# ~~White~~paper
## *Orange*

**GRAVITY**
FINANCE

## INTRODUCTION

The DeFi space has exploded in the past 12 months with a large amount of innovation in such a short time frame. As DeFi enthusiasts, we took a step back and asked, what would be our ideal DeFi Platform. We identified the following items during that process:

- Cost — Fees needed to be lower, allowing anyone to interact frequently, with no need to think about gas-cost implications.
- Token Value — Governance Tokens should have an underlying intrinsic value that grows with the project.
- Token Price — Mechanisms to ensure a token's price matches, or exceeds its intrinsic value over time.
- Platform Earnings — Fees earned by Governance Token Holders should be in a different currency to the Governance Token, otherwise the price of that token can be subject to downward market pressure.
- Smart Contract Risk — To earn from the platform, staking of Governance Tokens should not be required. Ownership alone should entitle this.
- Automation — Reduction (or removal) of manual tasks required to maximise and compound earning potential.

At first glance, Gravity Finance may appear very similar to other DeFi platforms. In fact, the core features are very similar, however we aim to improve on the items mentioned above, in a new and innovative way!!

This article is intended to offer an introduction to the project. Specific details about the platform features will be released as they become available.

# THE FEATURES OUR PLATFORM WILL OFFER

- Swap Exchange
- Staking / Farms
- Vaults & Automated Investment Strategies
- Launch Pad for IDOs ("Native *Polygon Launchpad*")
- Derivatives Trading (Options)
- Lending and Borrowing (Loans that pay themselves off)
- Margin Trading on existing features

# ETHEREUM LAYER 2 & MULTI-CHAIN

Gravity Finance will be launching on Polygon, an Ethereum sidechain scaling solution, commonly referred to as a "Layer2" and was developed to solve many of the existing issues facing Ethereum.

In Polygon's own words;

*"Polygon is an Internet of Blockchains" and "a protocol and framework for building and connecting Ethereum-compatible blockchain networks".*

## Why Polygon ?

Launching on Polygon (PoS Chain) solves many of the challenges that developers and users currently face with Ethereum, including low throughput and high gas fees.

Polygon will allow our platform to thrive, as it's Scalable, Secure and Interoperable, allowing the passing of arbitrary messages between other Ethereum-compatible networks.

Tokens can also be transferred to and from compatible networks.
Our governance token (GFI) will launch on the Polygon network and follows the ERC20 standard.

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**A flourishing sidechain**

By launching on Polygon, we join a fast-growing community of protocols, including Aave, Chainlink and many more, who are already seeing the benefits of launching here.

Gravity will be leveraging these above-mentioned protocols in several of our platform features. More details will be released with each feature announcement as they become available.

**Familiarity**

From a user-perspective, interacting with dApps on Polygon will be extremely familiar to anyone with experience using Ethereum dApps.

**More to come**

Although Gravity will initially launch on Polygon (which is our priority), we are in the planning stages of developing a multi-chain strategy which will allow our platform features to be launched on other blockchains (including Solana).

Our goal is to have GFI's earning potential reach across multiple chains and we look forward to achieving this.

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# GOVERNANCE TOKEN (GFI) UTILITY

As with most DeFi platforms, Governance Token Holders earn fees from the platform's products and are entitled to other benefits. In this respect we are the same, however we have redesigned the process in a big way, adding a true value-accruing mechanism in our fee-distribution model and tokenomics.

Currently, other DeFi platforms require Governance Token Holders to stake tokens before they are eligible to earn a share of the revenue. Our token (GFI) can remain in a personal wallet at all times and your share of the platform value is always available to claim. No.Staking.Required.

This reduces the steps required for Governance Token Holders to start earning from the platform and allows GFI holders to easily compound their earnings without the need for further transactions, which in turn reduces gas-fees.

GFI Holders will also benefit in the following ways;

- Discounts on platform fees (details coming later)
- Guaranteed access to Launchpad IDOs

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# OUR FEE DISTRIBUTION MODEL

Admin Fees are generated from all of the platform's products. One of the first fee generators will be admin fees from our swap exchange, with other products coming soon.

The exchange fees, paid by traders, is 0.3% (on each trade). 0.05% of this is the Admin Fee, with the other 0.25% going to the Liquidity Providers.

All Admin Fees collected from the platform are sent to the Governance Smart Contract, where they are converted to 50% ETH and 50% wBTC. These fees remain in the contract and are available for the GFI Token Holders to claim. The maximum claim size is based on the users percentage of the total supply of GFI Tokens.

The 50% stored as ETH can be claimed at any time.

