

WHERE PIGS AND DOGS
COME TO PLAY

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 **Animal Farm**



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**PIGGY
PLINKO**



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P01

PIGGY PLINKO OVERVIEW

WHAT IS IT?

Piggy Plinko is a **decentralized, immutable, on-chain** crypto game where users drop pucks into the Animal Farm pegboard. The payout is determined after the puck falls through the pegboard and lands in a bucket where each bucket is assigned a multiplier.

HOW IT WORKS.

Utilizing a robust and reliable **Chainlink VRF** (verifiably random function) makes Piggy Plinko a verifiably random game. This provides players with **provably** fair outcomes which are impossible to corrupt.



HOW TO PLAY!

Players can place bets in Piggy Plinko with four different tokens (**AFD, AFP, BUSD, BNB**) and see the prizes paid out in the token they wagered.



AFP



AFD



BUSD



BNB

➤ TOKENS TO PLAY ◀



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P02

DOG MODE

DOGS PAY BETTER!

Players placing bets with **BNB** or **BUSD** earn a **10% payout** increase if they choose to have their prizes paid out in **AFD**. The prizes they would receive are used to purchase **AFD**, substantially increasing buy pressure.

SHOW ME THE WAY 

Step 1: Bet with BNB or BUSD

Wager

 BUSD ▼	103.502
 BNB 	<u>Max</u>

Step 2: Enable Dogs Mode

DOG MODE 



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P03

THE BANKROLL

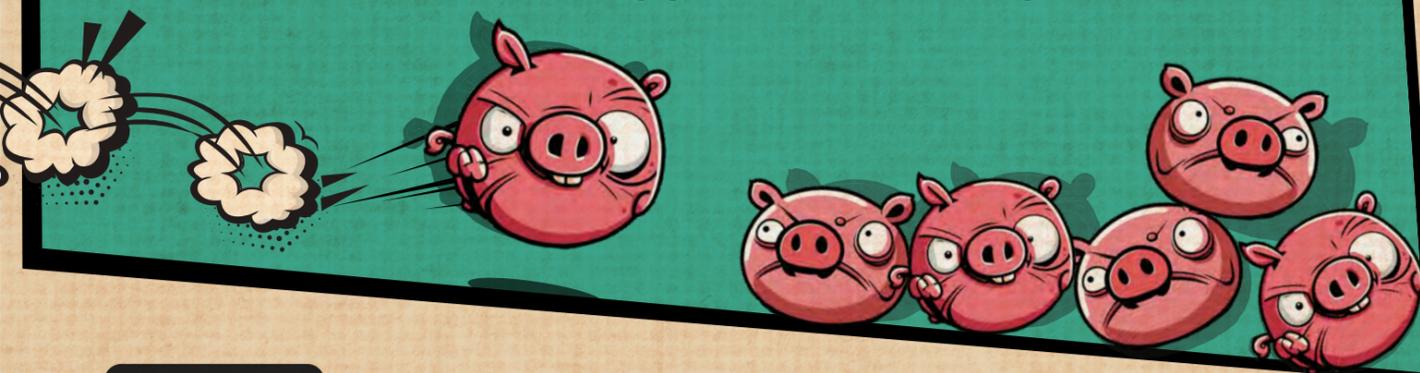
Each playable token has its own bankroll allowing for unique game mechanics, prize payout, and token distribution to best support the player and ecosystem.

 **BUSD** earned by house is pooled & directly utilized to support the ecosystem.

 **BNB** earned by house is pooled & directly utilized to support the ecosystem.

 **AFP** earned by house is permanently locked in **PigPen** to earn **BUSD** which is then used to support the ecosystem.

 **AFD** earned by house is permanently locked in **DogPound** to earn **BNB** which is then used to support the ecosystem.



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The bankroll is a collection of tokens.



Max bet size is variable and calculated off of current bankroll and using the **[kelly criterion]**

[Kelly calculator](#)

Bankroll contracts are designed to support any EVM token allowing us to create utility for partner tokens and collaboration to support the **Animal Farm ecosystem**.

P04

PIGGY PLINKO MECHANICS

The first step in the Piggy Plinko experience is to understand how the game variables can be modified according to individual players desired settings.

RISK FACTOR

The **Risk factor** (low, medium, high) is applied to modify the multiplier of each bucket at the bottom of the board, increasing the Risk Factor allows players to access larger rewards!

Risk

Low Medium High

PLINKO SIZE

The **Plinko Size** is used to adjust how many rows and buckets are in the peg-board. Players can adjust the Plinko Size between 8 to 16 rows as desired.

Plinko Size 16 Rows

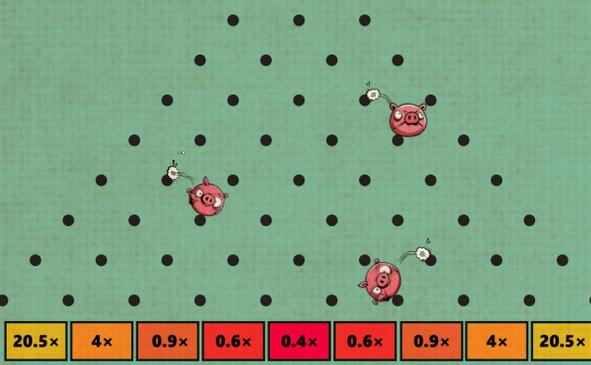
LET'S SEE SOME EXAMPLES!

