GALE NETWORK

a high-yield certificate of deposit smart-contract serving as a base protocol for building a suite of DEFI services.

WHITE PAPER

www.gale.network

TABLE OF CONTENT

GALE

01.
INTRODUCTION

01. INTRODUCTION

This document details the underpinnings of the GALE dapp - a high-yield certificate of deposit smart-contract serving as a base protocol for building a suite of DEFI services. At its core, it is a hybrid of 2 most successful passive income DEFI apps - HEX (Defi 2.0) and DRIP (Defi 3.0). Building on the success of these applications, GALE aims to extend revenue potential by adding other DEFI applications like a decentralized Launchpad and GALE lottery.

We only see far by standing on the shoulders of giants. That said, GALE is in no way affiliated with the HEX protocol or Drip Network.

02. ABOUT GALE NETWORK

GALE is primarily a Certificate of Deposit (CD) smart contract that pays a higher interest rate than traditional CDs offered by banks. It comprises trustless, secure, immutable and censorship resistant smart contracts powered by the GALE token. GALE is designed to appreciate and serve as a store of value as against traditional currencies that devalue over time. In addition, the GALE ecosystem supercharges GALE by offering stakers of GALE a host of DEFI services beginning with the GALE launchpad and lottery.

03. GALE TOKEN

GALE will first be launched on the Binance Smart Chain as a BEP20 token. (There will be subsequent expansion to other EVM compatible blockchain). GALE is a fungible token with a primary staking function. By design, GALE is scarce and net deflationary. Stakers of GALE will

- Earn interest on their stake (1.2% per day for 365 days)
- Get allocations to projects on the GALE launchpad
- Get voting rights in decision making as pertains to the development of the GALE ecosystem
- Gain access to other DEFI services (at discounted rates) to be offered in the GALE ecosystem

GALE Distribution and Token Supply

- GALE is net deflationary and has no fixed supply (the design based on token utility ensures a net deflation)
- GALE will be minted during purchase from daily auctions with the last supply minted on day 180.
- Auction day 1 will have 25,000,000 GALE tokens and will be available to 200 whitelist participants chosen through a sweepwidget lottery with an individual Cap of 50BUSD.
- Auction days 2 to day 180 will be open to everyone with a daily auction cap of 10,000 BUSD per wallet.
- Auction day 2 will have 22,560,000 GALE tokens up for auction, day 3 will have 20,445,179 GALE and will decrease steadily until Auction day 180 when only 50,000 GALE will be available.
- Total GALE to be minted from Auction will be 1,871,630,931 GALE
- There will be an initial mint of 345,833,334 GALE to cover for Airdrop (to Drip, Hex and Rex holders), Initial Liquidity on Pancakeswap, initial marketing and Dev Fee. All non-liquidity tokens from this mint are Claimed to stake (i.e burnt) and would not put a sell pressure on the market.
- GALE obtained from participating in daily auction can be claimed to stake with a 5% bonus or claim directly to users wallet (without bonus)
- Initial Circulating supply within the pancakeswap pool will be 41,666,667 GALE
- With a Pancakeswap listing price of 0.0006 BUSD Initial Market cap will be $25,000
- In addition GALE will be available to purchase on DEXs and CEXs alongside the Auction. This creates an interesting game play dynamics between traders, speculators and Stakers.
- After completion of Auctions on day 180, GALE will be available to purchase only through DEXs and CEXs
- The protocol pays the Daily ROI and referral bonus from Tax as opposed to through Inflation, hence GALE token is net deflationary

* Seed	212, 500, 000, 000.00	9.58%
* Presale (Day 1)	25, 000, 000,00	1.13%
Public Sale Supply (Day 2 -180)	1,846,630,931.00	83.28%
* Airdrops	41,666,667.00	1.88%
** Devs & Partners	50,000,000.00	2.25%
Liquidity	41,666,667.00	1.88%
	2,217,464,265.00	

* Tokens are "claim to stake" and not available at launch.
** Tokens have a 3 months cliff and thereafter "claim to stake".

