



DESSERT
FINANCE

Bem Chain (BCN)

TRC-20 Audit

Performed at block **51013283**

PERFORMED BY DESSERT FINANCE
FOR CONTRACT ADDRESS: **TAoA331n3iKDKR62kAZ4H2n3vNL7y3d8x9**

VERIFY THIS REPORT IN THE [@DESSERTSWAP](#) TELEGRAM, CLICK HERE

INITIAL DISCLAIMER

Dessert Finance provides due-diligence project audits for various projects. Dessert Finance in no way guarantees that a project will not remove liquidity, sell off team supply, or otherwise exit scam.

Dessert Finance does the legwork and provides public information about the project in an easy-to-understand format for the common person.

Agreeing to an audit in no way guarantees that a team will not remove *all* liquidity (“Rug Pull”), remove liquidity slowly, sell off tokens, quit the project, or completely exit scam. There is also no way to prevent private sale holders from selling off their tokens. It is ultimately your responsibility to read through all documentation, social media posts, and contract code of each individual project to draw your own conclusions and set your own risk tolerance.

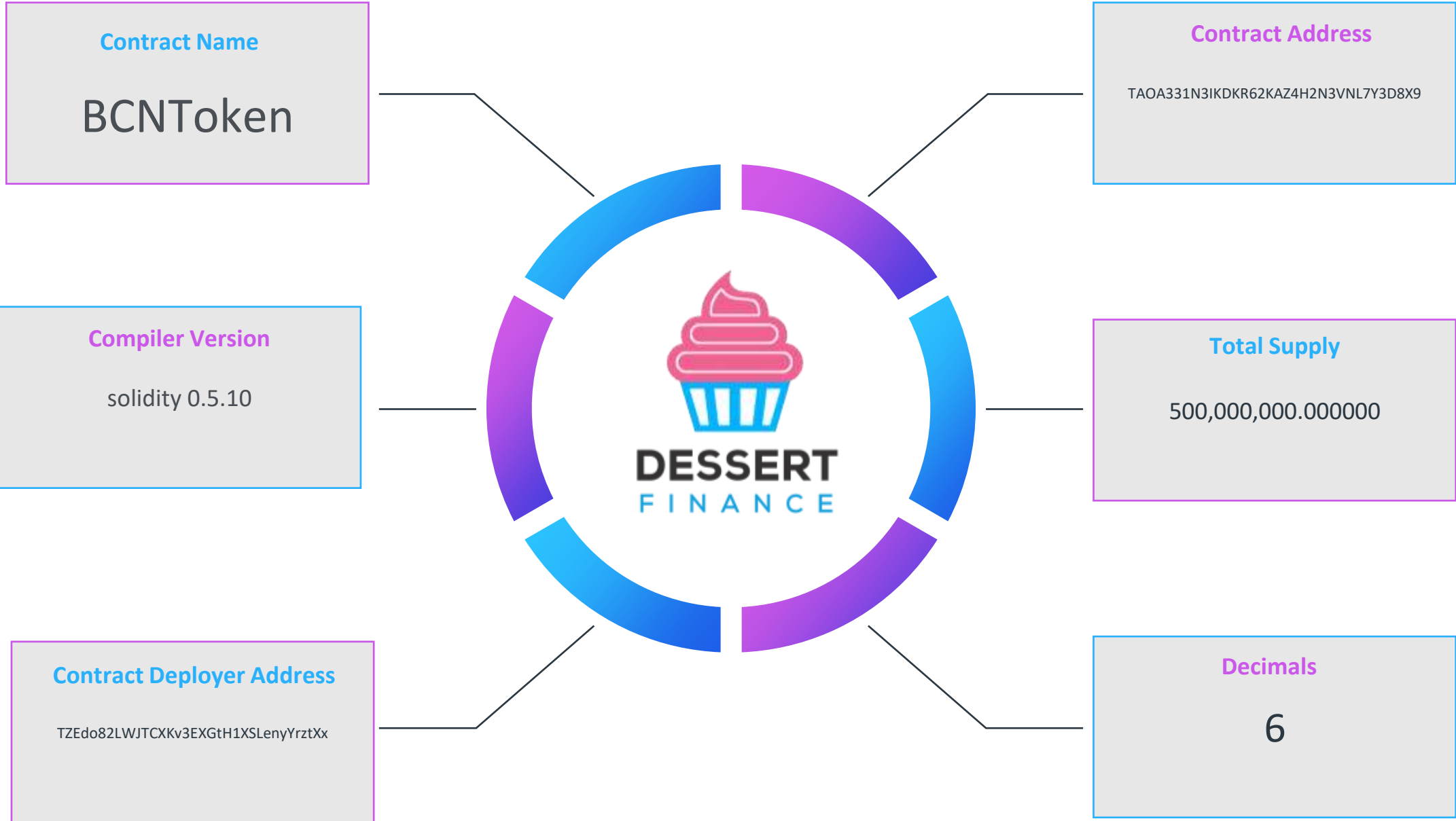
Dessert Finance in no way takes responsibility for any losses, nor does Dessert Finance encourage any speculative investments. The information provided in this audit is for information purposes only and should not be considered investment advice. Dessert Finance does not endorse, recommend, support, or suggest any projects that have been audited. An audit is an informational report based on our findings, We recommend you do your own research, we will never endorse any project to invest in.

