



**WHITEPAPER**

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## Introduction

BITCOIN was the genesis...

In many ways Bitcoin was the first application of DeFi. Bitcoin made it possible for you to really own, control value and send it anywhere around the world. It achieved this by providing a way for a large number of people, who don't trust each other, to agree on a ledger of accounts without the need for a trusted intermediary. Bitcoin is open-sourced to anyone and no one has the authority to change its rules. The rules of Bitcoin, like its scarcity and its openness, are written into the blockchain technology. It's not like traditional finance where governments can print money which devalues your savings and companies can shut down markets.

Ethereum made blockchain programmable. Like Bitcoin, the rules can't change on you and everyone has access. Ethereum made this digital money programmable, using smart contracts, so you can go beyond storing and sending value.

DeFi is an open and global financial system made possible by blockchain and smart contract, built for the internet age – an alternative to a system that's opaque, tightly controlled, and held together by decades-old infrastructure and processes. DeFi gives you control and visibility over your money removing any middle man. It gives you exposure to global markets and alternatives to your local currency or banking options.

DeFi products like ZEROLOSS opens up financial services to anyone with an internet connection and is largely owned and

maintained by their users. So far tens of billions of dollars worth of crypto has flowed through DeFi applications and is growing every day.

## **Ideology**

ZEROLOSS is a DeFi Utility platform on the BSC network. A platform built to provide sustainable growth, to help people trust one another, work better together and build global solutions to global problems.

it's a system of currency made possible by the smart contract technology, It's not a company, it's not a product and it's not a service that you sign up for, it is DeFi and DOA.

ZEROLOSS is a disruptive DeFi platform and DEX built with the concept of interoperability and decentralization.

DeFi is a collective term for financial products and services that are accessible to anyone who can use internet and made possible by Blockchain – anyone with an internet connection can use ZEROLOSS.

ZEROLOSS is a POS utility platform with PMMe algorithm and POE as the core interoperability model.

ZEROLOSS is the utility, \$ZLT is the currency

ZLT is the utility token of ZEROLOSS utility dApp focused on the purpose of creating, bringing in and maintaining the values of ZEROLOSS, users of ZEROLOSS are rewarded with more value through staking, NFT, liquidity pool mining and yield farm.

## Purpose

ZEROLOSS is a DeFi 2.0 platform powered by the Proactive Market Maker enacted (PMMe) algorithm. It features highly capital-efficient liquidity pools that support single-token provision, reduce impermanent loss, and minimize slippage for stakers and traders.

The trading platform also offers SmartTrade, a decentralized liquidity aggregation service that routes to and compares various liquidity sources to quote the optimal swap rate between any two tokens. In addition, ZLT is removing all roadblocks hindering liquidity pool creation for the issuance of new assets - asset ratios, liquidity depths, fee rates, and other parameters can all be freely customized and configured in real-time.

Based on this breakthrough, ZEROLOSS has developed IDO liquidity mining, a permission-less, equal opportunity liquidity offering mechanic, as well as customizable technical solutions geared towards professional on-chain market makers.

ZEROLOSSPad the staging point for every new opportunity. Empower your business through ZEROLOSS, and discover the future of technology.

Our IDO is designed to bootstrap your business idea in a permission-less way with ZEROLOSS as the utility and ZLT the currency.

Blockchain technology holds the answer to a number of legacy challenges, whether financial, societal, or technological. It dis-intermediates essential relationships, and redistributes power to alleviate costly dependencies, restrictive paradigms, and inefficient systems of transaction and exchange. ZEROLOSS is a realization of this potential.

ZLT carries the value of the ZEROLSS utility with a new financial structure and tokenomics to make the value of ZEROLSS interoperable over time.

## **Description of Product**

ZEROLOSS dAPP suite consists of Rug-Pool checker, IDO/ Crowdpooling, SmartTrade trading and aggregation, pools, and mining (which includes liquidity mining, trading mining, and combiner harvest mining otherwise know as yield farming). It is integrated with various wallet applications through which users can interact with the platform.

