



# Horizons Unbound

White Paper v0.0.1  
May 27, 2022

# Horizons Unbound Overview

Planets and Systems

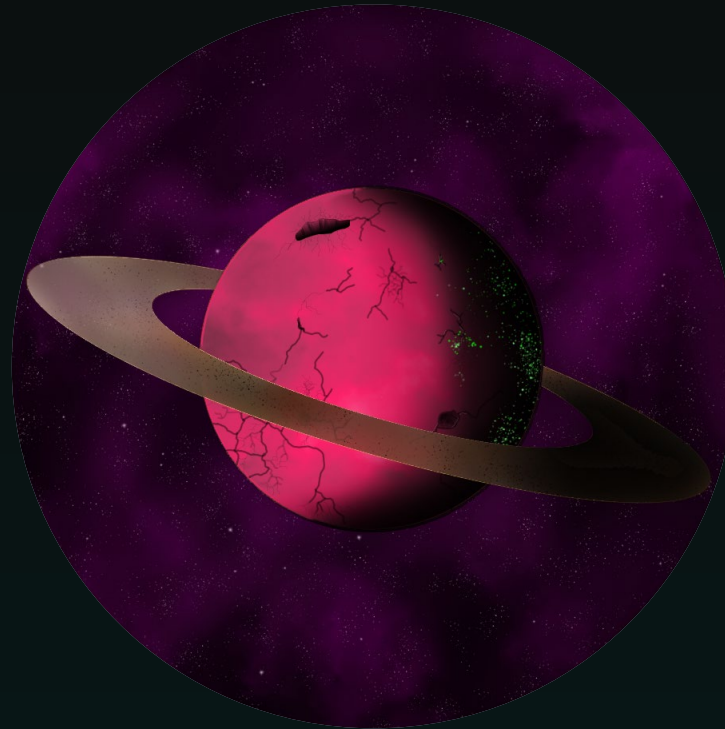
Unboundium

Landing/Buildings

Upgrades

Expeditions

Partners

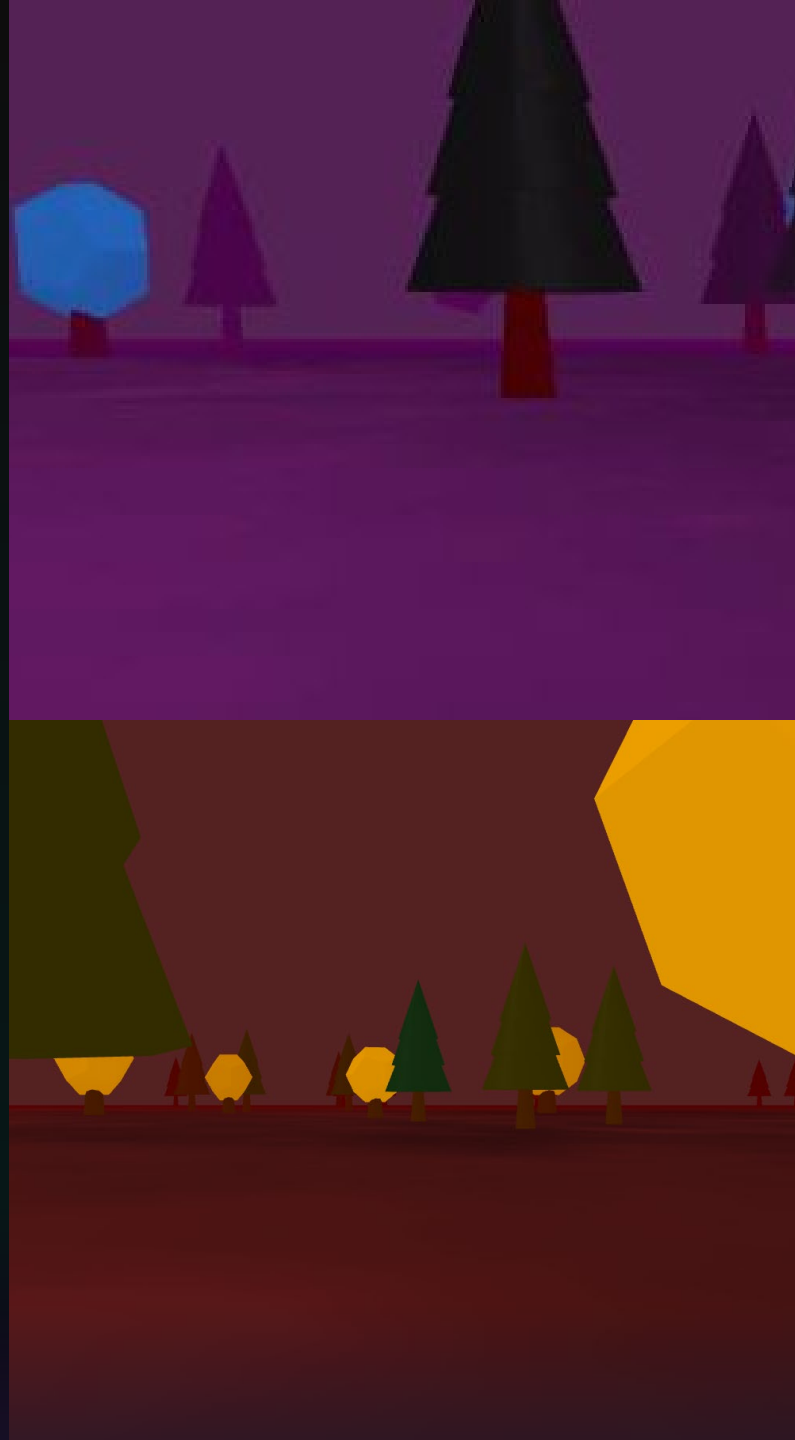


# Introduction

Horizons Unbound (HU) is an NFT game on the Stargaze LI platform. HU uses web-based 3D graphics to create a rich interactive experience, all based on the NFTs that interact with the system. The NFTs you own dictate the direction of the universe you are in, from planet details to combat tactics.

The game can be summarized as follows:

- Collect Unboundium
- Customize Your Planet
- Build and Defend Bases