The 50% stored as wBTC is somewhat different... it can also be claimed at any time, but by claiming wBTC the corresponding GFI Tokens are burned (proportional to the amount claimed).
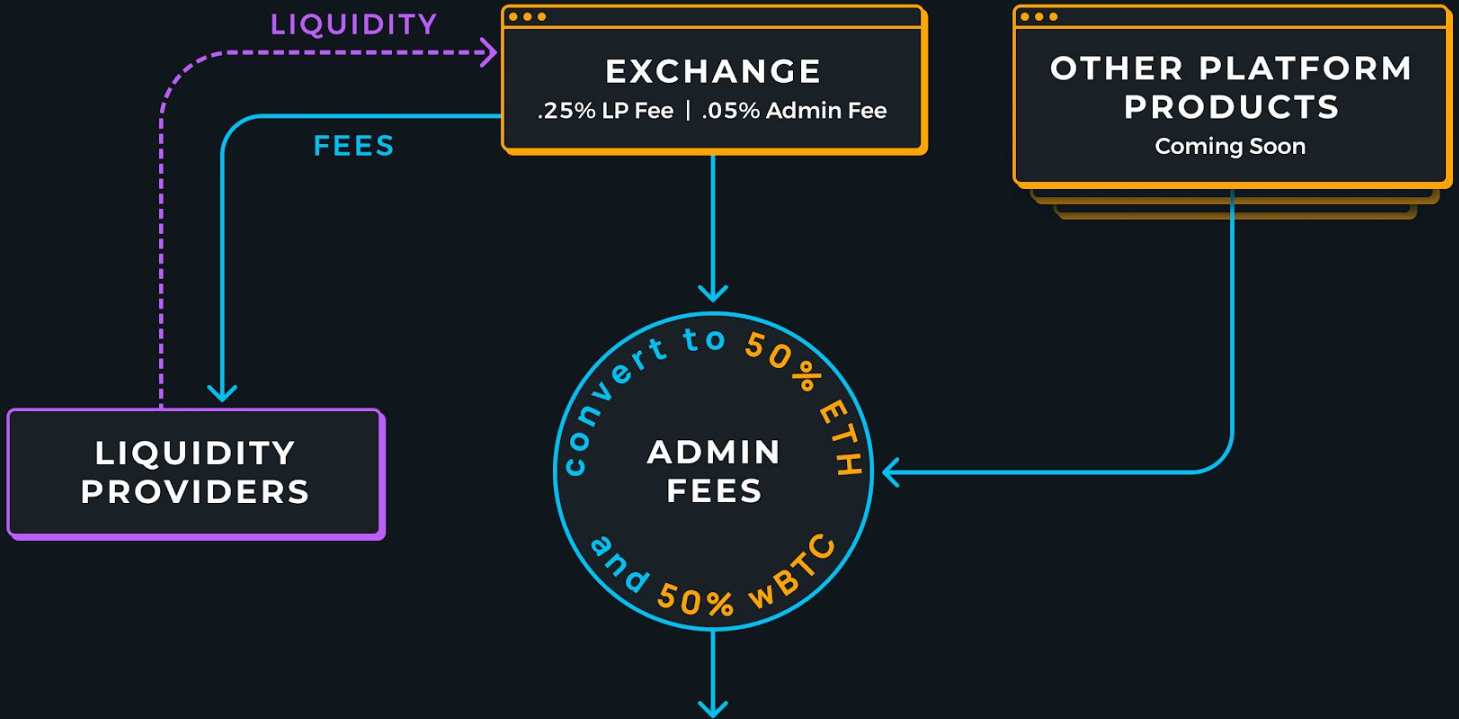
This structure is where our project's tagline originates "Backed by bitcoin". This wBTC is what backs our Governance Token, giving it true intrinsic value. This value is programmed to increase over time as more fees are collected from the platform (and the price of BTC hopefully continues to rise).