- **Rug-Pool Checker:**

Zeroloss have developed a smart way to let DeFi users and crypto investors to perform DYOR on any Token onchain. With a smart contract address you get a deep insight into the vital security checks of the tokens in your portfolio and spot possible Rug-pools

- **SmartTrade trading and aggregation:**

Built on Binance Smart Chain (BSC), ZEROLOSS enables trading between two tokens on the same network. The SmartTrade feature finds the best order routing intelligently from aggregated liquidity sources to give traders the best prices. Users who execute trades on ZEROLOSS also have the option to participate in liquidity mining, which rewards traders with ZLT tokens.

- **IDO:**

An equal opportunity way to distribute tokens and kick-off liquidity markets. Inspired by the call auction mechanism commonplace in securities markets, IDO ensures that there is no front-running or bot interference through crowdpooling. With the added security and assurance provided by a liquidity protection period, users are

able to participate in liquidity offering campaigns and be involved in the projects they support with great peace of mind.

- **Pools:**

ZEROLOSS gives liquidity providers the flexibility to create and manage their own market making strategies through the ZEROLOSS and ZLT Private Pool. This is a fully non-custodial, permission-less process and users are empowered to configure pools with various parameters in order to establish liquidity markets with the ideal pricing curves that suit their needs.

- **Mining:**

In addition to the aforementioned liquidity mining and traditional trade mining, pool creators, stakers and liquidity providers can also get involved by participating in combiner harvest mining (yield farming), which gives ZEROLOSS platform users readily available exposure to trending, promising projects that are willing to collaborate with ZEROLOSS. Vetted projects can create liquidity pools on ZEROLOSS and liquidity providers of these pools will receive ZLT reward tokens.

- **Stake:**

ZEROLOSS introduces the POE Algorithm for stakers to accrue more interest in ZLT against the staked token not minding the market movement. This will prevent the users of ZEROLOSS from FOMO in bear market conditions, letting them hold onto their crypto tokens and portfolio.

- **PMMe:**

Proactive Market Maker enacted (PMMe) is a new blockchain market making model. It is different from the non-constant function market maker and automated market making (AMM) model, which separates the transaction-to-asset relationship. Parameters such as asset ratio and curve slope can be flexibly

set. At the same time, an oracle machine is be introduced to guide prices or price discovery by the market on the chain. This oracle also gathers more funds near the market price and provides sufficient liquidity.

## ZEROLOSS DRIVE

ZEROLOSS is a smart **Utility Dapp** and **DeFi** exchange platform built with sustainable interoperability for the growth of every DeFi user with the Proactive Market Making (PMMe) algorithm. it was developed entirely in-house by the DODO team and is an elegant, on-chain generalization of order-book trading. It is adapted and optimized for operations on the blockchain and has proven itself to be highly performant and capital-efficient (as its high volume/TVL ratio can attest) with many innovative, flexible use cases in market making with very reduced risk.

- ZEROLOSS supports efficient on-chain professional market making. Any project owner, market maker, or retail investor can comprehensively control and execute their market making strategies in an efficient, flexible manner, by adjusting parameters such as market mid-price, liquidity depth, and spread. This liquidity on ZEROLOSS can also be shared and is composable with other on-chain smart contracts.
- ZEROLOSS is both a dAPP, IDO Launchpad, an aggregator and DEX; it uses smart trade liquidity pools and also supports trading between any two tokens available on the market.

- The ZLT token economics model introduces a fee sharing mechanism. In addition to its governance functions, ZLT gives holders IDO participation allocations and platform fee discounts. The system's vZLT proof-of-membership tokens entitle holders to membership rewards and trading fee dividends, as well as the ZLT holder benefits.

