

**Swift, Accurate, Secure**

SMART CONTRACT AUDIT

+ Project Analysis



PROJECT NAME:	Project MetaFi
TOKEN ADDRESS:	0xE822D38B88DcFb3Aa294905545B2e757a22C90c1
TOKEN WEBSITE:	https://projectmetafi.io/
TELEGRAM:	https://t.me/ProjectMetaFi
TWITTER:	https://twitter.com/projectmetafi



ZOMBIE CRYPTO WEST HAS **PASSED** THE AUDIT WITH A HIGH SCORE OF **92%** AND IS CONSIDERED **SAFE** FROM A SECURITY STANDPOINT - PLEASE SEE FULL REPORT BELOW.

VULNERABILITIES DETECTED

CRITICAL	MAJOR	MEDIUM	MINOR	INFORMATIONAL
0	0	0	3	0

PLEASE READ BELOW FOR THOROUGH REPORT

THIS DOCUMENT CERTIFIES THE SMART CONTRACT ABOVE AS AUDITED BY RHINOAUDITING.COM

PROJECT OVERVIEW

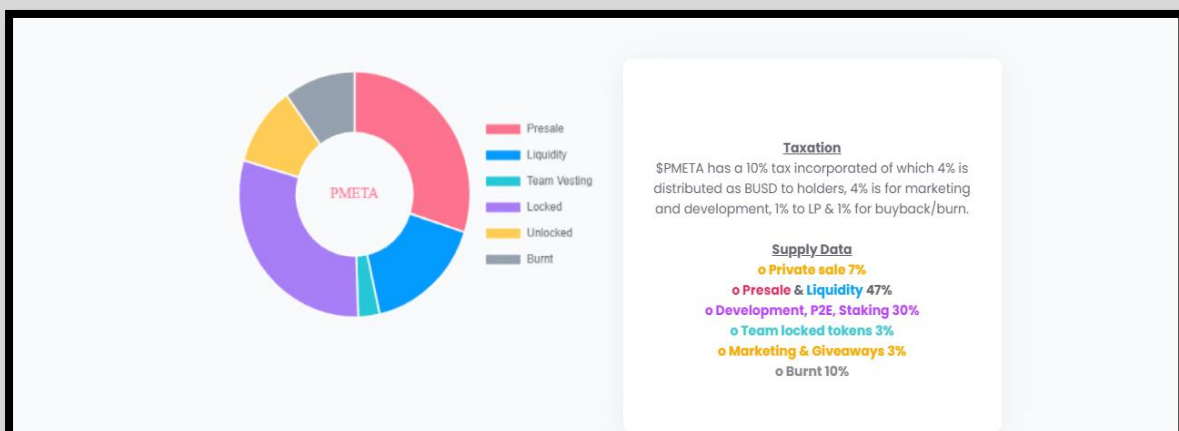
RHINO AUDITING HAS AUDITED **PROJECT MetaFi** ON THE 05TH OF MARCH 2022 AND CONDUCTED A SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS. THIS REPORT PRESENTS THE FINDINGS AND VULNERABILITIES TOGETHER WITH SUGGESTIONS ON HOW TO FIX SAID VULNERABILITIES. A SCORE WILL BE PRESENTED TO THE PROJECT BASED ON FINDINGS. THIS SCORE WILL DETERMINE IF THE PROJECT IS **SAFE** OR **UNSAFE**.

INTRODUCTION

PROJECT MetaFi IS A PLAY 2 EARN(P2E) METAVERSE PROJECT BUILT USING UNITY GAME ENGINE. THIS PROJECT WILL BE OFFERING MULTIPLE WAYS IN THE SHORT AND LONG TERM FOR INVESTORS TO HAVE CONSTANT YIELD.