- Explore Uncharted Lands
- Conquer the Universe





# Disclaimer

There are a few items to note regarding the Horizons Unbound project.

The details in this whitepaper and within the official roadmap may not reflect the final deliverable. As Stargaze, CosmWasm, and other technical projects change, the course of HU may change too. There are no guarantees that any feature described in this document will become realized. The document provides a plan and unlike our NFTs, is very fungible.

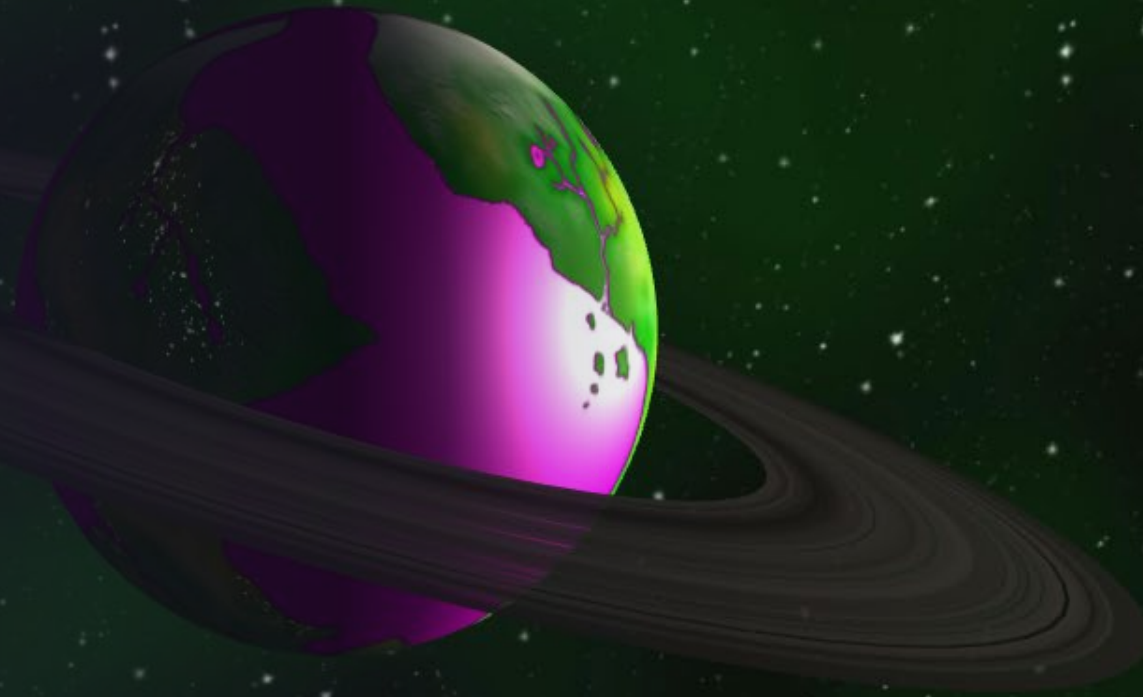
Horizons Unbound's direction is in a large part dictated by the community. While we are not a DAO, we do take the ideas of our backers into major consideration.

