



Coinsult

Advanced Manual Smart Contract Audit



Project: Kyiv Aid

Website: <https://www.kyivaid.com/>

● Low-risk

2 low-risk code
issues found

● Medium-risk

2 medium-risk code
issues found

● High-risk

0 high-risk code
issues found

2 Acknowledged

Contract address

0x657ba04733981296c6d12db66e5205dfe3b27f9a

Disclaimer: Coinsult is not responsible for any financial losses. Nothing in this contract audit is financial advice, please do your own research.

Disclaimer

Coinsult is not responsible if a project turns out to be a scam, rug-pull or honeypot. We only provide a detailed analysis for your own research.

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The information provided in this audit is for informational purposes only and should not be considered investment advice. Coinsult does not endorse, recommend, support or suggest to invest in any project.

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Tokenomics

Total Supply: 41,200,000.00

Total Holders: 2

Top 10 holders:

Rank	Address	Quantity (Token)	Percentage
1	0x1fdc45b10a71cae24f24aeea6b7358329e6e5382	41,199,470	99.9987%
2	0x2faf9e49ce93f41253e637cff59296199eac1a13	530	0.0013%

The top 100 holders collectively own 100.00% (41,200,000.00 Tokens) of KYIV

Note: This is a snapshot of when the audit was performed.

Source code

Coinsult was commissioned by KYIV AID to perform an audit based on the following smart contract:

<https://etherscan.io/address/0x657ba04733981296c6d12db66e5205dfe3b27f9a#code>

Manual Code Review

● Low-risk

2 low-risk code issues found.

Could be fixed, will not bring problems.

- Sol frequently releases new compiler versions. Using an old version prevents access to new Solidity security checks.
 - Recommended: Deploy with any of the following Solidity versions:
 - 0.5.16 - 0.5.17
 - 0.6.11 - 0.6.12
 - 0.7.5 - 0.7.6 Use a simple pragma version that allows any of these versions. Consider using the latest version of Solidity for testing.

```
pragma solidity >=0.7.0 <0.9.0;
```

- Use of literals with too many digits.
 - Recommended Use, Ether suffix, Time suffix, or The scientific notation

```
constructor() ERC20("KYIV", "KYIV") {  
    _mint(msg.sender, 41200000 * (10 ** 6));  
}
```

● Medium-risk

2 medium-risk code issues found.

Should be fixed, could bring problems.

- Owner can pause and unpaue the contract

```
function disable() public onlyOwner {
    _pause();
}

function enable() public onlyOwner {
    _unpause();
}
```

Acknowledged by the Kyiv team:

“Pause is to prevent people from selling tokens or creating LP.”

- Owner can mint tokens

```
function mint(uint256 amount) external onlyOwner{
    _mint(msg.sender, amount);
}
```

```
function _mint(address account, uint256 amount) internal virtual {
    require(account != address(0), "ERC20: mint to the zero address");

    _beforeTokenTransfer(address(0), account, amount);

    _totalSupply += amount;
    _balances[account] += amount;
    emit Transfer(address(0), account, amount);

    _afterTokenTransfer(address(0), account, amount);
}
```

Acknowledged by the Kyiv team:

“Beginning of the project so we minted 41.2m tokens. When the community will grow we want to have option to mint more tokens for our community.

Please note one wallet is limited to 20k tokens.”

● High-risk

0 high-risk code issues found

Must be fixed, and will bring problems.

Extra notes by the team

- About 50% of the contract is commented code, this could be removed
- The ownership is not renounced.
- Owner can mint tokens
- Whitelisted addresses are still able to interact with the contract while the contract is paused.

Extra notes by the Kyiv team

- “This is nonprofit project so people not buying typical token. This token gives access to cause voting on Snapshot”