PROJECT NAME:	PROJECT MetaFi
TOKEN TICKER:	PMETA
TOKEN ADDRESS:	0xE822D38B88DcFb3Aa294905545B2e757a22C90c1
NETWORK:	Binance Smart Chain Contract
TOTAL SUPPLY:	1,100,000,000 PMETA
DEV WALLET:	0xa445ae9601859df4fa08606b8474549e4c6640c2
MARKETING WALLET:	0xa77bdba3159acad8030ce4a912ffd7a82e5dc165
BUYBACK WALLET	0x07f7b6938de2bb3933b557a818b3449262bd3631
LP PAIRING:	BNB + PMETA
WEBSITE ADDRESS:	https://projectmetafi.io/

PRE-SALE TOKENOMICS



AUDIT METHODOLOGY

THE SOURCE CODE OF THE CONTRACT AUDITED IS THE VERIFIED CONTRACT LOCATED ON BSCSCAN. THIS CONTRACT WHILE UNDER REVIEW BY RHINO AUDITING HAS WENT THROUGH A RIGOROUS ANALYSIS AND EVERY LINE OF CODE BOTH MANUALLY AND AUTOMATICALLY AUDITED.

THE FOLLOWING AUDITING METHODOLOGY IS BEING USED:

- ENSURING THE CONTRACT SOURCE MEETS THE NEEDS OF THE CLIENT AND THAT THERE ARE NO SECURITY VULNERABILITIES UNTURNED THAT MAY RESULT IN INVESTOR LOSS OR THE DISSOLVING OF THE PROJECT
- VERIFY CONTRACT FUNCTIONS SUCH AS MINT, LOCK, PAUSE, AND BLACKLIST – AND ESTABLISH WHO IS ALLOWED TO PERFORM THESE FUNCTIONS & IF THEY CAN BE EXPLOITED.
- TESTING THE SMART CONTRACT AGAINST VARIOUS ATTACK VECTORS, WITH VARIOUS DIFFICULTIES.
- CLASSIFICATION OF VULNERABILITIES FOUND, ALONGSIDE WITH SUGGESTIONS ON HOW TO FIX SAID VULNERABILITIES.
- SOCIAL MEDIA ANALYSIS TO ESTABLISH PROJECT SENTIMENT AND WEBSITE ANALYSIS & REVIEW
- ASSESSMENT OF THE CODE BASE, ALONGSIDE WITH GAS OPTIMIZATION TEST AND DEPLOYMENT ON OUR LOCAL TEST NETWORK FOR FURTHER ANALYSIS AFTER DEPLOYMENT
- INSPECTION OF LIQUIDITY AND ESTABLISHING IF IT IS LOCKED, HOW LONG IT IS LONG FOR, AND WHO HAS THE RIGHTS TO REMOVE LIQUIDITY
- AN IN-DEPTH REPORT PRESENTING ALL FINDINGS TO THE CLIENT AND TO HIS INVESTORS.