## The Math Behind ZLT

### Core POE and PMM algorithm

The core of PMM is essentially *calculating one integral and solving two quadratic equations while POE makes it continuously interoperable*. The smart contract implementation can be found



below

The Price Curve Integral



$$\begin{aligned}\Delta Q &= \int_{B_1}^{B_2} P_{margin} dB \\ &= \int_{B_1}^{B_2} (1 - k)i + i(B_0/B)^2 k dB \\ &= i(B_2 - B_1) * (1 - k + k \frac{B_0^2}{B_1 B_2})\end{aligned}$$

This tells the trader how much they should pay if they buy  $B_2 - B_1$  base tokens.

Rearranging the equation above, the average transaction price is thus:  $P = \frac{\Delta Q}{B_2 - B_1} = i * (1 - k + k \frac{B_0^2}{B_1 B_2})$

We found that the average transaction price is only dependent on the state of the system before and after the transaction, so the price calculation methods for both buying and selling are the same: integrating  $P_{margin}$ .

For traders, the most important thing is the average transaction price. The average transaction price is the integral of the marginal price  $P_{margin}$ .

Let's take the base token shortage scenario as an example.

## **PMM: A Universal Liquidity Framework**

Markets contain huge amounts of information that represent buyers and sellers' sentiments and valuation of assets.

In essence, a market reacts to changes in available information and requires sophisticated mechanisms to do so efficiently when the amount of data is very large.

In a blockchain context, building a mechanism that incorporates all the important information needed for market making and is also able to operate quickly and dynamically within current technological constraints is not an easy task, and requires a



prioritization of different kinds of market information.

To keep our market-making algorithm running smoothly and efficiently, we need to boil the vast sea of market information down to its most crucial core metric.

So, what is a market's "most important metric"? The answer is liquidity. Liquidity can be graphically represented by a market depth chart, as shown below.

## Base & Quote Tokens

base and quote are two concepts that will be mentioned frequently. Two easy ways to distinguish between them are:

- In a trading pair, the base is always the token before the hyphen, and quote is after it
- In transactions, the price refers to how many quote tokens are needed in exchange for one base token

For example, in the ETH-DAI trading pair, ETH is the base token and DAI is the quote token

## **Maintainer fee**

A maintainer fee is also collected from what buyers receive, and is directly transferred to the maintainer. The maintainer may be a development team, a foundation, or a staking decentralized autonomous organization (DAO).

Currently, the maintenance fee on ZLT is 0.

gZLT is the governance token of ZEROLOSS and have a tax of 7% for buys and 14% for sells to maintain the ZEROLOSS dAPP.

## Legal and Risks

### Do Your Own Research (DYOR)

The information provided in this publication does not constitute investment advice, financial advice, trading advice, or any other sort of advice. You should not treat any of the publication's content as such. This material is for informational purposes only and is not (i) an offer, or solicitation of an offer, to invest in, or to buy or sell, any interests or shares, or to participate in any investment or trading strategy, (ii) intended to provide accounting, legal, or tax advice, or investment recommendations, or (iii) an official statement of ZLT token. No representation or warranty is made, expressed or implied, with respect to the accuracy or completeness of the information or to the future performance of any digital asset, financial instrument, or other market or economic measure. The ZEROLOSS team does not recommend that any cryptocurrency should be bought, sold, or held by you. Do conduct your due diligence and consult your financial advisor before making any investment decisions. By purchasing ZLT, you agree that you are not purchasing a security or investment, and you agree to hold the team harmless and not liable for any losses or taxes you may incur. You also agree that the team is presenting the token "as is" and is not required to provide any support or services. You should have no expectation of any form from ZLT token and its team. Although ZLT is a community-driven decentralized finance (DeFi) token for reward, social networking and not a registered digital currency, the team strongly recommends that citizens in areas with government bans on cryptocurrencies do not purchase it because the team cannot ensure compliance with established regulations within certain territories. Always make sure that you comply with your local laws and regulations before you make any purchase.

#### Risk Disclosure

Please note that there are always risks associated with smart contracts. Please use them at your own risk.

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