HU is not to be treated as an investment of any kind. HU can't and won't guarantee any profits. We ask that you treat Horizons Unbound purely as a game. We make games because we love playing games and hope the community sees the value in the entertainment alone. While we will drop gifts to our backers, the gifts may never amount to the money you have put into the project.



# Planets & Systems

What are planets and systems and how do they interact with the game?



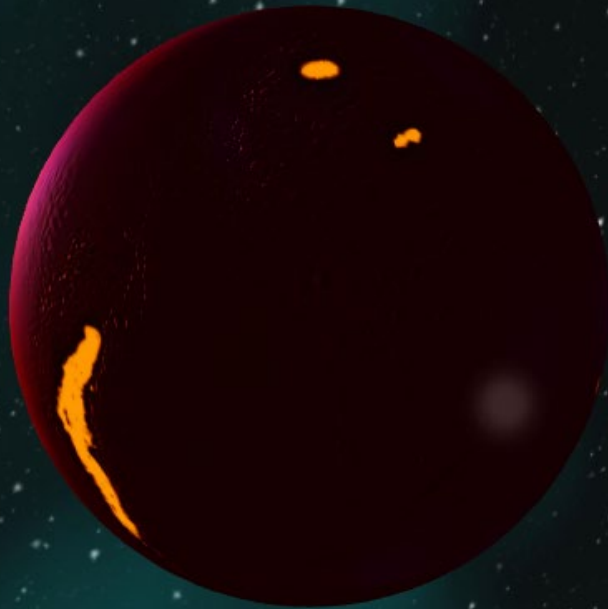
# Planets

Planets sit at the core of Horizons Unbound. Planets are land keys that allow the player to passively generate Unboundium while also allowing the owners to build bases.

Each planet has a corresponding interactive 3D version accessible on the official HU website.

This interactive version provides the basis for the landing and other functionality.

Planet owners are eligible for periodic raffles and airdrops.



# Systems

Systems are very large galactic entities that contain many planets. Each planet is assigned to a system.