EXAMPLE 1

e.g. Lets say, you pick **low risk** with **8 rows**.

Risk Low Medium High

Plinko Size 08 Rows



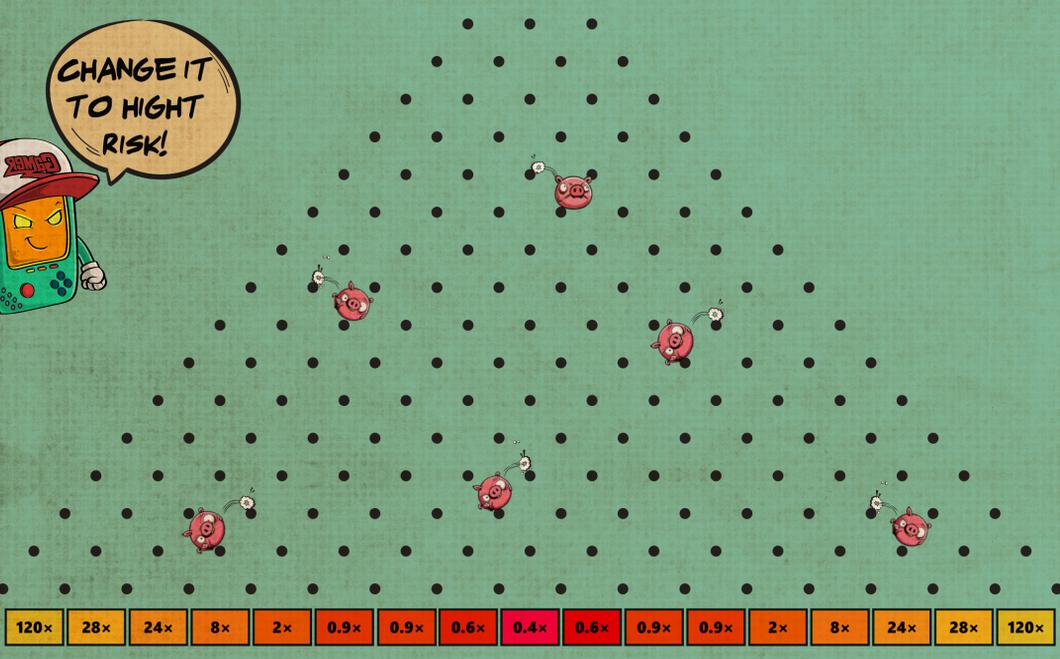
EXAMPLE 2

e.g. Lets say, you pick **high risk** with **16 rows**.

Risk Low Medium High

Plinko Size 16 Rows

CHANGE IT TO HIGH RISK!



WAGER

Players set their **Wager** (size of the bet) and **Multiple Bets** (the number of pucks to be dropped into the board) to determine their **Total Wager** (the total amount bet).

Wager

BUSD 103.502 Max

BNB

AFD

AFP

Multiple Bets 9

Total Wager 1.656,032

USE THIS FOR OPTIMAL BET SIZE!

KELLY CRITERION

Kelly calculator

Players can place maximum wagers as determined by the **Kelly Criterion** (formulas used for determining optimal bet size). The formula uses the game's probabilities and multipliers to calculate the Kelly fraction. The combination of the Bankroll value and the **Kelly fraction** allow calculation of the perfect **Kelly Bet** (the maximum wager a player can place in a game).

SUSTAINABILITY

The sustainability of the Bankroll is ensured by **automatically adjusting the maximum wager**. These Kelly calculations are also critical to ensure Bankrolls can't be drained by any combination of wagers.

STOP GAINS - STOP LOSSES

Players can set **Stop Gains** and **Stop Losses** when placing multiple bets. Piggy Plinko will end when a Stop Gain or Stop Loss has been reached. Players pay only for the games that have been played, up to and including the game in which the stop was triggered.

Set Limits

Stop Gain No Limit

Stop Loss No Limit



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ECOSYSTEM OVERVIEW



ANIMALS NEED TO BE FED

BNB & BUSD from House Earnings are collected into a pool.

AFD & AFP from House Earnings are put into the **Dog Pound** and **Pig Pen** where they generate **BNB & BUSD**.

These distributions are added to the growing **BNB & BUSD** pool.

DISTRIBUTION OF BUSD & BNB

The **BNB** and **BUSD** that are generated from these cashflows are distributed as followed:

BUSD & BNB	
Marketing	15%
Dev Fee	35%
Oracle Fee	10%
Pig Pen Injections	40%



SUPPORTING ANIMAL FARM

People who claim their prize in **AFD** receive the **10% payout increase** for helping to support the health, strength and longevity of Animal Farm by keeping their assets in the ecosystem.