Despite the intrinsic value, we anticipate the token's price will trade at a premium, due to speculation and it's future value proposition (like other DeFi tokens). As GFI are burned, remaining holders earn a larger percentage of the platform revenue.
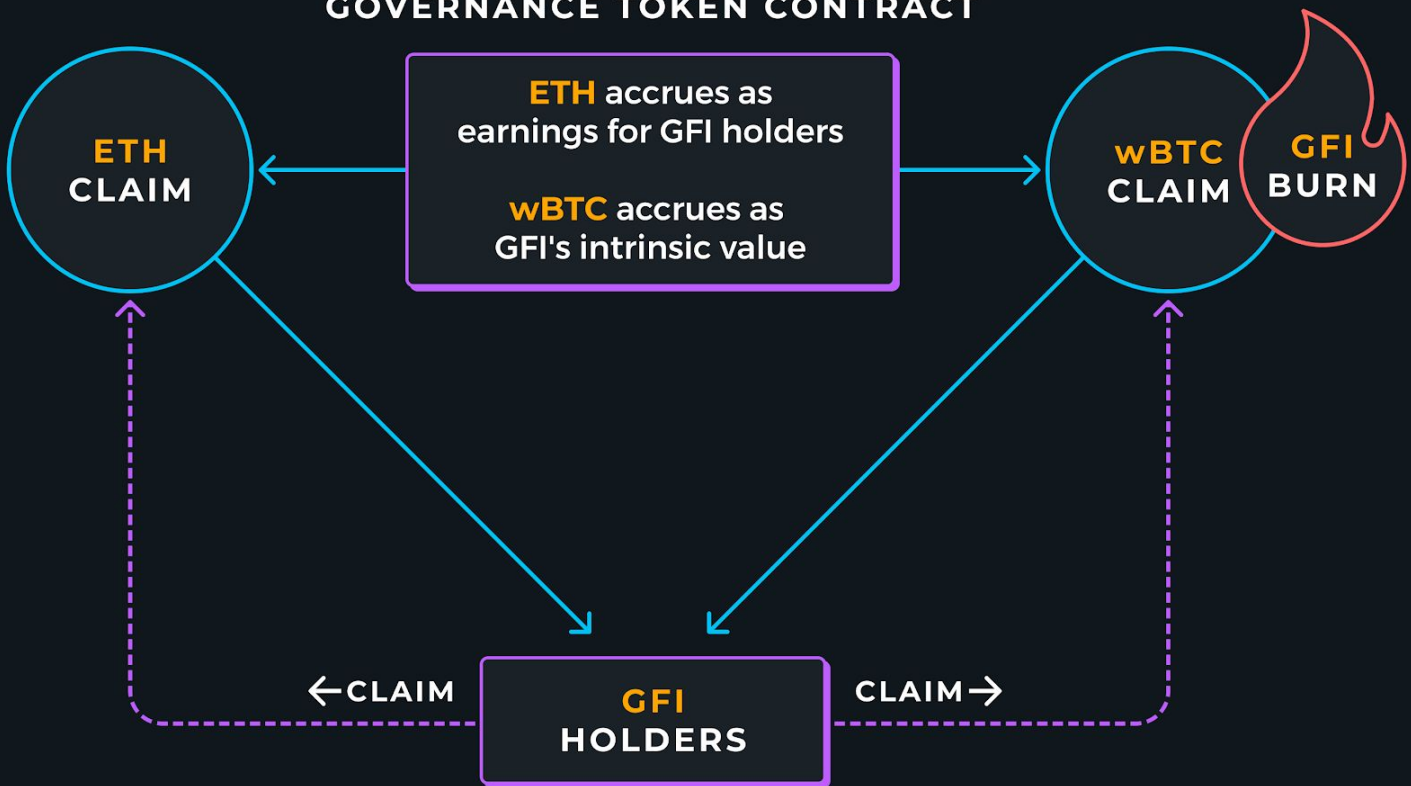
Should the price of GFI ever trade below its intrinsic value (very unlikely) this would create an arbitrage opportunity with bitcoin.

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# GRAVITY FINANCE

## FEE DISTRIBUTION MODEL

LIQUIDITY

**EXCHANGE**
.25% LP Fee | .05% Admin Fee

**OTHER PLATFORM PRODUCTS**
Coming Soon

FEES

**LIQUIDITY PROVIDERS**

convert to 50% ETH
**ADMIN FEES**
and 50% wBTC

## GOVERNANCE TOKEN CONTRACT

**ETH CLAIM**

**ETH** accrues as earnings for GFI holders

**wBTC** accrues as GFI's intrinsic value

**wBTC CLAIM**

**GFI BURN**

←CLAIM

**GFI HOLDERS**

CLAIM→

gravityfinance.io
**Backed by bitcoin**

## GOVERNANCE VOTING & DAO

A Decentralized autonomous organization (DAO) will be formed soon after our launch which will govern how our platform evolves into the future.

One of the first items on the agenda will be a vote on how the platfomer's wBTC (GFI's backing) will be managed.

Initially the wBTC will sit in the governance contract ready to be claimed. One possibility could be to actually invest some (or all) of the wBTC in an interest earning DeFi protocol (or farm) so it is put to work, compounding it's value.

If wBTC were to be invested and a GFI holder wanted to redeem their token's intrinsic value, they would receive the remaining wBTC, plus any vault/protocol tokens owned by the governance contract (proportional to their GFI holdings).