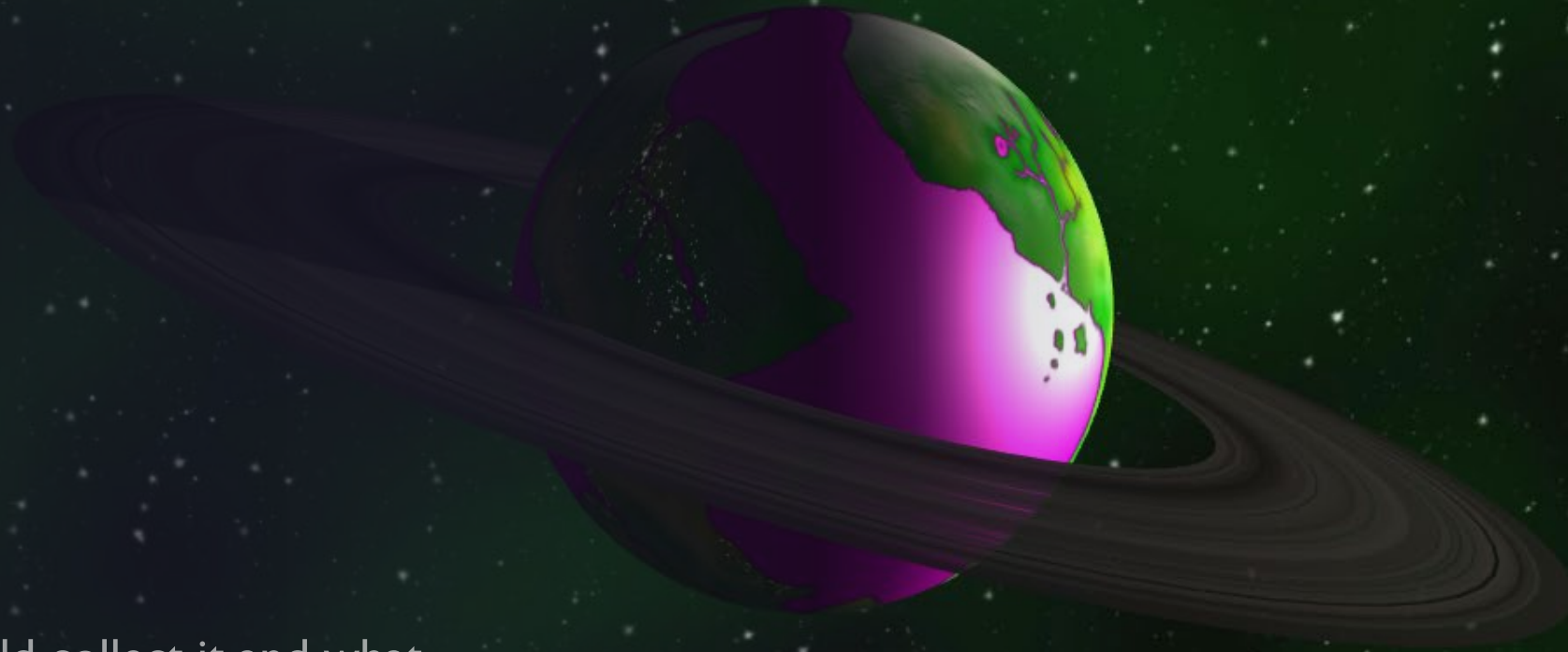
Systems generate a large amount of Unboundium passively. They also benefit from unique airdrops such as upgrades and buildings along with the same airdrops and raffles as planet owners.

Systems will be very rare. No more than 100 systems will ever be minted.





# Unboundium



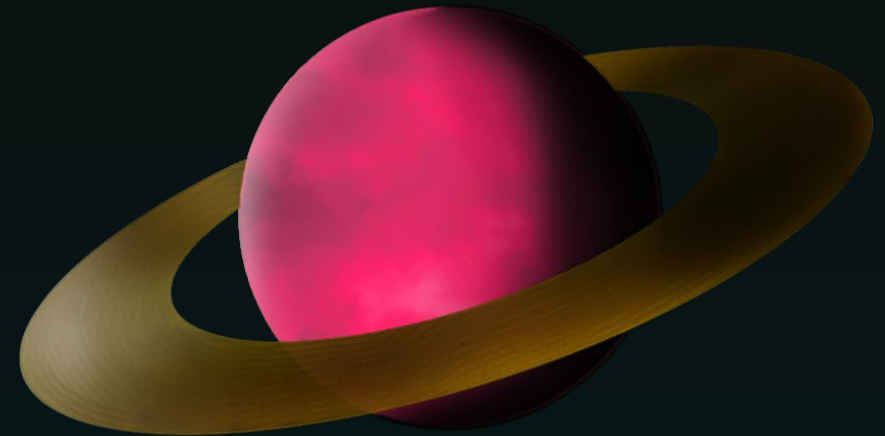
Why you should collect it and what  
you can do with it