DOG POUND

All **AFD** tokens start with a **90% tax** which can only be reduced by staking the tokens into The Dog Pound.

Users who stake in the **Linear section** have their tax reduced by **0.75% a day** and receive daily **WBNB** distributions.

Users who stake in the **Auto-Compounding pool** have their tax reduced by **1% every day** and receive daily **AFD/WBNB** distributions.

These **AFD/WBNB** tokens are automatically staked in in the farm to generate **AFP distributions** for the user.

BECOME AN OWNER OF THE FARM



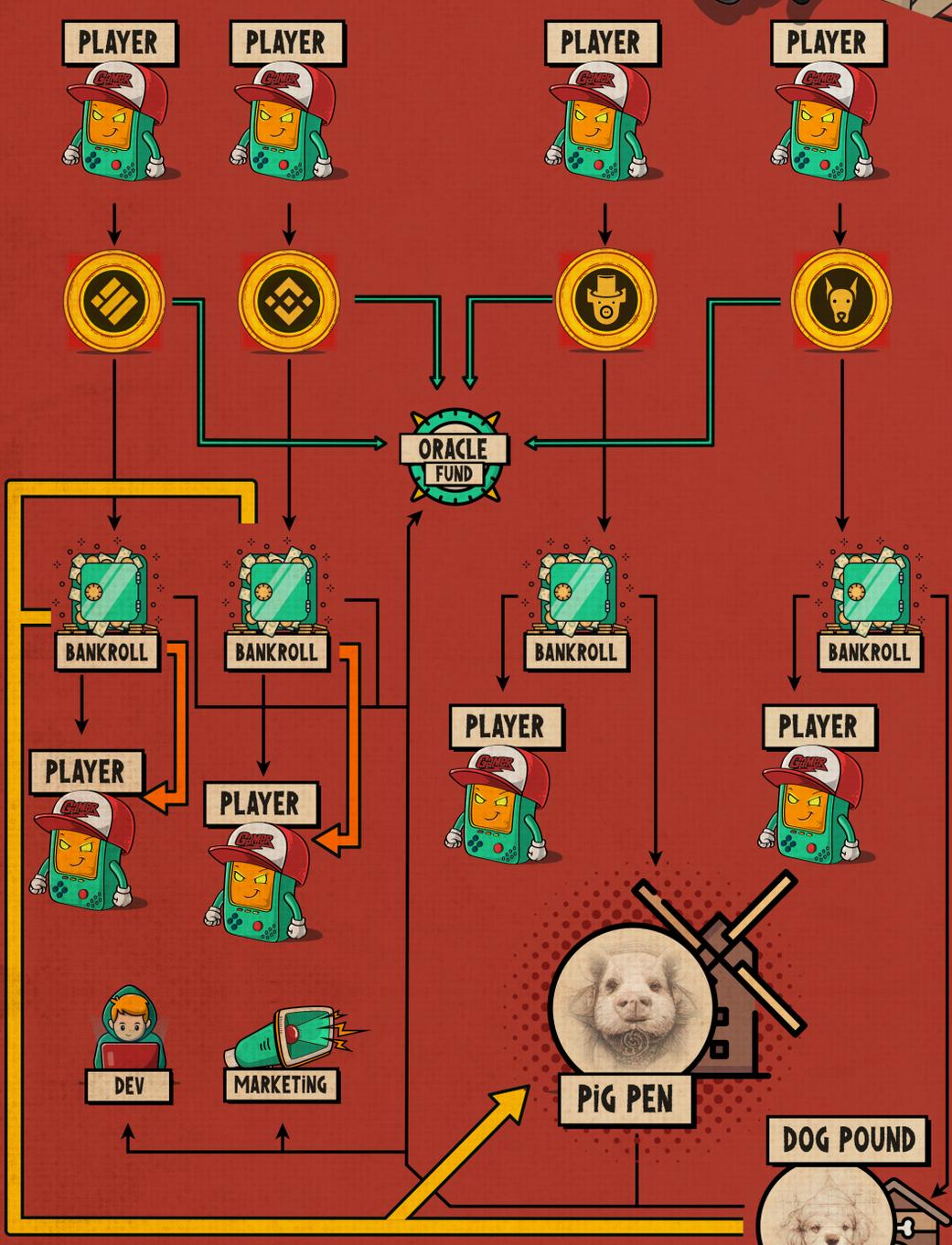
PIG PEN

Players who stake their **AFP** tokens into **The Pig Pen** become part owners of The Animal Farm. They receive daily distributions (**BUSD & AFP**) generated by **Piggy Plinko** house earnings and the Animal Farm itself.

Additionally, these users receive **voting rights** for the platform allowing them to **weigh in on decisions** regarding the direction of the platform.

CHECK OUT THE ECOSYSTEM MAP BELOW.

ECOSYSTEM MAP



- Always
- Swap for BUSD PigPen injection
- Prize paid in AFD with 10% bonus
- Swapped for link, deposited into oracle fund only when fund is low.

Disclaimer: Some information contained in this document is subject to change upon launch of Piggy Plinko



Animal Farm

The First Truly **Decentralized**
Yield Aggregating
Platform

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