

**Swift, Accurate, Secure**

# SMART CONTRACT AUDIT

**+ Project Analysis**

<b>PROJECT NAME:</b>	ZOMBIE CRYPTO WEST
<b>TOKEN ADDRESS:</b>	0xA2ED1f89eD0cD626C6fFa74D9ae95de5b39838f3
<b>TOKEN WEBSITE:</b>	<a href="https://zombiecryptowest.com/">https://zombiecryptowest.com/</a>
<b>TELEGRAM:</b>	<a href="https://t.me/zombiecryptowest">https://t.me/zombiecryptowest</a>
<b>TWITTER:</b>	<a href="https://twitter.com/zombiecryptow">https://twitter.com/zombiecryptow</a>



ZOMBIE CRYPTO WEST HAS **PASSED** THE AUDIT WITH A HIGH SCORE OF **95%** AND IS CONSIDERED **SAFE** FROM A SECURITY STANDPOINT - PLEASE SEE FULL REPORT BELOW.

## VULNERABILITIES DETECTED

CRITICAL	MAJOR	MEDIUM	MINOR	INFORMATIONAL
0	0	0	1	0

## PLEASE READ BELOW FOR THOROUGH REPORT

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

## PROJECT OVERVIEW

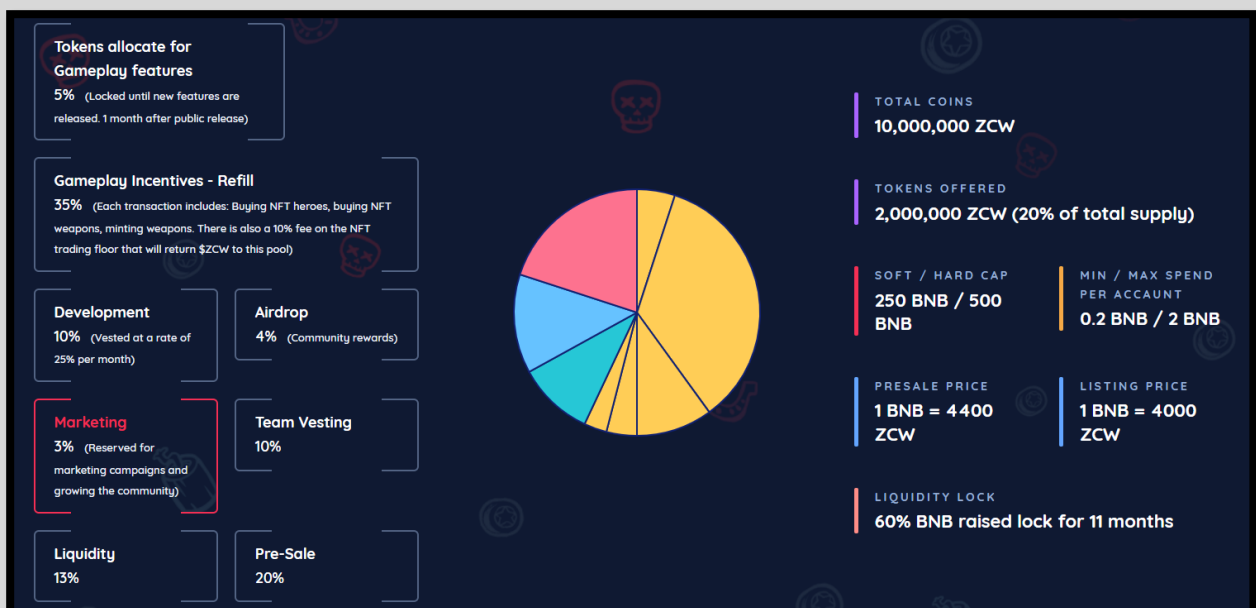
RHINO AUDITING HAS AUDITED **ZOMBIE CRYPTO WEST** ON THE 05TH OF MARCH 2022 AND CONDUCTED A SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS. THIS REPORT PRESENTS THE FINDINGS AND VULNERABILITIES TOGETHER WITH SUGGESTIONS ON HOW TO FIX SAID VULNERABILITIES. A SCORE WILL BE PRESENTED TO THE PROJECT BASED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