# The Story

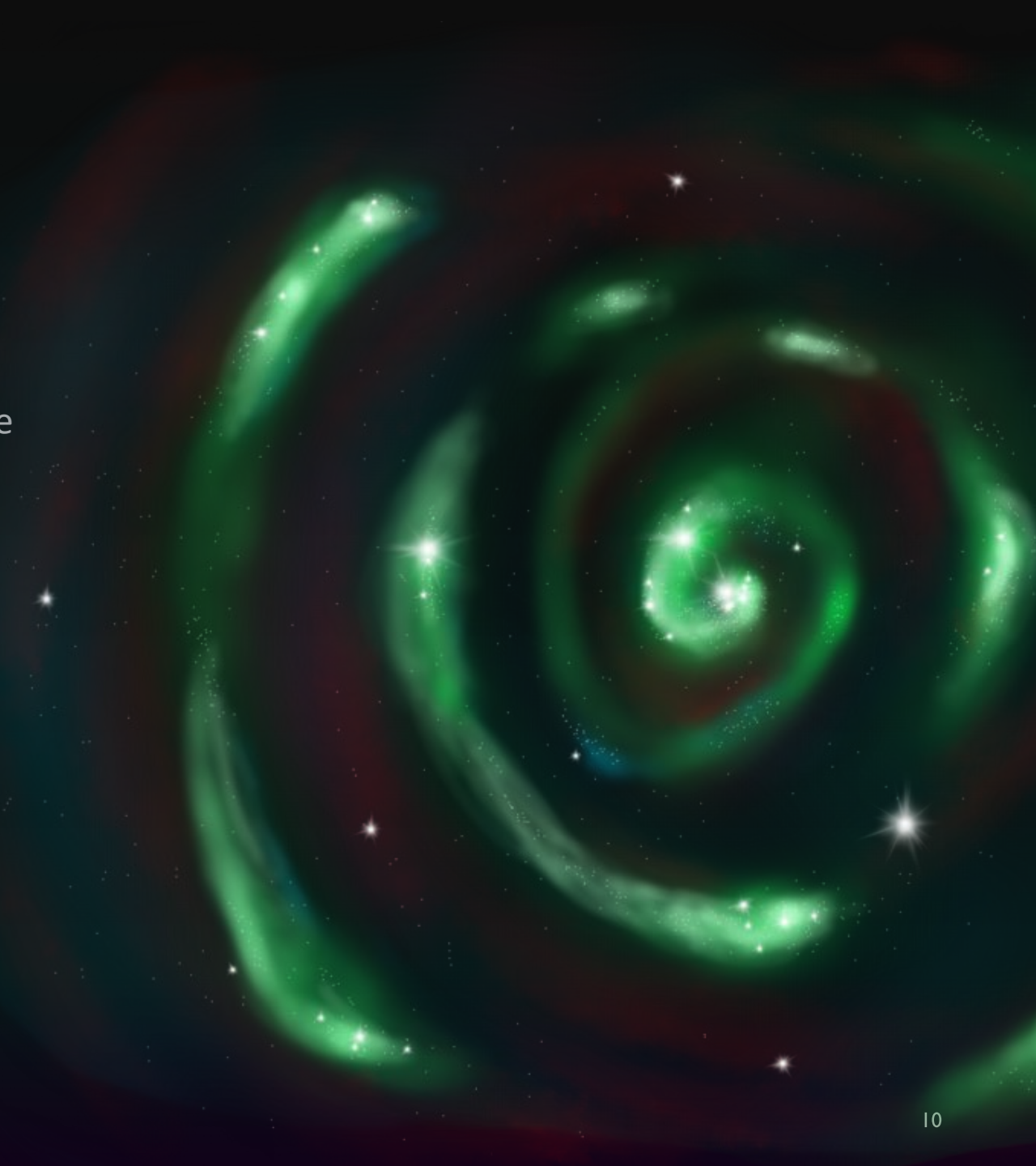
In the year 2187 Earth discovers a new element named "Unboundium". With extreme reactivity but no radiation, Unboundium propels science and engineering to new unimaginable heights. Within ten years, humanity is able to quickly breach the edge of the solar system. Within 20 years humanity is already settling outside other solar systems. It is an exciting time as space has become the new frontier.

While progress rose exponentially, it was quickly realized that the ability to produce Unboundium was fading. The rare element couldn't be synthesized much longer and required humanity's bravest explorers in the cosmos to search the galaxy in order to find more.



# The Story - Continued

But exploration doesn't come without its perils. Shortly after the colonization of distant planets occurred, a previously unknown species began wreaking havoc on the settlements. This aggressive organism was soon discovered to inhabit most of the newly charted systems but had been dormant for years.