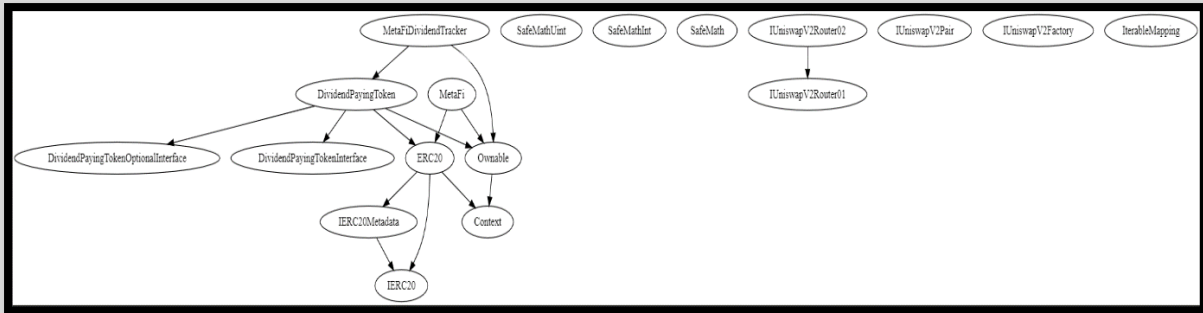
SECURITY ANALYSIS

CRITICAL	MAJOR	MEDIUM	MINOR	INFORMATIONAL
0	0	0	3	0
SWC VULNERABILITIES INSPECTED				STATUS
FUNCTION DEFAULT VISIBILITY				PASSED
INTEGER OVERFLOW AND UNDERFLOW				PASSED
OUTDATED COMPILER VERSION				FAILED(3)
FLOATING PRAGMA				PASSED
UNCHECKED CALL RETURN VALUE				PASSED
UNPROTECTED ETHER/FUNDS WITHDRAWAL				PASSED
UNPROTECTED SELF DESTRUCT FUNCTION				PASSED
REENTRANCY				PASSED
STATE VARIABLE DEFAULT VISIBILITY				PASSED
ASSERT VIOLATION				PASSED
USE OF DEPRECATED SOLIDITY FUNCTIONS				PASSED
DELEGATECALL TO UNTRUSTED CALLEE				PASSED
DOS WITH FAILED CALL				PASSED
AUTHORIZATION THROUGH TX. ORIGIN				PASSED
BLOCK VALUES AS PROXY FOR TIME				PASSED
INCORRECT CONSTRUCTOR NAME				PASSED
SHADOWING STATE VARIABLES				PASSED
WEAK SOURCES OF RANDOMNESS FROM CHAIN				PASSED
REQUIREMENT VIOLATION				PASSED
INCORRECT INHERITANCE ORDERING				PASSED
PRESENCE OF UNUSED VARIABLES				PASSED
DOS WITH BLOCK GAS LIMIT				PASSED
TYPOGRAPHICAL ERRORS				PASSED
CODE WITH NO FUNCTIONS				PASSED
UNCRYPTED PRIVATE DATA ON BLOCKCHAIN				PASSED



**THE SMART CONTRACT HAS PASSED ALL
VULNERABILITY CHECKS – NO CONCERNS**

INHERITANCE GRAPH



VULNERABILITY FIX SUGGESTION

SWC – 102 OUTDATED COMPILER VERSION - USING AN OUTDATED COMPILER VERSION CAN BE PROBLEMATIC ESPECIALLY IF THERE ARE PUBLICLY DISCLOSED BUGS AND ISSUES THAT AFFECT CURRENT COMPILER VERSIONS.

WE RECOMMEND COMPILING THE CONTRACT WITH THE NEWEST VERSION OF SOLIDITY WHICH AT THE TIME OF THE AUDIT IS VERSION **0.8.7**

IMPORTANT FUNCTIONS

OWNER CAN RENOUNCE AND TRANSFER OWNERSHIP OF CONTRACT - **NOT RENOUNCED AT THIS TIME**

```
function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _owner = address(0);
}

/**
 * @dev Transfers ownership of the contract to a new account (`newOwner`).
 * Can only be called by the current owner.
 */
function transferOwnership(address newOwner) public virtual onlyOwner {
    require(newOwner != address(0), "Ownable: new owner is the zero address");
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

OWNER CAN SET A MAX WALLET LIMIT (ALSO KNOWN AS **ANTI-WHALE**)

```
function setMaxWalletAmount(uint _value) public onlyOwner {
    require(_value >= 10 && _value <= 1000, "Max 100% of total supply");
    maxWalletAmount = totalSupply().mul(_value).div(1000);
}
```

IMPORTANT FUNCTIONS 2

OWNER CAN INCLUDE AND EXCLUDE WALLETS FROM MAX WALLET LIMIT (ANTI-WHALE)

```
function setExcludedFromMaxWallet(address account, bool exclude) public
onlyOwner {
    _isExcludedFromMaxWallet[account] = exclude;
}

function isExcludedFromMaxWallet(address account) public view
returns(bool) {
    return _isExcludedFromMaxWallet[account];
}
```

OWNER CAN EXCLUDE & INCLUDE WALLETS FROM FEES.

```
function excludeFromFees(address account, bool excluded) public onlyOwner
{
    require(!_isExcludedFromFees[account] != excluded, "MetaFi: Account is
already the value of 'excluded'");
    _isExcludedFromFees[account] = excluded;

    emit ExcludeFromFees(account, excluded);
}

function excludeMultipleAccountsFromFees(address[] calldata accounts, bool
excluded) public onlyOwner {
    for(uint256 i = 0; i < accounts.length; i++) {
        _isExcludedFromFees[accounts[i]] = excluded;
    }

    emit ExcludeMultipleAccountsFromFees(accounts, excluded);
}
```

OWNER CAN EXCLUDE WALLETS FROM DIVIDENDS