Table of Contents



1. Contract Code Audit – Token Overview
2. TRC-20 Contract Code Audit – Overview
3. TRC-20 Contract Code Audit – Vulnerabilities Checked
4. Contract Code Audit – Contract Ownership
5. Contract Code Audit – Owner Accessible Functions
6. Liquidity Ownership – Locked / Unlocked
7. Contract Code Audit – Mint Functions
8. Contract Transaction Fees
9. Website Overview
10. Social Media
11. Top Token Holders/Wallets
12. Location Audit
13. Review of Team
14. Roadmap
15. Disclaimers

Contract Code Audit – Token Overview



TRC-20 Contract Code Audit – Overview

Dessert Finance was commissioned to perform an audit on Bem Chain (BCN)

```
pragma solidity ^0.5.10;
// SPDX-License-Identifier: MIT
import './SafeMath.sol';
import './Ownable.sol';

contract BCNToken is ownable {
    using SafeMath for uint;
    /* Variables
    .....
    string _name;
    string _symbol;
    uint8 _decimals;
    uint _totalSupply;
    struct Asset {
        uint amount;
        uint releaseTime;
    }
    struct Balance {
        uint amount;
        uint releasedAmount;
        uint releaseTime;
        uint assetsCount;
        mapping(uint -> Asset) assets;
    }
    mapping(address -> Balance) balances;
    mapping(address -> mapping(address -> uint)) allowed;
    uint freezeDuration = uint(365).mul(2).mul(1 days); // 2 years
    uint maxTotalSupply = 500e12; // 500,000,000 tokens
    .....
    /* Modifiers
    .....
    /* Events
    .....
    event Transfer(address indexed _from, address indexed _to, uint256 _amount);
    event Approval(address indexed _owner, address indexed _spender, uint256 _am
    .....
    /* Main Functions
    .....
    constructor() public {
        _name = 'Bem Chain';
        _symbol = 'BCN';
        _decimals = 6;
        _totalSupply = 0;
    }

    function name() public view returns(string memory) {
        return(_name);
    }
}
```

Contract Address

TAoA331n3iKDKR62kAZ4H2n3vNL7y3d8x9

TokenTracker

Bem Chain (BCN)

Contract Creator

TZEdo82LWJTCXKv3EXGtH1XSLenyYrztXx

Source Code

Verified

Contract Name

BCNToken

Other Settings

N/A

Compiler Version

0.5.10

Optimization Enabled

Yes with 0 runs

Code is truncated to fit the constraints of this document.

[The code in its entirety can be viewed here.](#)

The contract code is **verified** on Tronscan.

TRC-20 Contract Code Audit – Vulnerabilities Checked

Vulnerability Tested	AI Scan	Human Review	Result
Compiler Errors	Complete	Complete	✓ Low / No Risk
Outdated Compiler Version	Complete	Complete	✓ Low / No Risk
Integer Overflow	Complete	Complete	✓ Low / No Risk
Integer Underflow	Complete	Complete	✓ Low / No Risk
Correct Token Standards Implementation	Complete	Complete	✓ Low / No Risk
Timestamp Dependency for Crucial Functions	Complete	Complete	✓ Low / No Risk
Exposed _Transfer Function	Complete	Complete	✓ Low / No Risk
Transaction-Ordering Dependency	Complete	Complete	✓ Low / No Risk
Unchecked Call Return Variable	Complete	Complete	✓ Low / No Risk
Use of Deprecated Functions	Complete	Complete	✓ Low / No Risk
Unprotected SELFDESTRUCT Instruction	Complete	Complete	✓ Low / No Risk
State Variable Default Visibility	Complete	Complete	✓ Low / No Risk
Deployer Can Access User Funds	Complete	Complete	✓ Low / No Risk

The contract code is **verified** on Tronscan.

The vulnerabilities listed above were not found in the token's Smart Contract.

Contract Code Audit – Contract Ownership (Admin)

Contract Ownership has not been renounced at the time of Audit



The contract ownership is not currently renounced.

We have placed the contract owner address below for your viewing:

`TZEdo82LWJTCXKv3EXGtH1XSLenyYrztXx`

The address above has authority over the ownable functions within the contract.

This allows the owner to call certain functions within the contract. Any compromise to the owner wallet may allow these privileges to be exploited.