04.
GALE WINDMILL

04. GALE WINDMILL

Depositing in the windmill

- The GALE windmill is a low-risk, high reward certificate of deposit smart contract
- GALE is deposited in the windmill to earn passive income
- The windmill rewards 1.2% daily ROI for 365 days (Max Payout 438%)
- ROI is paid from GALE Tax pool and not by inflation hence the model is sustainable.
- New GALE will only be minted to support payout in the unlikely scenario of Tax pool insufficiency. This is only a fail-safe mechanism and will cease as soon as the Tax pool regenerates.
- Minimum amount of GALE token to deposit in Windmill is 1 GALE.
- All GALE deposited into the windmill incurs a 10% tax deduction with the remaining 90% being burnt (This is the protocol's primary deflationary mechanism)
- The ROI can be super-charged by compounding as frequently as possible (see calculator)
- When compounding, the available dividend is redeposited into the windmill
- Compounding exponentially increases daily ROI and Max payout
- Compounding Transactions have a cheaper tax of 5% instead of the 10% tax on direct deposits into the Windmill.

Tax Pool

There is a 10% tax on every windmill transaction except for compounding which is a 5% tax. There is also a 2.5% bonus on deposit and compounding for accounts which have 5 or more direct referrals
The tax pool is used

- To pay daily ROI
- To pay Referral Bonuses
- To pair BUSD in the pancake swap to lock in liquidity

05. DAILY AUCTIONS

- ✔ The daily Auction is the primary way **GALE** tokens will be released into circulation
- ✔ The daily Auction will last for 180 days, with a decreasing amount of tokens distributed each day.
- ✔ Users deposit BUSD into the auction contract to reserve a share of the day's distribution of **GALE.**
- ✔ Minimum BUSD deposit is 2 BUSD and Maximum 10,000 BUSD per account.
- ✔ At the end of an auction day, GALE tokens wtill be assigned in proportion to the user's contributed BUSD relative to the total BUSD contributed for that day.
- ✔ The assigned **GALE** tokens can be claimed from the dashboard alongside any referral bonus from daily auctions. You have the option "claim to stake" with a 5% bonus or to "claim" to your wallet with no added bonus. No tax on Claim or withdrawal from auction.

06. REFERRAL BONUSES

There are 2 referral bonus systems in the protocol
- ✔ *Referral bonus for depositing in the Windmill*
- ✔ *Referral bonus for participating in Daily auctions*

Referral bonus for Depositing in the windmill
- ✔ *Referral bonus is paid for direct referrals and downlines (indirect) up to the 4th generation*
- ✔ *You must have an active stake of GALE tokens in the windmill of not less than 1000 GALE to benefit from referral rewards.*
- ✔ *Referral rewards are automatically claimed to stake in the windmill.*
- ✔ *The NFT tier determines the depth/level of referral bonus you benefit from.*
- ✔ *If an upline does not qualify for a referral bonus, the bonus is paid to the next upline that is qualified until all referral bonuses have been distributed or a max depth of 15 levels is reached*

Referral bonus for participating in Daily auctions

- ✔ A 8% referral bonus is paid in GALE tokens to the referrer on the amount contributed to the auction by the referee.
- ✔ Additional referral bonus up to 3% is paid in BUSD to the referrer based on the NFT type held. (Air 1.5%, Breeze 2%, Storm 3%).
- ✔ The Gale Referral bonus will be staked when claimed
- ✔ The BUSD referral bonus is immediately paid directly to your wallet.
- ✔ To be eligible, a referral address must have participated either in the Auctions or deposited in the Windmill

REFERRAL	BONUS
Direct (Level 1)	8%
Indirect Gen 1 (Level 2)	3%
Indirect Gen 2 (Level 3)	2%
Indirect Gen 3 (Level 4)	1%
Indirect Gen 4 (Level 5)	1%
TOTAL	**15%**

07. FREE AIRDROP

Referral bonus for participating in Daily auctions

- ✔ An airdrop will be available to claim by the DRIP, HEX and REX communities
- ✔ A total of 41,666,667 GALE tokens are available for Airdrop claims after which the airdrop program is ended.
- ✔ Airdrop will be automatically claimed to windmill
- ✔ Snapshot of eligible wallets have been taken
- ✔ Airdrops do not contribute to referral rewards
- ✔ Airdrop can only be claimed once per wallet