```
function excludeFromDividends(address account) external onlyOwner {
    require(!excludedFromDividends[account]);
    excludedFromDividends[account] = true;

    _setBalance(account, 0);
    tokenHoldersMap.remove(account);

    emit ExcludeFromDividends(account);
}
```

IMPORTANT FUNCTIONS 3

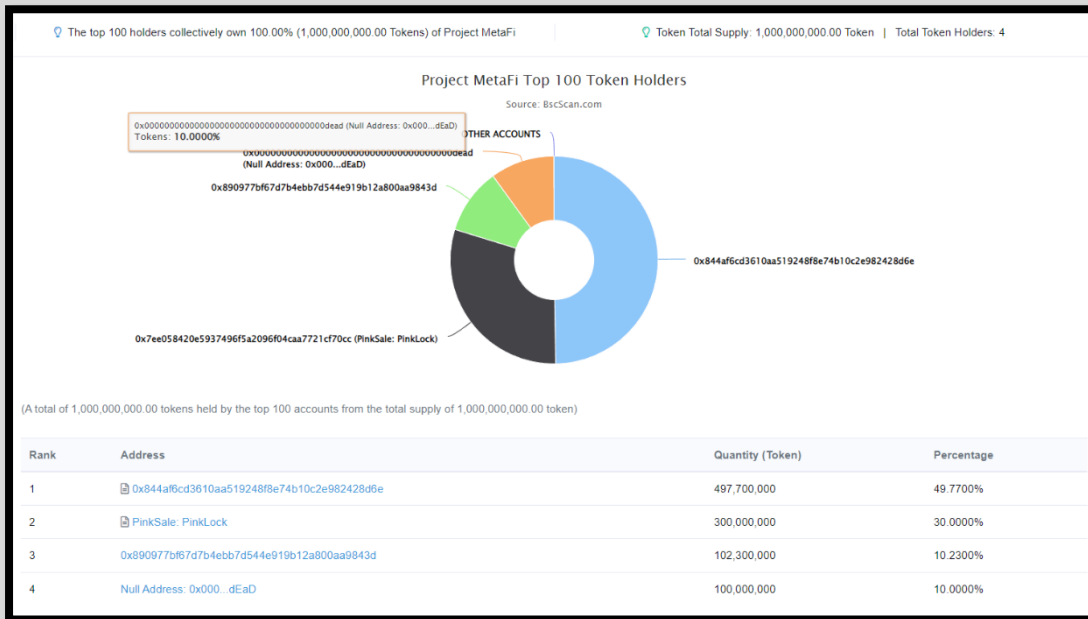
OWNER CAN SET BUY/SELL FEES UP TO 20%

```
function setBuyFees(uint256 _marketingFee, uint256 _liquidityFee, uint256
_rewardFee, uint256 _buyBackFee, uint256 _devFee) public onlyOwner {
    marketingFeeBuy = _marketingFee;
    liquidityFeeBuy = _liquidityFee;
    BUSDRewardsFeeBuy = _rewardFee;
    buyBackFeeBuy = _buyBackFee;
    devFeeBuy = _devFee;
    totalFeesBuy =
marketingFeeBuy.add(liquidityFeeBuy).add(BUSDRewardsFeeBuy).add(buyBackFeeBuy)
.add(devFeeBuy);
    require(totalFeesBuy <= 2000, "max 20%");
}