We recommend:

- Establishing a Time-Lock with reasonable latency
- Assignment of privileged roles to multi-signature wallets

Contract Code Audit – Admin Accessible Functions

```
/**
 * Admin Functions
 */
function releaseToken(address _owner) public isAdmin returns(bool) { ... }

function releaseToken(address _owner, uint _amount) public isAdmin returns(bool) { ... }

function selfMint(address _to, uint _amount) public isAdmin returns(bool) { ... }

```

The functions listed above can be called by the contract owner.

If contract ownership has been renounced there is no way for the above listed functions to be called.

Liquidity Ownership – Locked / Unlocked

No locked liquidity information has been found.



This page will contain links to locked liquidity for the project if we are able to locate that information. Locked liquidity information was not found on the project's website.

Contract Code Audit – Mint Functions

This Contract Can Mint New BCN Tokens.



We do understand that sometimes mint functions are essential to the functionality of the project.

A mint function not found in the contract code.

Website Part 1 – Overview

bcntoken.com



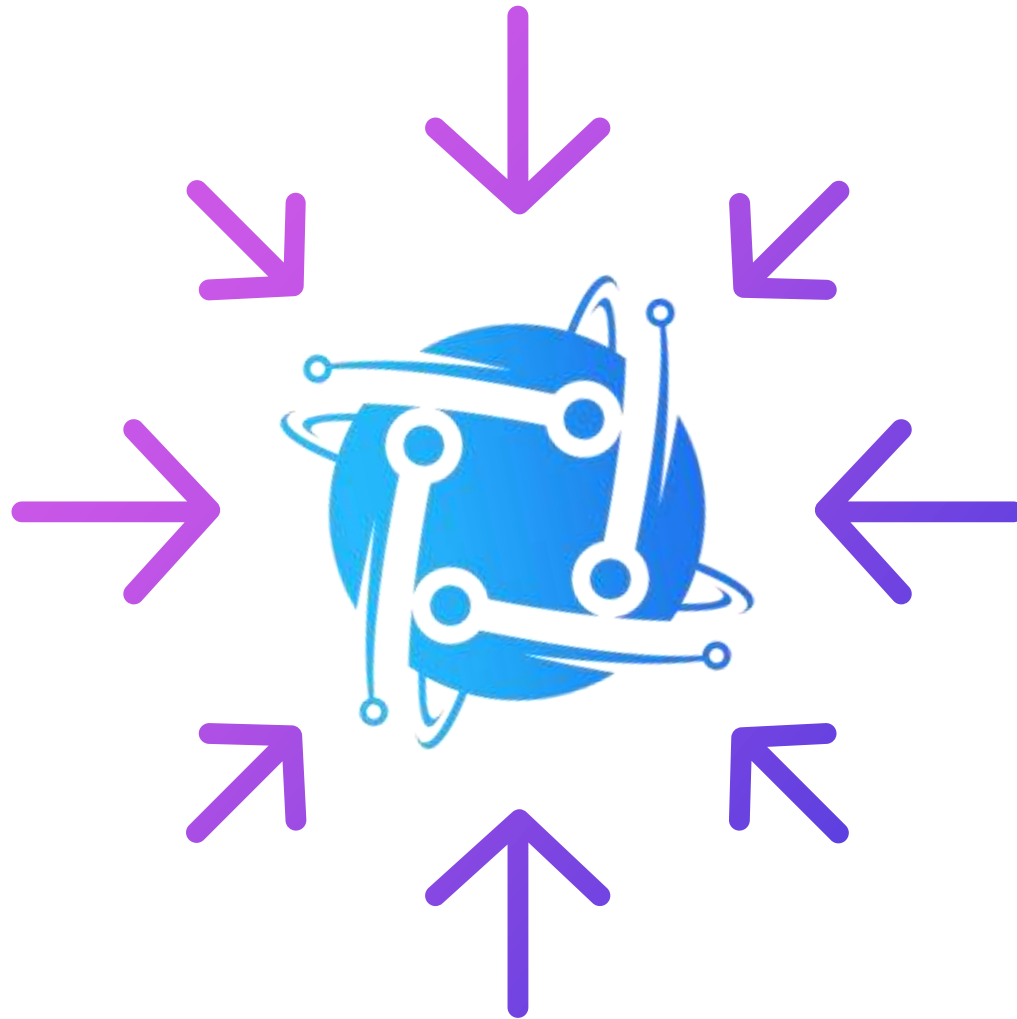
Above images are actual snapshots of the current live website of the project.

Website was registered on 09/20/2022, registration expires 09/20/2023.

X This meets the 3 year minimum we like to see on new projects.