## INTRODUCTION

**ZOMBIE CRYPTO WEST** IS A PLAY-2-EARN GAME. THE GAME IS DEVELOPED ON UNITY ENGINE WITH MODERN GAMEPLAY AND HIGH-END GRAPHICS, SEPARATING IT FROM THE REST. **ZOMBIE CRYPTO WEST** WILL BE COMPATIBLE ON BOTH PC AND MOBILE TO BRING THE BEST EXPERIENCE TO PLAYERS

<b>PROJECT NAME:</b>	ZOMBIE CRYPTO WEST
<b>TOKEN TICKER:</b>	ZCW
<b>TOKEN ADDRESS:</b>	0xA2ED1f89eD0cD626C6fFa74D9ae95de5b39838f3
<b>NETWORK:</b>	Binance Smart Chain Contract
<b>TOTAL SUPPLY:</b>	10,000,000 ZCW
<b>DEV WALLET:</b>	0xe7a2a7acf37064cf4eaecf44f5ed0eff7dfa9b57
<b>MARKETING WALLET:</b>	N/A
<b>LIQUIDITY:</b>	NO LIQUIDITY AT THE TIME OF THE AUDIT
<b>LP PAIRING:</b>	BNB + ZCW
<b>WEBSITE ADDRESS:</b>	<a href="https://zombiecryptowest.com/">https://zombiecryptowest.com/</a>

