

# Fartpad: A Multi-Quote Launchpad for Sui Ecosystems

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## Abstract

Fartpad is a token launchpad built for Sui. It lets new tokens launch through a bonding curve, then move into live liquidity when the bonding target is reached.

The key difference is simple: Fartpad is not limited to one quote token.

A normal launchpad usually makes every launch use the same base currency. Fartpad can support many quote tokens, such as Fartcoin, Strategy, or future ecosystem tokens. This means each ecosystem can have its own launch market, its own demand loop, and its own path from early trading to live liquidity.

Fartpad is designed to be easy for traders, useful for quote-token communities, and clean enough for teams and investors to understand.

## 1. Conceptual Overview

A token launch needs three things:

1. A new token.
2. A fair way for people to buy it early.
3. A way to move it into a real trading pool after launch.

Fartpad handles that flow.

A user buys a new token during the bonding stage. The price changes as more people buy or sell. When enough quote token has been raised, the token migrates into a Turbos liquidity pool on Sui.

After that, trading happens like a normal market.

## 2. What Makes Fartpad Different

Fartpad can launch tokens against different quote tokens.

The quote token is the token used to buy into the launch. For example:

- A Strategy ecosystem launch uses Strategy as the quote token.
- A Fartcoin ecosystem launch uses Fartcoin as the quote token.
- A future ecosystem can use its own quote token.

This matters because every launch can create direct utility for its own ecosystem.

Instead of forcing all attention through one token, Fartpad can route attention into many communities.

### 3. Why Quote Tokens Matter

Most launchpads create demand for the launchpad token or for one chain coin.

Fartpad can create demand for the ecosystem token.

If a community wants to build around Strategy, launches can use Strategy. If another community wants to build around Fartcoin, launches can use Fartcoin.

That helps in three ways:

1. Traders have a clear reason to hold the quote token.
2. New projects launch inside the community they are trying to grow.
3. The quote token can become the main rail for that ecosystem.

The result is a launchpad that can serve many ecosystems without needing a separate app for each one.

### 4. The User Flow

The simple flow is:

1. A token is created with explorer metadata.
2. The launch pool is opened.
3. Traders buy and sell on the bonding curve.
4. The bonding target is reached.
5. The pool migrates to Turbos liquidity.
6. The LP position can be locked and fees can be split.

For traders, this should feel simple. They see the token, the ecosystem, the market cap, and the trading rails.

For teams, the important part is that the launch can be matched to the quote token that best fits their community.

### 5. Main Rail And Buy Quote Rail

Fartpad separates trading into two clear ideas.

The main rail is the native launch market. If the token is quoted in Strategy, the main rail trades Strategy against the launched token. If the token is quoted in Fartcoin, the main rail trades Fartcoin against the launched token.

The buy quote rail helps users get the quote token with SUI. This keeps the launch trading path clean while still making it easy for SUI users to enter the ecosystem.

This design avoids forcing every launch through SUI while still keeping SUI users close to the flow.

### 6. Architecture Overview

Fartpad is built around a few small parts.

```
Quote Registry
  quote type -> config object
```

```
Launchpad Config
```

```
bonding target  
virtual reserves  
remaining reserves  
platform fee
```

```
Launchpad Pool  
token + quote token  
bonding curve trading
```

```
Migration Worker  
detects completed pools  
migrates liquidity to Turbos
```

```
LP Locker  
holds the Turbos position NFT  
splits collected fees
```

The registry lets the frontend and worker find which config belongs to which quote token. That is what makes the system multi-quote.

## 7. Bonding Curve

During bonding, the launchpad uses virtual reserves.

Virtual reserves are not just a wallet balance. They are values used by the curve to set the starting price and price movement.

A config can define:

- Initial virtual quote reserves.
- Initial virtual token reserves.
- Remaining token reserves.
- Bonding target.
- Platform fee.

Changing these values changes how the launch feels. A higher bonding target can create deeper migration liquidity. A lower target is useful for testing, but it can create weak post-migration liquidity.

For production launches, the bonding target should be large enough that the migrated pool has real depth.

## 8. Multi-Quote Design

The launchpad logic is generic over the quote token.

That means the same launchpad package can support different ecosystems by using different config objects.

A simplified model is:

```
Configuration<Quote>  
Pool<Base, Quote>  
Registry entry: quote type -> config id
```

The launchpad does not need to be republished for every quote token. A new quote ecosystem can be added by creating a config for that quote token and registering it.

This keeps the system flexible while keeping the core launchpad code stable.

## 9. Migration To Live Liquidity

When a pool reaches its bonding target, trading on the bonding curve is no longer the final destination. The token should move into live liquidity.

Fartpad uses a migration flow that can be run by a worker. The intended migration transaction is atomic. It either completes or fails as one transaction.

The migration flow is:

1. Withdraw migration assets from the launchpad pool.
2. Create the Turbos CLMM pool and mint the LP position.
3. Mark the launchpad pool as migrated.
4. Send the LP position into a locker if enabled.

This gives the market a clear handoff from bonding to normal DEX trading.

## 10. LP Locking And Fee Splits

When liquidity is migrated, the Turbos pool creates a position NFT. That NFT controls the liquidity position and the fees earned by that position.

Fartpad can place that NFT into a locker package.

The locker can collect trading fees and split them by basis points. A simple example is:

- 50 percent to Fartpad.
- 50 percent to the launch team.

This lets Fartpad support teams while also creating a revenue path for the platform.

The LP stays locked unless the locker package exposes a withdrawal path. The current design is intended to keep liquidity controlled and fee collection separate.

## 11. Why This Is Useful For Ecosystems

A quote-token ecosystem needs real reasons for people to use its token.

Fartpad gives it a direct use case:

- New launches can be priced in that quote token.
- Traders need the quote token to use the main rail.
- More launches can create more volume for the quote ecosystem.
- The community gets a clear home for early-stage tokens.

This turns a quote token from just a trade into infrastructure for its own market.

## 12. Beta Status And Controls

Fartpad is in public beta preparation.

During beta, launches are curated. This keeps quality higher while the launch, migration, charting, and liquidity flows are tested in the open.

Some parts may use admin controls during beta, including config updates, migrations, and package upgrades. Over time, these controls can move toward stricter governance, multisig ownership, or immutable packages where appropriate.

The goal is to test carefully before opening public launches at scale.

### **13. Summary**

Fartpad is a Sui launchpad for multi-quote ecosystems.

Its core idea is simple: let each ecosystem launch tokens using its own quote token.

That makes Fartpad different from a one-rail launchpad. It can support Strategy, Fartcoin, and future quote-token communities from the same core system.

The long-term vision is a network of launch markets where each ecosystem can grow its own tokens, its own liquidity, and its own demand loop.

### **Disclaimer**

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