Website Part 2 – Checklist



- ✓ Mobile Friendly
- ✗ No JavaScript Errors
- ✓ Spell Check
- ✓ SSL Certificate

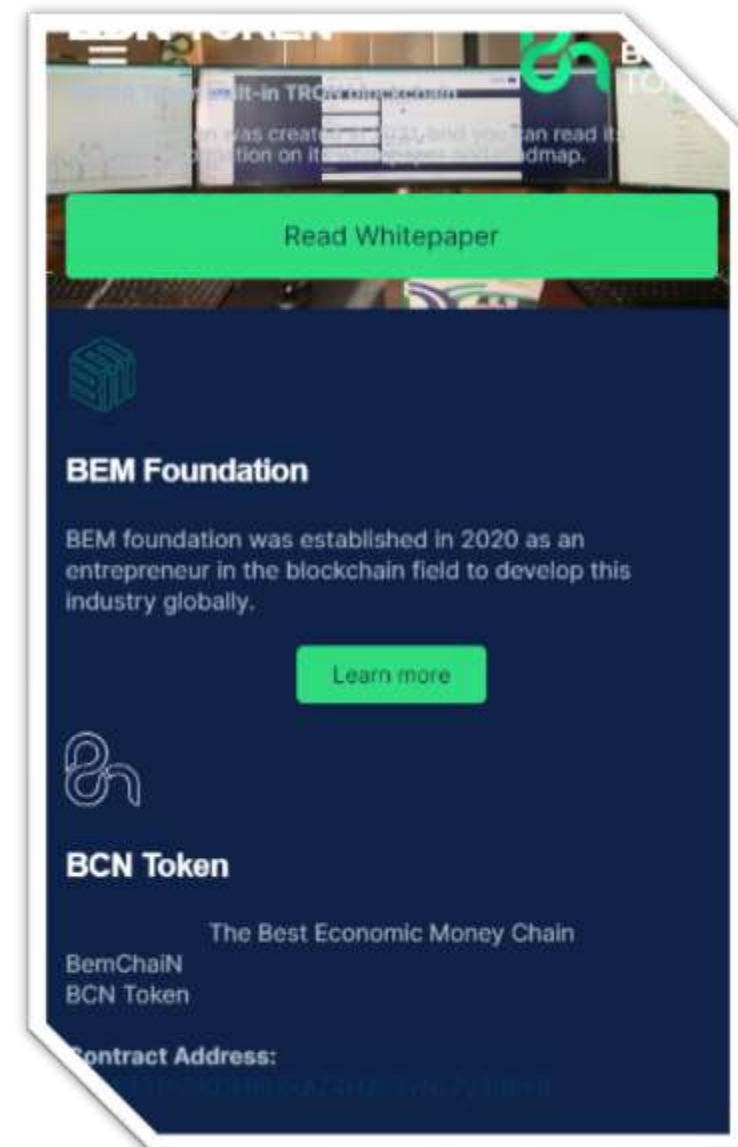
The website contained no major JavaScript errors. No typos, or grammatical errors were present, and we found a valid SSL certificate allowing for access via https. One minor JavaScript error was found.

No additional issues were found on the website.

Website Part 3 – Responsive HTML5 & CSS3

No issues were found on the Mobile Friendly check for the website. All elements loaded properly and browser resize was not an issue. The team has put a considerable amount of thought and effort into making sure their website looks great on all screens. One minor issue was found where certain text was hard to read because of the color choices. We recommend fixing this.

No severe JavaScript errors were found. No issues with loading elements, code, or stylesheets. Minor JavaScript error is shown below.



```
✖ GET https://bcntoken.com/wp-content/uploads/elementor/css/post-125.css?ver=1682533751 net::ERR_ABORTED 404
```



Website Part 4 (GWS) – General Web Security



SSL CERTIFICATE

A valid SSL certificate was found. Details are as follows:

Offered to: bcntoken.com

Issued by: Sectigo RSA

Valid Until: Oct 2023



CONTACT EMAIL

A valid contact email was found on the official website. Contact email is listed as shown below:

[Contact](#)