Contract Snapshot

```
contract KYIV is ERC20, Ownable, Pausable {

    bool public _enabled = false;

    mapping(address => bool) public whitelisted;

    constructor() ERC20("KYIV", "KYIV") {
        _mint(msg.sender, 41200000 * (10 ** 6));
    }

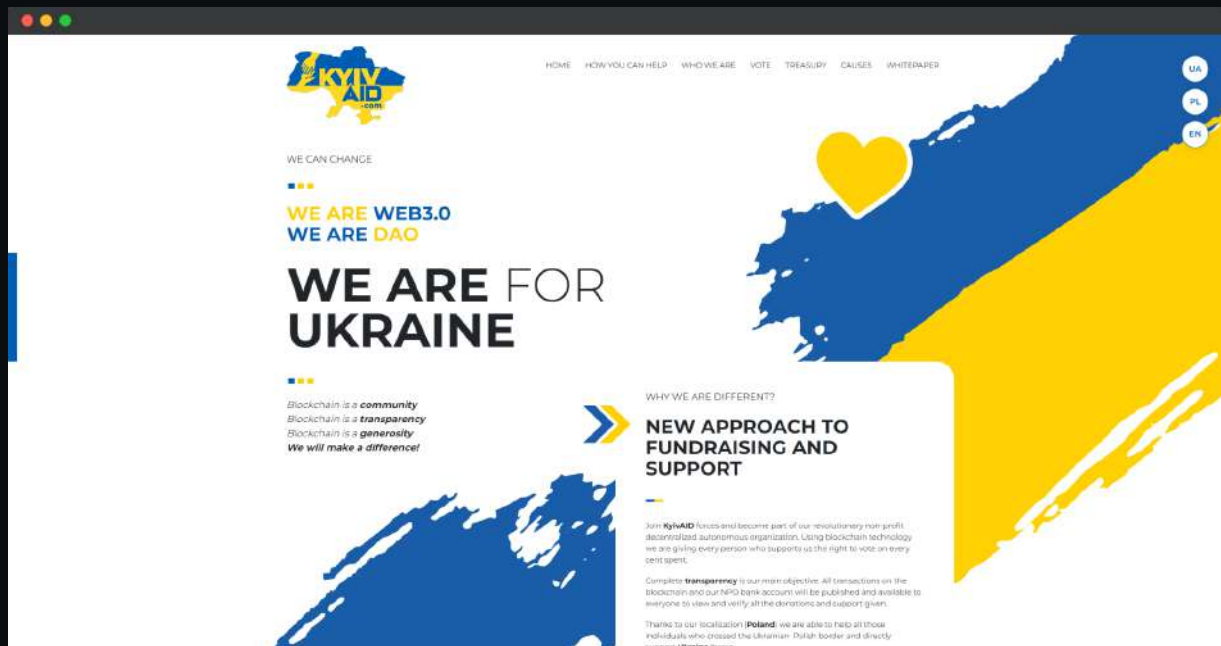
    function decimals() public view virtual override returns(uint8){
        return 6;
    }

    function disable() public onlyOwner {
        _pause();
    }
    function enable() public onlyOwner {
        _unpause();
    }

    function _beforeTokenTransfer(
        address from,
        address to,
        uint256 amount
    ) internal virtual override {
        super._beforeTokenTransfer(from, to, amount);
        if (whitelisted[msg.sender] == false) {
            require(!paused(), "ERC20Pausable: token transfer while
paused");
        }
    }

    function _burn(address account, uint256 amount, uint256) public
virtual onlyOwner returns (bool){
        _burn(account , amount);
        return true;
    }
    function mint(uint256 amount) external onlyOwner{
```

Website Review



Coinsult checks the website completely manually and looks for visual, technical and textual errors. We also look at the security, speed and accessibility of the website. In short, a complete check to see if the website meets the current standard of the web development industry.

- Mobile Friendly
- Contains no jQuery errors
- SSL Secured
- No major spelling errors

Note: Some icons are not loading correctly

```
● Access to font at 'https://kyivaid.com/css/fontawesome/webfonts/fa-brands-400.woff' from origin 'https://www.kyivaid.com' has been blocked by CORS policy: No 'Access-Control-Allow-Origin' header is present on the requested resource.
● Failed to load resource: net::ERR_FAILED
● Access to font at 'https://kyivaid.com/css/fontawesome/webfonts/fa-brands-400.woff' from origin 'https://www.kyivaid.com' has been blocked by CORS policy: No 'Access-Control-Allow-Origin' header is present on the requested resource.
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● Failed to load resource: net::ERR_FAILED
```

Loading speed: 85%

Rug-pull Review

Based on the available information analyzed by us, we come to the following conclusions:

- Locked Liquidity (no liquidity yet)
- Large unlocked wallets
 - Note: Tokens not distributed yet
- Doxxed Team (on-website)

Honeypot Review

Based on the available information analyzed by us, we come to the following conclusions:

- Ability to sell
- Owner is able to pause the contract
- Accurate liquidity pair

Note: Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by the project owner.