## 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.



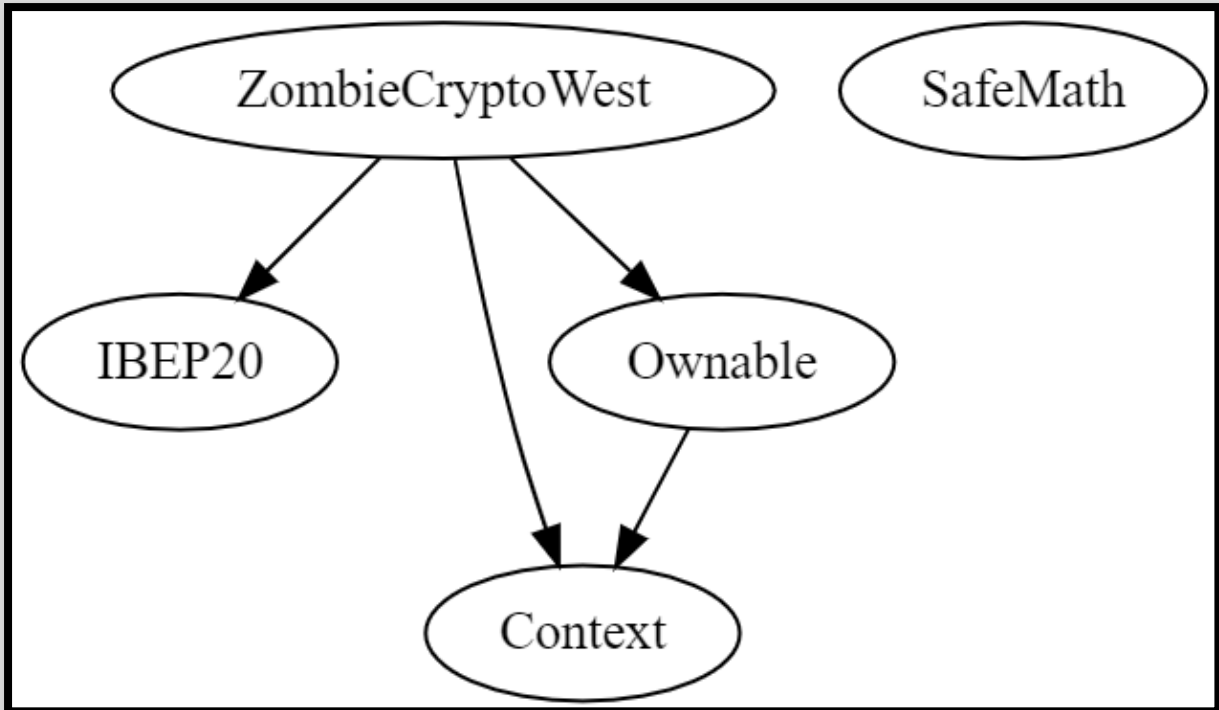
**SECURITY ANALYSIS**

<b>CRITICAL</b>	<b>MAJOR</b>	<b>MEDIUM</b>	<b>MINOR</b>	<b>INFORMATIONAL</b>
<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>SWC VULNERABILITIES INSPECTED</b>				<b>STATUS</b>
FUNCTION DEFAULT VISIBILITY				<b>PASSED</b>
INTEGER OVERFLOW AND UNDERFLOW				<b>PASSED</b>
OUTDATED COMPILER VERSION				<b>FAILED</b>
FLOATING PRAGMA				<b>PASSED</b>
UNCHECKED CALL RETURN VALUE				<b>PASSED</b>
UNPROTECTED ETHER/FUNDS WITHDRAWAL				<b>PASSED</b>
UNPROTECTED SELF DESTRUCT FUNCTION				<b>PASSED</b>
REENTRANCY				<b>PASSED</b>
STATE VARIABLE DEFAULT VISIBILITY				<b>PASSED</b>
ASSERT VIOLATION				<b>PASSED</b>
USE OF DEPRECATED SOLIDITY FUNCTIONS				<b>PASSED</b>
DELEGATECALL TO UNTRUSTED CALLEE				<b>PASSED</b>
DOS WITH FAILED CALL				<b>PASSED</b>
AUTHORIZATION THROUGH TX.ORIGIN				<b>PASSED</b>
BLOCK VALUES AS PROXY FOR TIME				<b>PASSED</b>