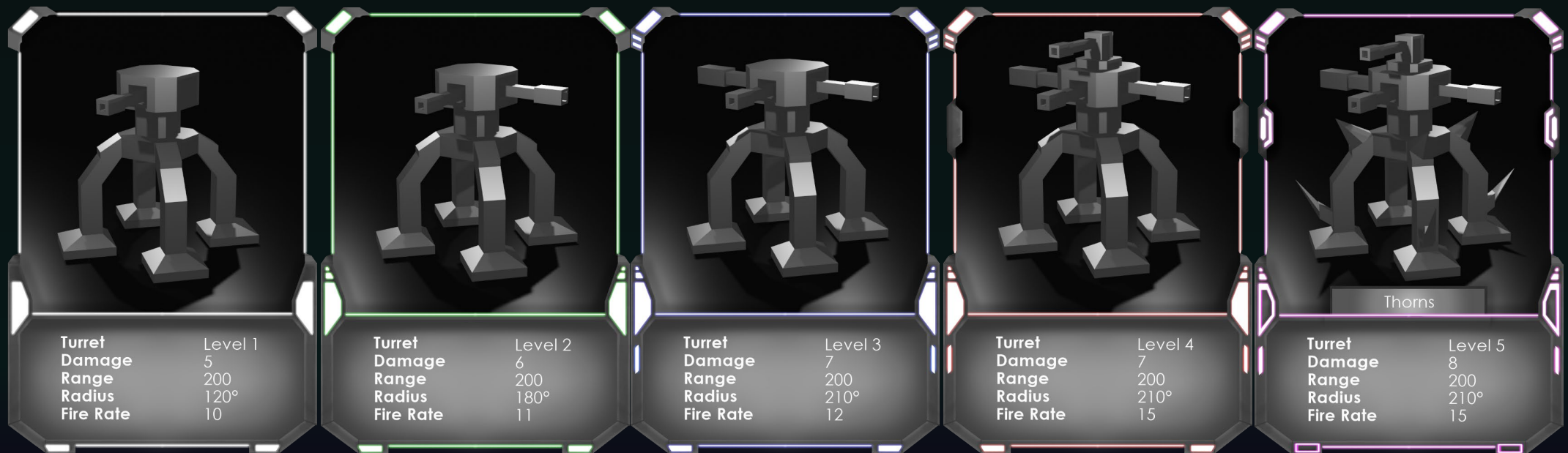
# Unboundium Uses

Purchase Unique NFTs in the HU store

- Buildings
- Upgrades
- Missions
- Unboundium Generators
- Raffle Tickets
- And much more!

Store purchases will have options for direct and random mints. Some NFTs will be for sale with rarities displayed while others will be for sale, but the rarity will be random.

The image below would be an example of a direct mint. You could choose which tower you would like. Planets are an example of a random mint.





# Supply and Demand

## Passive Supply

- Each planet will generate Unboundium. With a total of 5000 planets and an average of 1.25 Unboundium a day each, we see a supply of approximately 8,750 generated from Planets
- Each system will generate 30 Unboundium a day. With a total supply of 100 systems, we will see a maximum supply of 3000 per day.
- There are many secret expedition rewards that generate Unboundium. This will be maxed out at approximately 8,000 per day.
- Partner NFTs will generate Unboundium. A maximum amount of 1000 Unboundium per project will be able to be generated.

An estimated total supply of passive Unboundium a day: 22,750

## Active Supply

- Completing waves during the planet landing phase
  - Each phase generates a different amount
  - Each phase can be completed multiple times
  - Wave 1 – 0.2 Unboundium – Wave 10 – 2 Unboundium - etc
  - Until this portion of the game is completed, we can only guess that around 10000 will be generated per day.

Approximately 35,000 Unboundium will be generated a day at max output. 12,775,000 total per year

*These numbers are subject to change.*

# Supply and Demand

With an approximate supply of 35,000 Unboundium per day, we must create a demand greater or equal to that amount.