Contact Form



SPAM / MALWARE / POPUPS

No malware found

No injected spam found

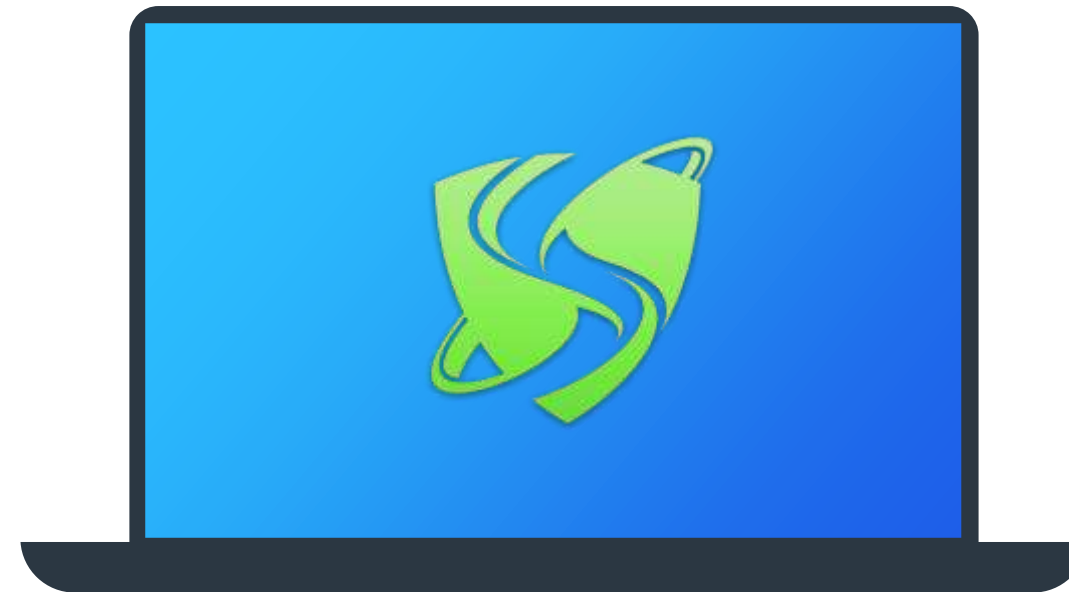
No internal server errors

No popups found

Domain is marked clean by Google, McAfee, Sucuri Labs, & ESET



Social Media



We were able to locate a variety of Social Media networks for the project.

All links have been conveniently placed below.



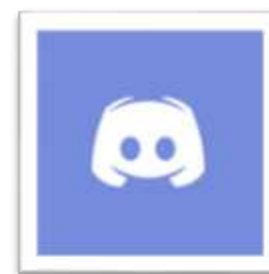
[Twitter](#)



[Telegram](#)



[Reddit](#)



[Discord](#)



[Instagram](#)



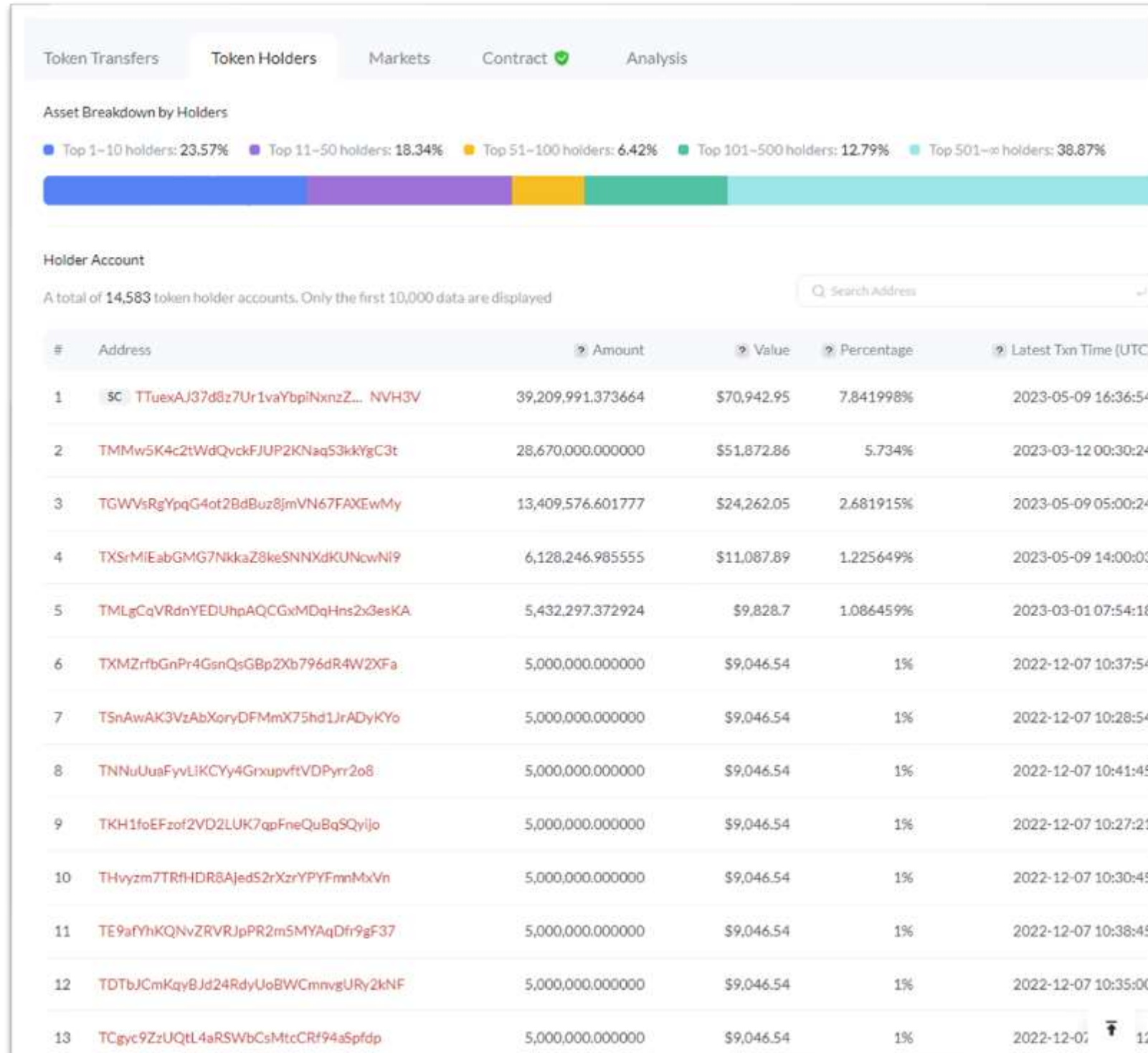
[YouTube](#)