INCORRECT CONSTRUCTOR NAME				<b>PASSED</b>
SHADOWING STATE VARIABLES				<b>PASSED</b>
WEAK SOURCES OF RANDOMNESS FROM CHAIN				<b>PASSED</b>
REQUIREMENT VIOLATION				<b>PASSED</b>
INCORRECT INHERITANCE ORDERING				<b>PASSED</b>
PRESENCE OF UNUSED VARIABLES				<b>PASSED</b>
DOS WITH BLOCK GAS LIMIT				<b>PASSED</b>
TYPOGRAPHICAL ERRORS				<b>PASSED</b>
CODE WITH NO FUNCTIONS				<b>PASSED</b>
UNCRYPTED PRIVATE DATA ON BLOCKCHAIN				<b>PASSED</b>



**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 [0.8.6](#)

## IMPORTANT FUNCTIONS

**INFORMATIONAL** – OWNER **CANNOT** MINT ANYMORE TOKENS AFTER INITIAL DEPLOYMENT – THIS FUNCTION HAS BEEN 🔒

```
function _mint(address account, uint256 amount) internal {
    require(account != address(0), "BEP20: mint to the zero address");

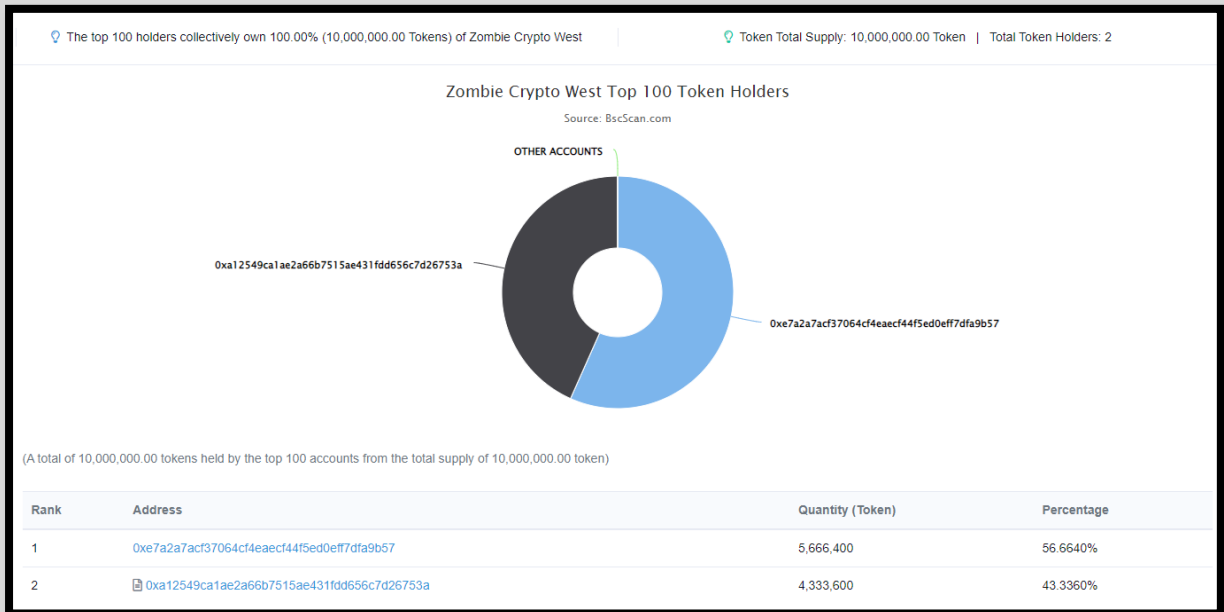
    _totalSupply = _totalSupply.add(amount);
    _balances[account] = _balances[account].add(amount);
    emit Transfer(address(0), account, amount);
}
```