This automated investment strategy would further compound the value of GFI over time. All of this is handled for token holders with no manual processes or staking required.
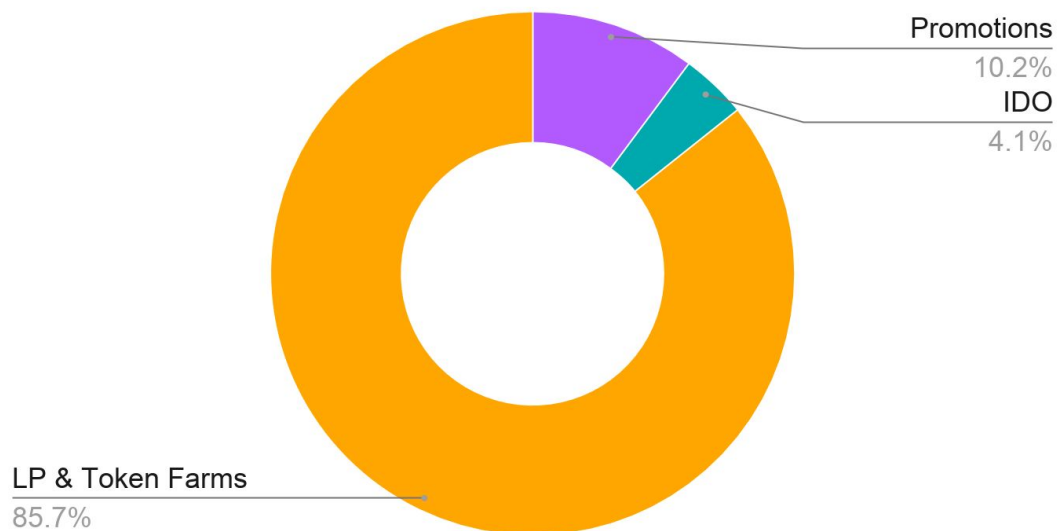
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# GFI Tokenomics

## Max Supply - 1,200,000,000 tokens

Founders / Seed
8.3%

Treasury
8.3%
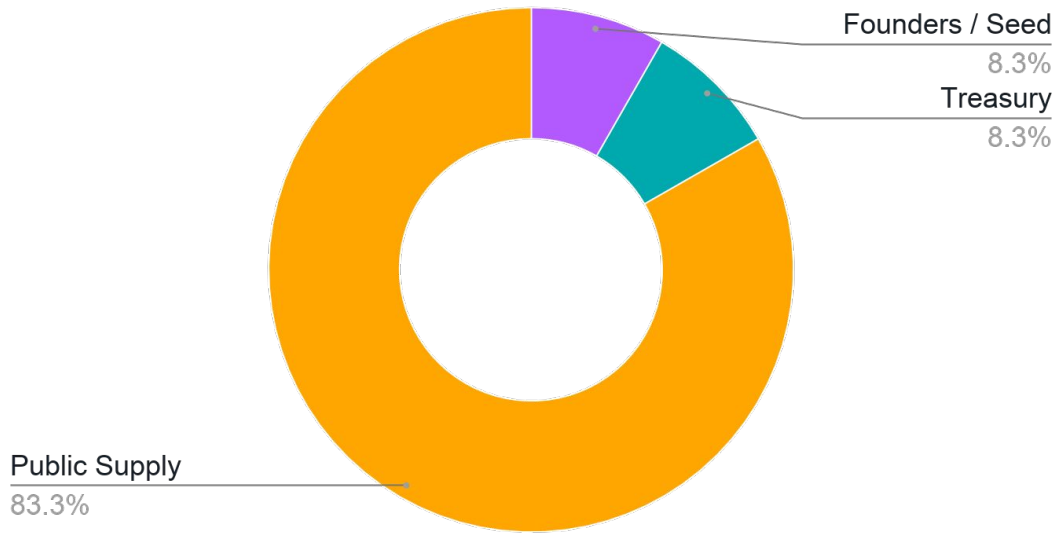
Public Supply
83.3%

## Token Vesting Periods

| Founders / Seed | 12 months | Can't transfer, stake or claim wBTC |
|---|---|---|
| Treasury | 12 months | Can't transfer, stake or claim wBTC |

## Public Supply Allocation

Promotions
10.2%

IDO
4.1%

LP & Token Farms
85.7%

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# GFI SUPPLY and ALLOCATION OF FUNDS

Total GFI Supply: 1,200,000,000 distributed as follows:

1.  100,000,000 : Seed Investors and Founders.
    Price: 0.0000125 ETH per GFI

2.  100,000,000 : Treasury (Development Fund).

