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
164
165    uint256 c = a * b;
166    require(c / a == b, "SafeMath: multiplication overflow");
167
168    return c;
169
```



LINE 166

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
165    uint256    c = a * b;
166    require(c / a == b, "SafeMath: multiplication overflow");
167
168    return c;
169    }
170
```



LINE 201

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
200    require(b > 0, errorMessage);
201    uint256 c = a / b;
202    // assert(a == b * c + a % b); // There is no case in which this doesn't hold
203
204    return c;
205
```



LINE 237

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
236 require(b != 0, errorMessage);
237 return a % b;
238 }
239 }
240
241
```



LINE 464

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
463  _owner = address(0);
464  _lockTime = now + time;
465  emit OwnershipTransferred(_owner, address(0));
466  }
467
468
```



LINE 705

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
704 uint256 private constant MAX = ~uint256(0);
705 uint256 private _tTotal = 10000000000 * 10**6 * 10**9;
706 uint256 private _rTotal = (MAX - (MAX % _tTotal));
707 uint256 private _tFeeTotal;
708
709
```



LINE 705

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
704 uint256 private constant MAX = ~uint256(0);
705 uint256 private _tTotal = 10000000000 * 10**6 * 10**9;
706 uint256 private _rTotal = (MAX - (MAX % _tTotal));
707 uint256 private _tFeeTotal;
708
709
```



LINE 705

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
704 uint256 private constant MAX = ~uint256(0);
705 uint256 private _tTotal = 10000000000 * 10**6 * 10**9;
706 uint256 private _rTotal = (MAX - (MAX % _tTotal));
707 uint256 private _tFeeTotal;
708
709
```



LINE 705

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
704 uint256 private constant MAX = ~uint256(0);
705 uint256 private _tTotal = 10000000000 * 10**6 * 10**9;
706 uint256 private _rTotal = (MAX - (MAX % _tTotal));
707 uint256 private _tFeeTotal;
708
709
```



LINE 706

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
705    uint256    private _tTotal = 1000000000 * 10**6 * 10**9;

706    uint256    private _rTotal = (MAX - (MAX % _tTotal));

707    uint256    private _tFeeTotal;

708

709    string private _name = "ProjectMars Token";

710
```



LINE 706

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
705    uint256    private _tTotal = 1000000000 * 10**6 * 10**9;

706    uint256    private _rTotal = (MAX - (MAX % _tTotal));

707    uint256    private _tFeeTotal;

708

709    string private _name = "ProjectMars Token";

710
```



LINE 725

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
724
725 uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726 uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;
727
728 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
729
```



LINE 725

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
724
725 uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726 uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;
727
728 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
729
```



LINE 725

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
724
725 uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726 uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;
727
728 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
729
```



LINE 725

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
724
725 uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726 uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;
727
728 event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
729
```



LINE 726

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;

event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);

event SwapAndLiquifyEnabledUpdated(bool enabled);
```



LINE 726

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;

event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);

event SwapAndLiquifyEnabledUpdated(bool enabled);
```



LINE 726

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
725  uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726  uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;
727
728  event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
729  event SwapAndLiquifyEnabledUpdated(bool enabled);
730
```



LINE 726

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
725  uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726  uint256 private numTokensSellToAddToLiquidity = 500000 * 10**6 * 10**9;
727
728  event MinTokensBeforeSwapUpdated(uint256 minTokensBeforeSwap);
729  event SwapAndLiquifyEnabledUpdated(bool enabled);
730
```



LINE 858

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol



LINE 860

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
if (_excluded[i] == account) {
860    _excluded[i] = _excluded[_excluded.length - 1];
861    _tOwned[account] = 0;
862    _isExcluded[account] = false;
863    _excluded.pop();
864
```



LINE 887

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
886 _maxTxAmount = _tTotal.mul(maxTxPercent).div(
887    10**2
888    );
889    }
890
891
```



LINE 943

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
942  uint256 tSupply = _tTotal;
943  for (uint256 i = 0; i < _excluded.length; i++) {
944   if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
945   rSupply = rSupply.sub(_rOwned[_excluded[i]]);
946   tSupply = tSupply.sub(_tOwned[_excluded[i]]);
947
```



SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 962

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
961 return _amount.mul(_taxFee).div(
962    10**2
963    );
964  }
965
966
```



SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 968

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
967 return _amount.mul(_liquidityFee).div(
968    10**2
969   );
970   }
971
972
```



SWC-101 | COMPILER-REWRITABLE "<UINT> - 1" DISCOVERED

LINE 860

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- MarsToken.sol

```
if (_excluded[i] == account) {
860    _excluded[i] = _excluded[_excluded.length - 1];
861    _tOwned[account] = 0;
862    _isExcluded[account] = false;
863    _excluded.pop();
864
```



SWC-103 | A FLOATING PRAGMA IS SET.