## RUGPULL ANALYSIS

- NO MINT FUNCTION DETECTED
- OWNER CANNOT CHANGE FEES
- OWNER CANNOT CHANGE MAX TRANSACTION AMOUNT
- OWNER CANNOT PAUSE TRADING

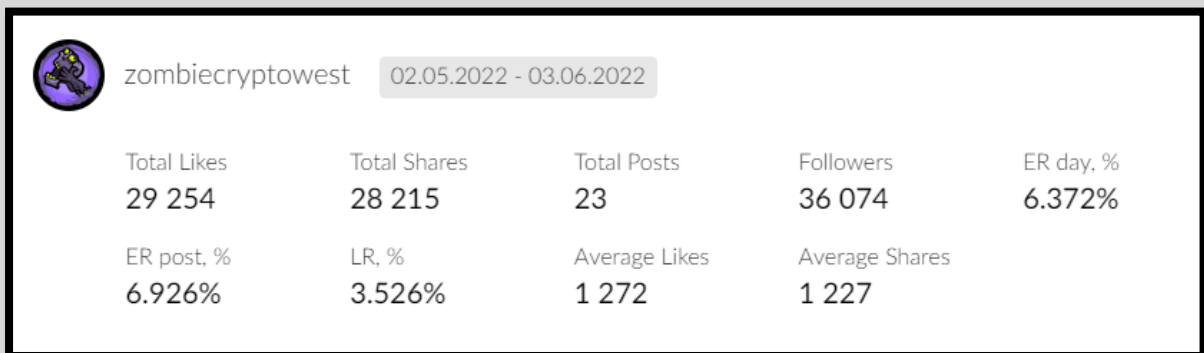
## TOKEN ANALYTICS

### TOKEN HOLDER ANALYTICS AS OF 06/03/2022

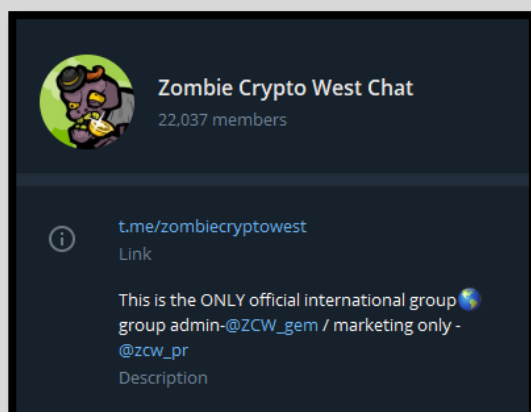


## SOCIAL MEDIA ANALYSIS

### TWITTER ACTIVITY ANALYSIS OF CLIENT AS OF 05/03/2022 FROM TRACKING AVAILABILITY



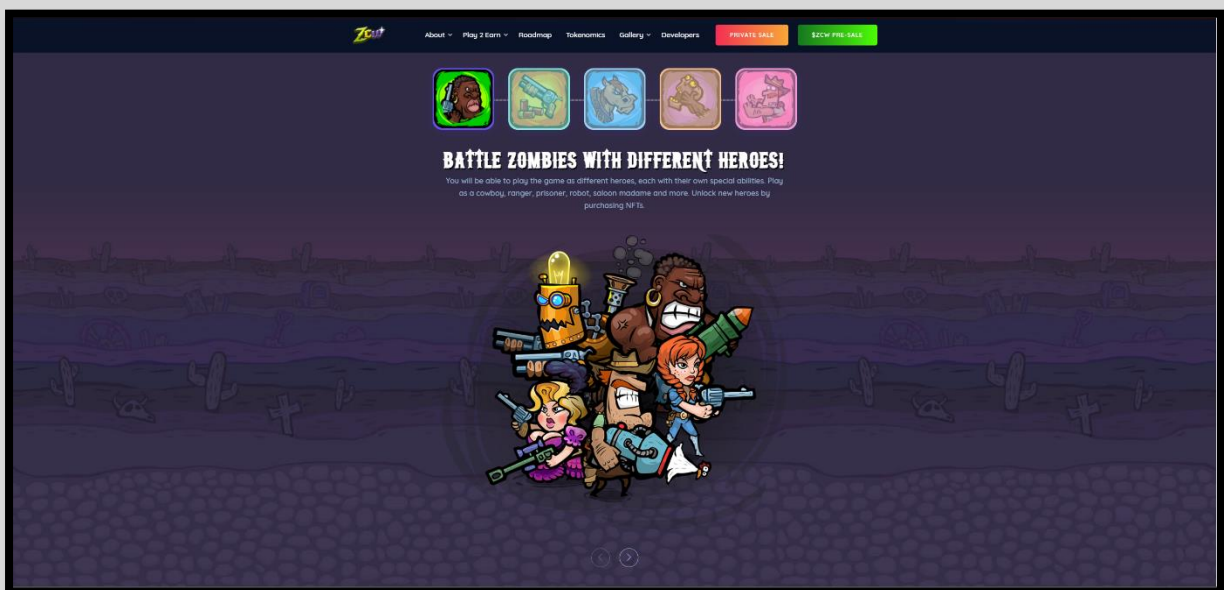
### TELEGRAM CHANNEL MEMBER SIZE AS OF 05/03/2022



- Average new member per hour: **54**
- Average time between messages: **7 MIN 34 SECS**
- Telegram Hype Level: **MEDIUM/HIGH**

## WEBSITE ANALYSIS

# ZOMBIECRYPTOWEST.COM



**ZOMBIECRYPTOWEST.COM** WEBSITE IS THE MAIN WEBSITE OF THE ZOMBIE CRYPTO WEST 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 GAME SERVICE THE CLIENT PROVIDES. RHINO GIVES THIS WEBSITE A **10/10** IN TERMS OF DESIGN, RESPONSIVENESS, USER FRIENDLY INTERACTIVITY, AND OVERALL EASE OF READING.

## 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 RHINO AUDITING IS MERELY AN ADVISORY TOOL PROVIDED TO THE CLIENT WHICH EMPHASIZES THE STRENGTH AND WEAKNESSES OF THEIR SMART CONTRACT/PROJECT. IT IS 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 INVESTOR'S RESPONSIBILITY TO DO PROPER RESEARCH INTO THE TRUSTWORTHINESS OF EACH PROJECT THEY INVEST IN.**

## OUR SOCIAL MEDIA

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

**TWITTER: [@RHINOAUDITING](https://twitter.com/rhinoauditing)**

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

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



**BOOK AN AUDIT BY CONTACTING: [T.ME/RHINOCEO](https://t.me/rhinoceo)**

**PLEASE CHECK OUR WEBSITE FOR VARIOUS PRICING PACKAGES, WE OFFER KYC SERVICES, ICO CONSULTING, WEBSITE & SOCIAL MEDIA ANALYSIS AND SUGGESTIONS ON HOW TO IMPROVE MOST ASPECTS OF YOUR CRYPTOCURRENCY BUSINESS.**