    *Note: Seed investors, founders and Treasury owned tokens are locked for 12 months. During this 12 month period, locked GFI can not be transferred, sold, staked in farms or claim wBTC (withdrawal and burn). They can withdraw the ETH component of the platform earnings.*

3.  100,000,000 : Promotions, Community Challenges, Marketing and Incentives. These will be distributed at the discretion of the team

    *Note: Some tokens distributed from this allocation may be vested for a 12 month period and will not be able to be transferred, sold, staked in farms of claim wBTC (withdraw and burn). Vested coins can still claim the ETH component of the platform earnings.*

4.  40,000,000 : IDO
    Price: 0.000025 ETH per GFI

    *Note: 100% of funds go to the Treasury to pay for platform development. Any unsold tokens will be distributed at the discretion of the team and most likely used for platform promotions.*

1.  860,000,000 : Staking of GFI, LP tokens and a select few tokens from other DeFi projects to earn GFI.
    The GFI Farming Pools will remain open for 12 months.
    *...more details released later.*

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# OUR ROADMAP

During the first 3 months after our project introduction we will be running various competitions and community challenges, allowing GFI to be obtained for free (airdrops etc). Details will be announced in our discord first so be sure to join.

## Our IDO

A maximum of 40,000,000 GFI Tokens will be offered at a price of .000025 ETH each. We are targeting a minimum raise of 150 ETH and a maximum raise of 1,000 ETH.

This token sale will open during May 2021. The exact date and IDO model will be announced in early May.

Soon after the IDO has completed we will be offering several incentives for GFI holders. This may include further airdrops and staking pools. The exact details will also be announced prior to the IDO.

A liquidity pool will also be added on a popular Polygon DEX, allowing GFI to be traded for the first time.

All funds generated are retained in the Treasury (development fund). Funds will be used entirely to develop the project further, with a rapid development schedule.

## After Our IDO

On conclusion of our IDO, we will be launching staking pools where GFI and LP tokens can be staked to earn more GFI. Soon after this we will be launching the following 3 features.

- Vaults & Automated Investment Strategies.
- Launch Pad for IDOs
- Swap Exchange & Gravity LP staking (plus a selection of tokens from other projects).

After the above milestones are reached, we will be launching the following features:

- Derivatives Trading (Options).
- Lending and Borrowing (Loans that pay themselves off).
- Margin Trading on existing platform features.

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## VALUING GFI AND COMPARING TO OTHER TOKENS

When comparing GFI to other tokens, it's important to remember that GFI has an underlying intrinsic value in the form of wBTC. This value must be deducted from its market cap. before comparing it to other tokens (which have none).

The actual market cap. of GFI can't be determined until it's publicly traded (the market sets its price) however this intrinsic value should always be considered when comparing to other tokens.

When the price is determined by the market it will likely trade much higher than it's backing value due to speculation on future value generated by increasing user adoption and earning potential.

## SMART CONTRACT AUDITING

Following completion of the IDO and before the launch of the swap exchange we will be seeking a Smart Contract auditing company to audit all of the smart contracts for the project.

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# OUR TEAM

**GravityFi_T -** Founder

Web Developer and Project Lead for over 17 years. Active investor and trader in both traditional markets (20 years) and crypto (4 years) including development of automated trading systems. Self confessed DeFi addict!

**GravityFi_D -** Founder

A project manager with more 20 years experience, successfully leading small teams in traditional bricks and mortar businesses.

GFi_D took an interest in the crypto-space in early 2013. By the end of 2014 he was fully immersed as a trader in the space and has not looked back since.

**Sherlock** - Front-End Engineer

Web design for over 15 years, developing all sorts of contents for businesses and individuals according to their needs, going from logos, banners and landing pages to complete self-manageable and responsive systems. Currently also working for PRDX and SEPA. Involved with cryptocurrencies since 2014.

**Hilobrain -** *Blockchain Developer*

Self-taught back end developer with a background in physics and has a big interest in blockchain technology.

**Crispymangoes** - *Blockchain Developer*

Mechanical engineer turned solidity developer. Crispy has 3 years of experience developing professional Python applications for both front-end and back-end users.

**Stroh** - Lead Graphic Design

Graphic designer with 12 years experience in all things brand related and a new interest in all things DeFi. Stroh's skills include product design, animation and video editing, creating and maintaining design systems, and UX Design.

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## Links

Website - https://gravityfinance.io

Medium - https://gravityfinance.medium.com

Twitter (@Gravity_Finance) - https://twitter.com/Gravity_Finance

Discord - https://discord.gg/fYAf4V3qXs

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Some of the information above is subject to change. Details will be finalized before commencement of the presale.

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