function setSellFees(uint256 _marketingFee, uint256 _liquidityFee, uint256
_rewardFee, uint256 _buyBackFee, uint256 _devFee) public onlyOwner {
    marketingFeeSell = _marketingFee;
    liquidityFeeSell = _liquidityFee;
    BUSDRewardsFeeSell = _rewardFee;
    buyBackFeeSell = _buyBackFee;
    devFeeSell = _devFee;
    totalFeesSell =
marketingFeeSell.add(liquidityFeeSell).add(BUSDRewardsFeeSell).add(buyBackFeeS
ell).add(devFeeSell);
    require(totalFeesSell <= 2000, "max 20%");
}
```


TOKEN ANALYTICS

TOKEN HOLDER ANALYTICS AS OF 06/03/2022



SOCIAL MEDIA ANALYSIS

TWITTER ACTIVITY ANALYSIS OF CLIENT AS OF 07/03/2022 FROM TRACKING AVAILABILITY

	Project MetaFi \$PMETA				
Total Likes	Total Shares	Total Posts	Followers	ER day, %	
1 047	586	28	320	21.263%	
ER post, %	LR, %	Average Likes	Average Shares		
18.225%	11.685%	37	21		

TELEGRAM CHANNEL MEMBER SIZE AS OF 07/03/2022



Project MetaFi - Presale on Marc...
3,815 members

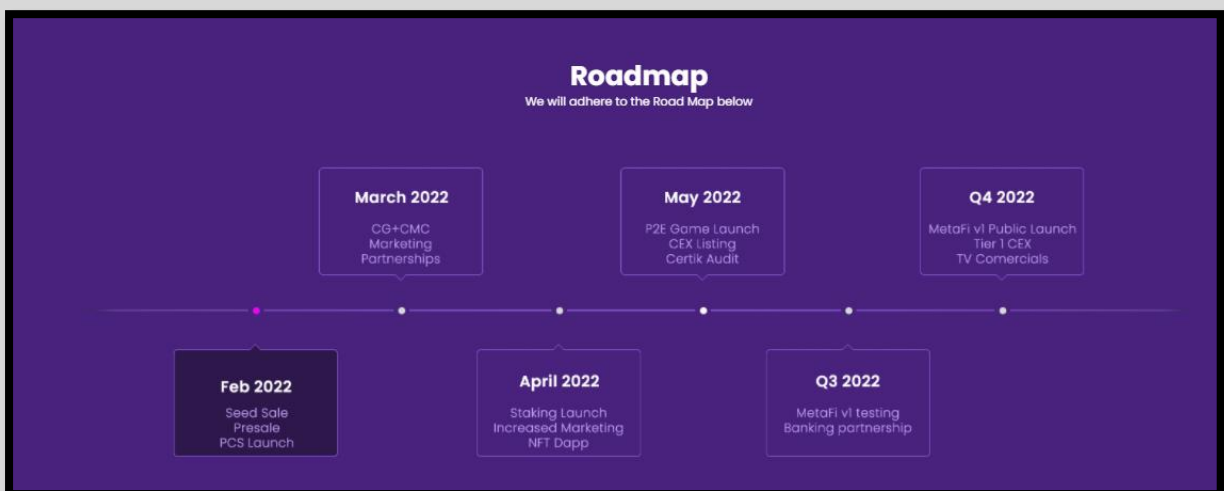
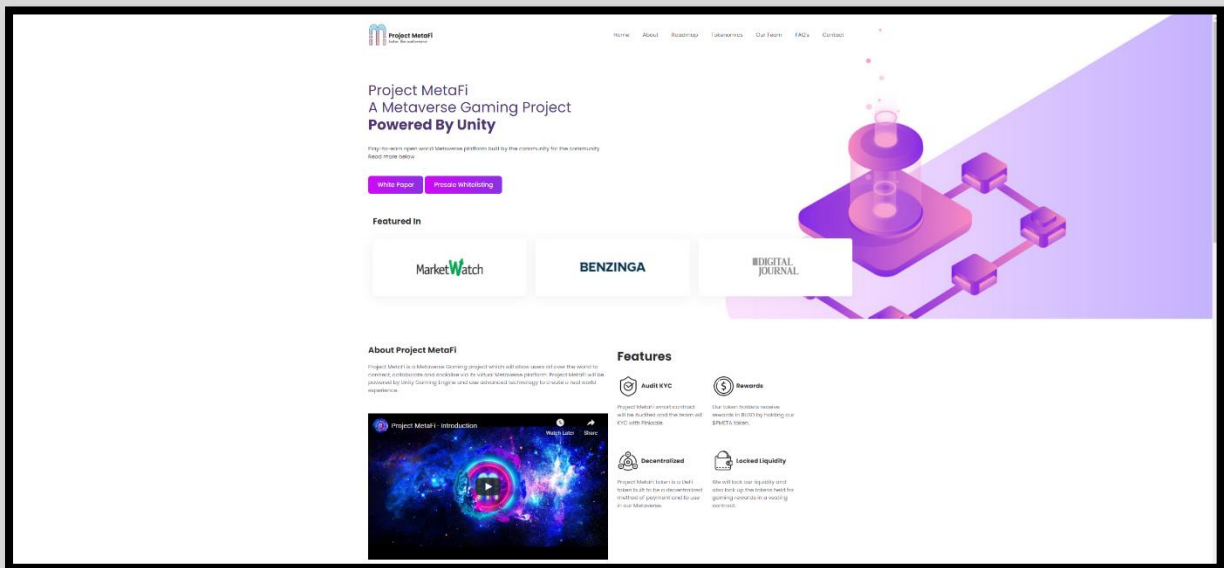
t.me/ProjectMetaFi
Link

Project MetaFi is a P2E metaverse project built using unity Game Engine. This project will be offering multiple ways in the short and long term for investors to have constant yeild.

- Average new member per hour: **23**
- Average time between messages: **4 MIN 12 SECS**
- Telegram Hype Level: **MEDIUM/HIGH**

WEBSITE ANALYSIS

PROJECTMETAFI.IO



PROJECTMETAFI.IO WEBSITE IS THE MAIN **WEBSITE** OF THE PROJECT METAFI TOKEN. IT IS WELL DESIGNED, PACKED WITH FEATURES, AND IS OF HIGH QUALITY. THE WEBSITE CONTAINS VIDEO PRESENTATION OF THE PROJECT WHICH EXPLAINS THE EXECUTION OF THE SERVICE THE CLIENT PROVIDES. RHINO GIVES THIS WEBSITE A **8/10** IN TERMS OF **DESIGN, RESPONSIVENESS, USER FRIENDLY INTERACTIVITY, AND OVERALL EASE OF READING, BONUS POINTS FOR INCLUDING A WELL THOUGHT ROADMAP**