✓ **At least 3 social media networks were found.**

Top Token Holders

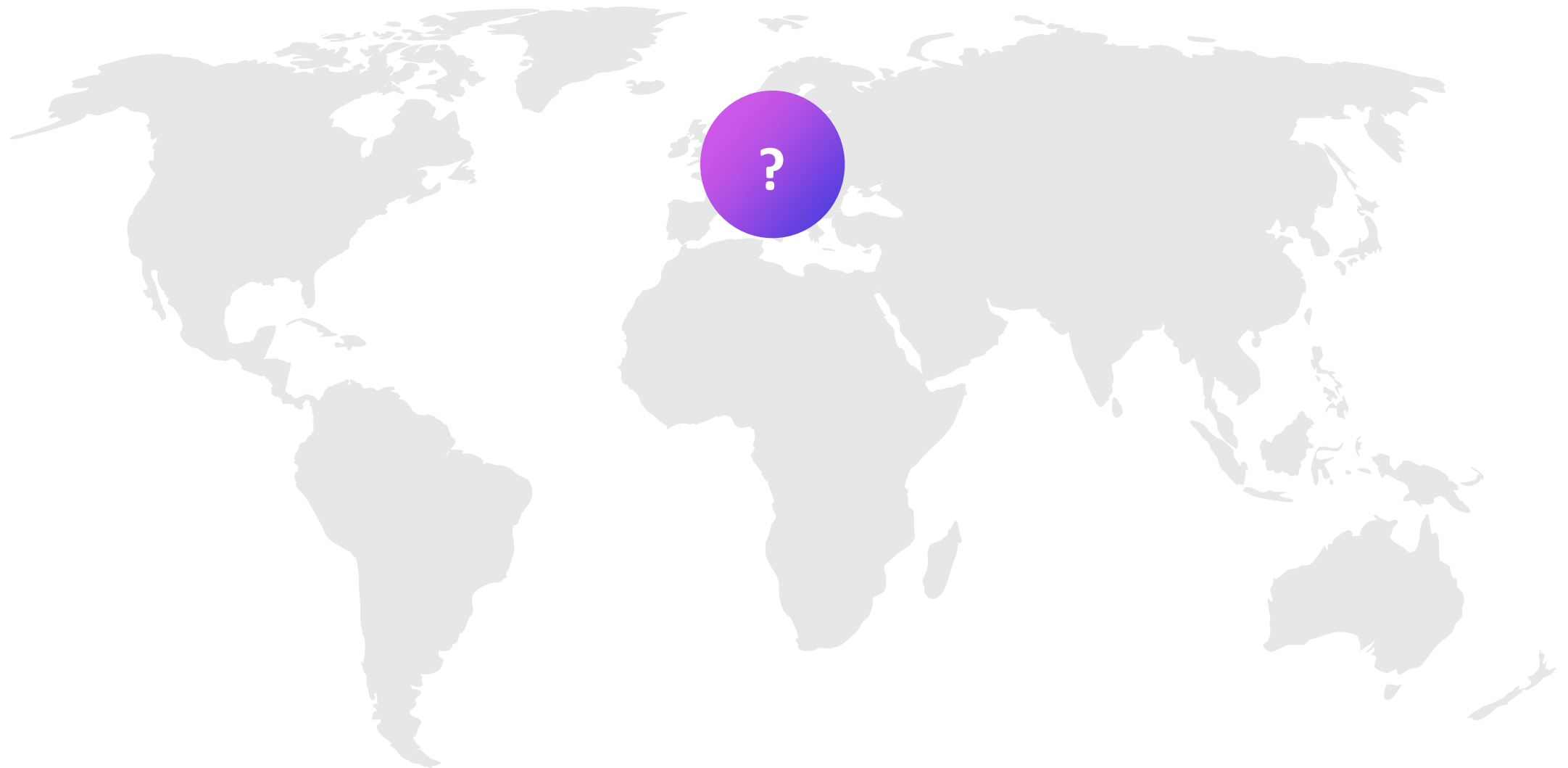
The top token holders at the time of the audit are shown below.