08.
LOTTERY

- 25% of the daily contributions to auction would be allocated to a lottery pool
- The GALE lottery will be conducted on a daily basis
- Access to the lottery will be through the purchase of lottery tickets using GALE tokens
- Only depositors of not less than 1000 GALE tokens in the windmill are eligible to participate in the daily lottery
- A lottery ticket is only valid for one (1) entry
- There is no limit to the number of ticket entries per draw. Increase your number of ticket entries for a greater probability of winning.
- All GALE tokens received from ticket purchases are burned
- The prize pot is shared by the winners of the draw picked by a provably fair random number generator
- Our random number generator achieves randomness using the following code snippet:

```
for (uint i = 0;  i < LOTTERY_WINNERS; i++) {
        uint random =
uint256(keccak256(abi.encodePacked(msg.sender,
            i * block.timestamp,
            i * block.difficulty,
            curDay,
            numberOfPlayers,
            dailyLotto[curDay].players[numberOfPlayers-1]))) %
numberOfPlayers;
        dailyLotto[curDay].winningTickets.push(random);
    }
```

STAKE BALANCE	MULTIPLIER
500, 000	x2
2, 500, 000	X3
12, 500, 000	X4
62, 500, 000	X5

- This makes it possible to compute the winners of the draw at any given time by inputting all dependent values.
- The ticket price and number of winners per draw are subject to change as deemed fit by the team and community.
- Additional bonus is applied at purchase depending on the NFT held by the purchaser.
- A multiplier bonus is applied to ticket purchases based on the amount of GALE the user has staked in the Windmill. See table below (values are subject to change as GALE prices increases)

7

09. ANTI-WHALE TAX

Anti-whale tax is a dump prevention mechanism incorporated to prevent whales from gaming the system adversely

This tax is applied to withdrawals and is calculated based on the staked holdings of the wallet relative to the total supply of **GALE**

Percentage of Total Supply Owned	TAX
<1%	0
1 - 1.99%	5
2 - 2.99%	10
3 - 3.99%	15
4 - 4.99%	20
5 - 5.99%	25
6 - 6.99%	30
7 - 7.99%	35
8 - 8.99%	40
9 - 9.99%	45
10% and above	50

10. TREASURY

The treasury is built from the BUSD contributed during daily auctions and is used to build the GALE ecosystem.

Treasury Funds are allocated in the following manner

- *35% Marketing*
- *5% Team*
- *5% Reserves*
- *25% Daily Lottery*
- *5% Liquidity Pool`*
- *25% allocation to bootstrap DEFI suite of apps*

This formula is subject to change through governance.

10. NFTs

NFTs are introduced to give its owners certain perks

NFT Perks include:

- ✔ *Depth of Indirect referral bonus from deposits into the Windmill*
- ✔ *Additional Lottery tickets*
- ✔ *Additional Tickets for Launchpad*
- ✔ *Direct Referral bonus paid in BUSD depending on NFT type in possession.*
- ✔ *Other use cases will be added as the GALE network evolves*

The Genesis NFT collection will have 3 tiers - Air, Breeze and Storm

These NFTs qualifies the holder for direct referral bonuses in BUSD from auction and Indirect referral bonuses from windmill down to 15 levels deep

NFT TYPES	DIRECT REFERRAL BONUS IN BUSD FROM DAILY AUCTION	LOTTERY TICKET BONUS
AIR	1.5%	+1
BREEZE	2%	+3
STORM	3%	+7

NFT TYPES	DOWNLINES ACCESSIBILITY LEVELS FOR INDIRECT REFERRAL BONUSES FROM WINDMILL
AIR	Grants access to indirect referral bonuses from the First 3 indirect Levels
BREEZE	Grants access to indirect referral bonuses from the First 7 indirect levels
STORM	Grants access to indirect referral bonuses from all 15 indirect Levels

12. LAUNCH PAD

- ✔ *The first DEFI product to be released on the base protocol*
- ✔ *We aim to create a launchpad that will give the* **GALE** *community the opportunity of getting into high quality DEFI projects.*
- ✔ *We aim for quality over quantity and with the involvement of the community we will target innovative projects in the blockchain space.*
- ✔ *Allocation will be based on a lottery system which sizes up each wallets staked holdings i.e The more a wallet's staked* **GALE,** *the more tickets allotted, and the*
- ✔ *higher the probability of winning an allocation.*
- ✔ *The exact details of the launchpad will be released down the road.*

13. GOVERNANCE

- ✔ *This whitepaper highlights the vision of the* **GALE** *network team and provides the basis to bootstrap an incredible DEFI ecosystem.*
- ✔ *However the end game is to hand over governance to the community.*
- ✔ *We believe the Wisdom of the crowd always trumps the brilliance of a single man or limited group of people.*
- ✔ *A number of DAO options are already being considered which will be detailed in the near future*