LINE 11

low SEVERITY

The current pragma Solidity directive is ""^0.6.12"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

Source File

- MarsToken.sol

```
10
11 pragma solidity ^0.6.12;
12 // SPDX-License-Identifier: Unlicensed
13 interface IERC20 {
14
15
```



SWC-108 | STATE VARIABLE VISIBILITY IS NOT SET.

LINE 722

low SEVERITY

It is best practice to set the visibility of state variables explicitly. The default visibility for "inSwapAndLiquify" is internal. Other possible visibility settings are public and private.

Source File

- MarsToken.sol

```
721
722 bool inSwapAndLiquify;
723 bool public swapAndLiquifyEnabled = true;
724
725 uint256 public _maxTxAmount = 5000000 * 10**6 * 10**9;
726
```



LINE 859

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
858 for (uint256 i = 0; i < _excluded.length; i++) {
859   if (_excluded[i] == account) {
860     _excluded[i] = _excluded[_excluded.length - 1];
861     _tOwned[account] = 0;
862     _isExcluded[account] = false;
863</pre>
```



LINE 860

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
if (_excluded[i] == account) {
860    _excluded[i] = _excluded[_excluded.length - 1];
861    _tOwned[account] = 0;
862    _isExcluded[account] = false;
863    _excluded.pop();
864
```



LINE 860

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
if (_excluded[i] == account) {
860    _excluded[i] = _excluded[_excluded.length - 1];
861    _tOwned[account] = 0;
862    _isExcluded[account] = false;
863    _excluded.pop();
864
```



LINE 944

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
943 for (uint256 i = 0; i < _excluded.length; i++) {
944    if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
945    rSupply = rSupply.sub(_rOwned[_excluded[i]]);
946    tSupply = tSupply.sub(_tOwned[_excluded[i]]);
947  }
948
```



LINE 944

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
943 for (uint256 i = 0; i < _excluded.length; i++) {
944    if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return
(_rTotal, _tTotal);
945    rSupply = rSupply.sub(_rOwned[_excluded[i]]);
946    tSupply = tSupply.sub(_tOwned[_excluded[i]]);
947  }
948
```



LINE 945

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
944 if (_rOwned[_excluded[i]] > rSupply || _tOwned[_excluded[i]] > tSupply) return (_rTotal, _tTotal);
945    rSupply = rSupply.sub(_rOwned[_excluded[i]]);
946    tSupply = tSupply.sub(_tOwned[_excluded[i]]);
947    }
948    if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
949
```



LINE 946

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
945  rSupply = rSupply.sub(_rOwned[_excluded[i]]);
946  tSupply = tSupply.sub(_tOwned[_excluded[i]]);
947  }
948  if (rSupply < _rTotal.div(_tTotal)) return (_rTotal, _tTotal);
949  return (rSupply, tSupply);
950</pre>
```



LINE 1071

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
1070 address[] memory path = new address[](2);
1071 path[0] = address(this);
1072 path[1] = uniswapV2Router.WETH();
1073
1074 _approve(address(this), address(uniswapV2Router), tokenAmount);
1075
```



LINE 1072

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- MarsToken.sol

```
1071 path[0] = address(this);
1072 path[1] = uniswapV2Router.WETH();
1073
1074 _approve(address(this), address(uniswapV2Router), tokenAmount);
1075
1076
```



DISCLAIMER

This report is subject to the terms and conditions (including without limitation, description of services, confidentiality, disclaimer and limitation of liability) set forth in the Services Agreement, or the scope of services, and terms and conditions provided to you ("Customer" or the "Company") in connection with the Agreement. This report provided in connection with the Services set forth in the Agreement shall be used by the Company only to the extent permitted under the terms and conditions set forth in the Agreement. This report may not be transmitted, disclosed, referred to, or relied upon by any person for any purposes, nor may copies be delivered to any other person other than the Company, without Sysfixed's prior written consent in each instance.

This report is not, nor should be considered, an "endorsement" or "disapproval" of any particular project or team. This report is not, nor should be considered, an indication of the economics or value of any "product" or "asset" created by any team or project that contracts Sysfixed to perform a security assessment. This report does not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technologies proprietors, business, business model, or legal compliance.

This is a limited report on our findings based on our analysis, in accordance with good industry practice as of the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

This report is provided for information purposes only and on a non-reliance basis and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and Sysfixed and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers, and other representatives) (Sysfixed) owe no duty of care.



ABOUT US

Sysfixed is a blockchain security certification organization established in 2021 with the objective to provide smart contract security services and verify their correctness in blockchain-based protocols. Sysfixed automatically scans for security vulnerabilities in Ethereum and other EVM-based blockchain smart contracts. Sysfixed a comprehensive range of analysis techniques—including static analysis, dynamic analysis, and symbolic execution—can accurately detect security vulnerabilities to provide an in-depth analysis report. With a vibrant ecosystem of world-class integration partners that amplify developer productivity, Sysfixed can be utilized in all phases of your project's lifecycle. Our team of security experts is dedicated to the research and improvement of our tools and techniques used to fortify your code.