[Click here to view the most up-to-date list of holders](#)



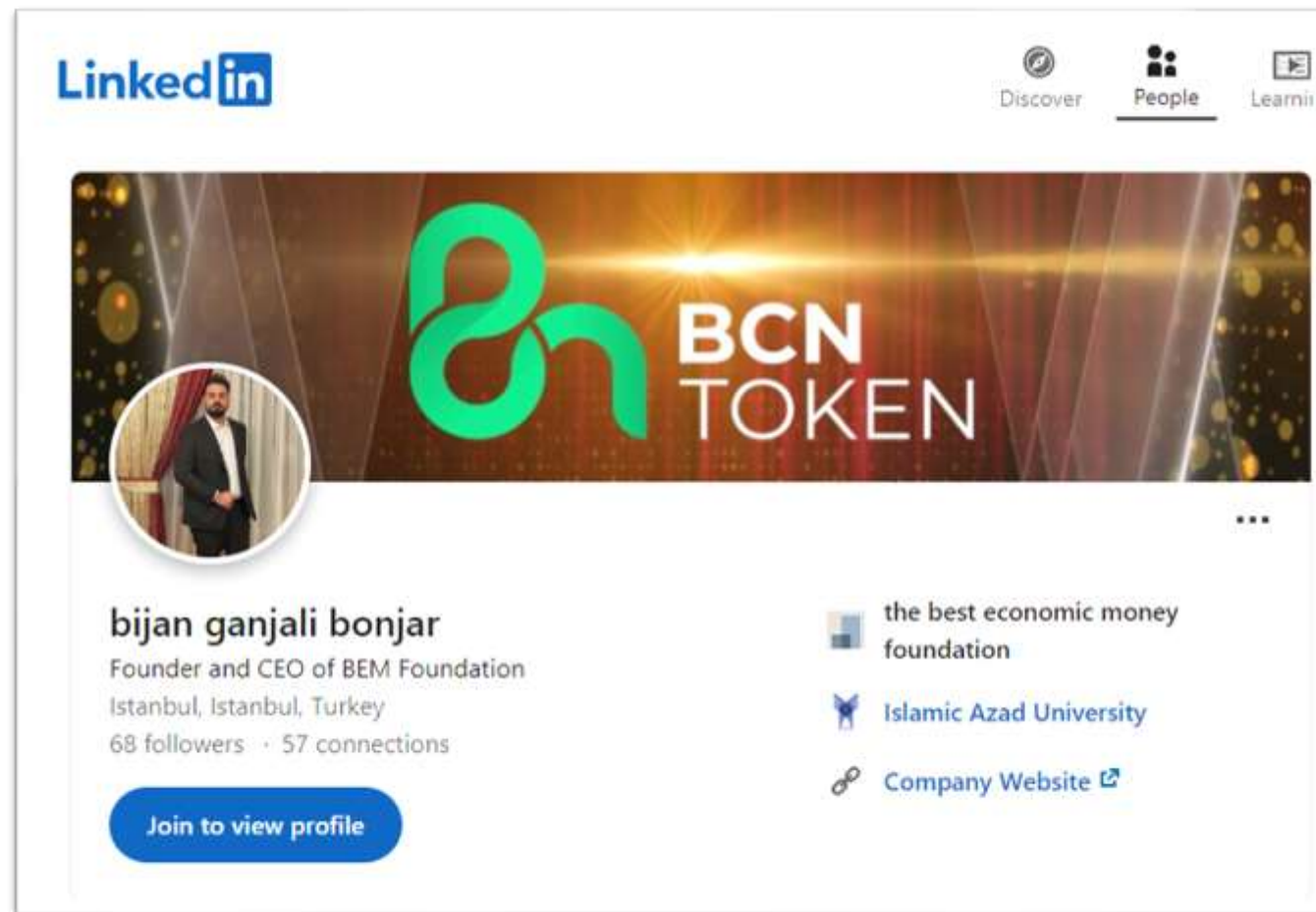
Location Audit

We were unable to identify a primary location for the project at this time or a location has not been declared.