DISCLAIMER

RHINO AUDITING HAS CHECKED THE CONTRACT CAREFULLY AND SCANNED EVERY LINE MANUALLY & USED A COMBINATION OF OVER 9 TOOLS FOR AUTOMATIC ANALYSIS. THIS GUARANTEES A HIGH LEVEL OF SAFETY AND LOW MARGIN OF ERROR. HOWEVER, WE DO NOT PROVIDE ANY WARRANTY OR GUARANTEE THAT THE CONTRACT IS ABSOLUTELY BUG FREE DUE TO THE NATURE OF THE SMART CONTRACTS.

AN AUDIT PROVIDED BY RHINO AUDITING SHOULD NOT BE CONSIDERED AS AN "ENDORSEMENT" OR "DISAPPROVAL" OF THE PROJECT/TOKEN ANALYZED AND SHOULD NOT BE USED AS A POSITIVE FOR INVESTMENT. AN AUDIT BY RHINOAUDITING IS MERELY AN ADVISORY TOOL PROVIDED TO THE CLIENT WHICH EMPHASIZES THE STRENGTH AND WEAKNESSES OF THEIR SMART CONTRACT/PROJECT. IT THE INVESTOR'S CHOICE IF THEY WISH TO SHARE THIS INFORMATION WITH INVESTORS.

RHINO AUDITING USUALLY PROVIDES SUGGESTIONS ON HOW TO FIX VULNERABILITIES THAT APPEAR – IF THERE IS NO SUCH INFORMATION THAT MEANS THAT THE SMART CONTRACT AUDIT HAS LIKELY DETECTED NO ERRORS, THEREFORE NO ADVICE TO BE GIVEN.

CRYPTOCURRENCIES AND ESPECIALLY NEWLY LAUNCHED CRYPTOCURRENCIES PROVIDE A HIGH LEVEL OF RISK. THEREFORE, IT'S EACH INVESTORS RESPONSIBILITY TO DO PROPER RESEARCH INTO THE TRUSTWORTHINESS OF EACH PROJECT THEY INVEST IN.

OUR SOCIAL MEDIA

WEBSITE: [RHINOAUDITING.COM](https://rhinoauditing.com)

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TELEGRAM: [T.ME/RHINOAUDITING](https://t.me/rhinoauditing)

EMAIL: [ADMIN@RHINOAUDITING.COM](mailto:admin@rhinoauditing.com)



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