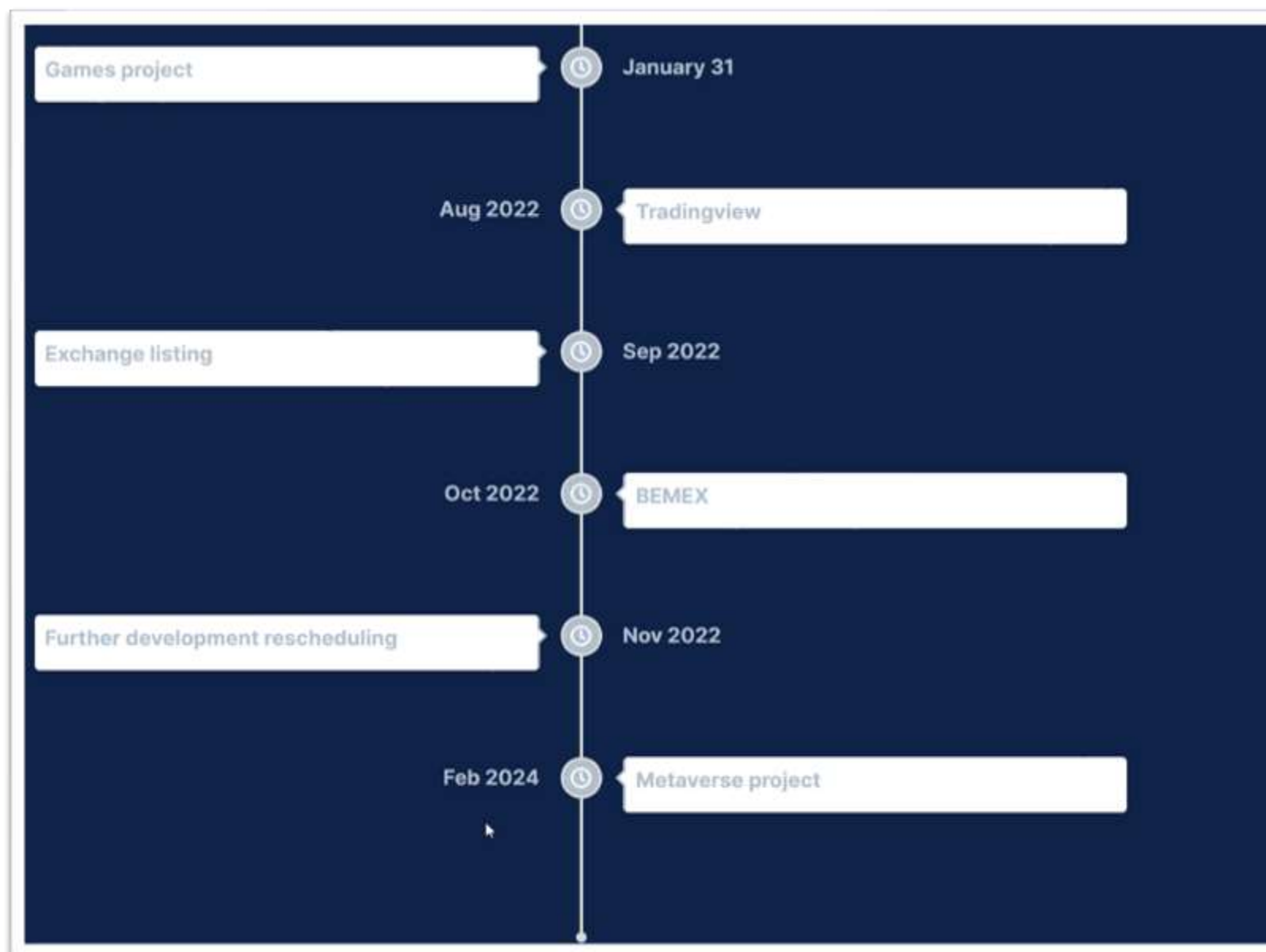
Team Overview

We were able to find a LinkedIn linked on the website and have attached it below for your convenience.



Roadmap

A roadmap was found on the official website, we have conveniently placed it on this page for your viewing.



Disclaimer



The opinions expressed in this document are for general informational purposes only and are **not intended to provide specific advice or recommendations for any individual or on any specific investment**. It is only intended to provide education and public knowledge regarding projects. This audit is only applied to the type of auditing specified in this report and the scope of given in the results. Other unknown security vulnerabilities are beyond responsibility. Dessert Finance only issues this report based on the attacks or vulnerabilities that already existed or occurred before the issuance of this report. For the emergence of new attacks or vulnerabilities that exist or occur in the future, Dessert Finance lacks the capability to judge its possible impact on the security status of smart contracts, thus taking no responsibility for them. The smart contract analysis and other contents of this report are based solely on the documents and materials that the contract provider has provided to Dessert Finance or was publicly available before the issuance of this report (issuance of report recorded via block number on cover page), if the documents and materials provided by the contract provider are missing, tampered, deleted, concealed or reflected in a situation that is inconsistent with the actual situation, or if the documents and materials provided are changed after the issuance of this report, Dessert Finance assumes no responsibility for the resulting loss or adverse effects. Due to the technical limitations of any organization, this report conducted by Dessert Finance still has the possibility that the entire risk cannot be completely detected. Dessert Finance disclaims any liability for the resulting losses.

Dessert Finance provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Even projects with a low risk score have been known to pull liquidity, sell all team tokens, or exit-scam. Please exercise caution when dealing with any cryptocurrency related platforms.

The final interpretation of this statement belongs to Dessert Finance.

Dessert Finance highly advises against using cryptocurrencies as speculative investments and they should be used solely for the utility they aim to provide.



Thank You

DESSERT FINANCE PROJECT AUDIT HAS BEEN COMPLETED FOR BEM CHAIN (BCN) AT BLOCK NUMBER: **51013283**

THIS AUDIT IS ONLY VALID IF VIEWED ON [HTTPS://WWW.DSSERTSWAP.FINANCE](https://www.dessertswap.finance)

www.dessertswap.finance
<https://t.me/dessertswap>