## The Horizons Unbound store examples

### Turret Tower (direct mint)

- Level 1 – 1,000 Unboundium
- Level 2 – 3,000 Unboundium
- Level 3 – 8,000 Unboundium
- Level 4 – 20,000 Unboundium
- Level 5 – 50,000 Unboundium

### Turret Tower Upgrade Pack (random mint)

- Mint cost – 1000 Unboundium

## Starting Store Options

- Towers
- Upgrades
- Weapons
- Ships
- Cosmetic
- Planets
- Partner NFTs

## Expedition Costs

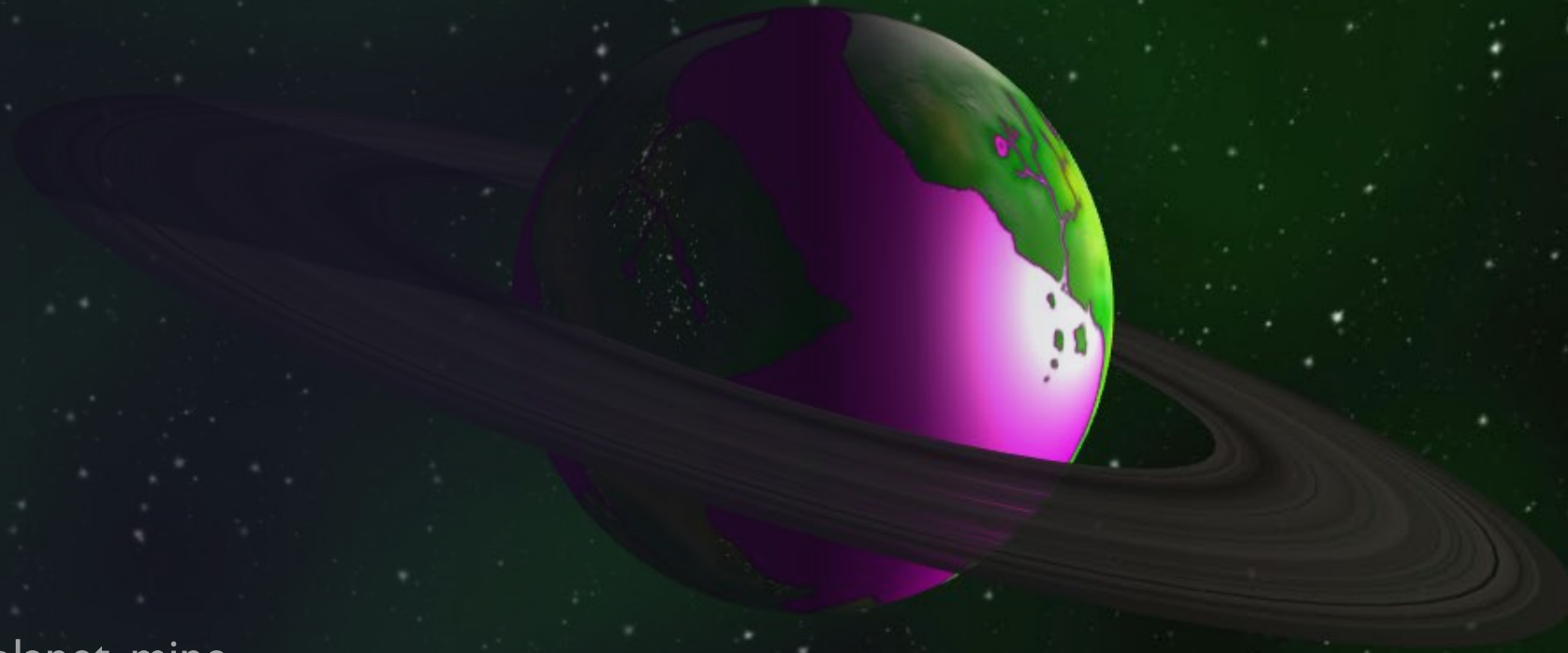
- 15 Unboundium per expedition
- 100 systems with 8,000 locations
- 800,000 locations total
- 12,000,000 Unboundium needed to complete expedition phase
- 342 days of maximum supply to complete.

## Misc Events - Raffles

10 Unboundium per ticket

The data represented here are examples on how to handle demand. These numbers will likely change with community feedback as well as supply availability.

# Landing & Building



Land on your planet, mine  
Unboundium, and defend your  
territory.





# Landing

Each planet owner will have the ability to land on their own planets. The planet's surface will match the attributes of the targeted NFT.

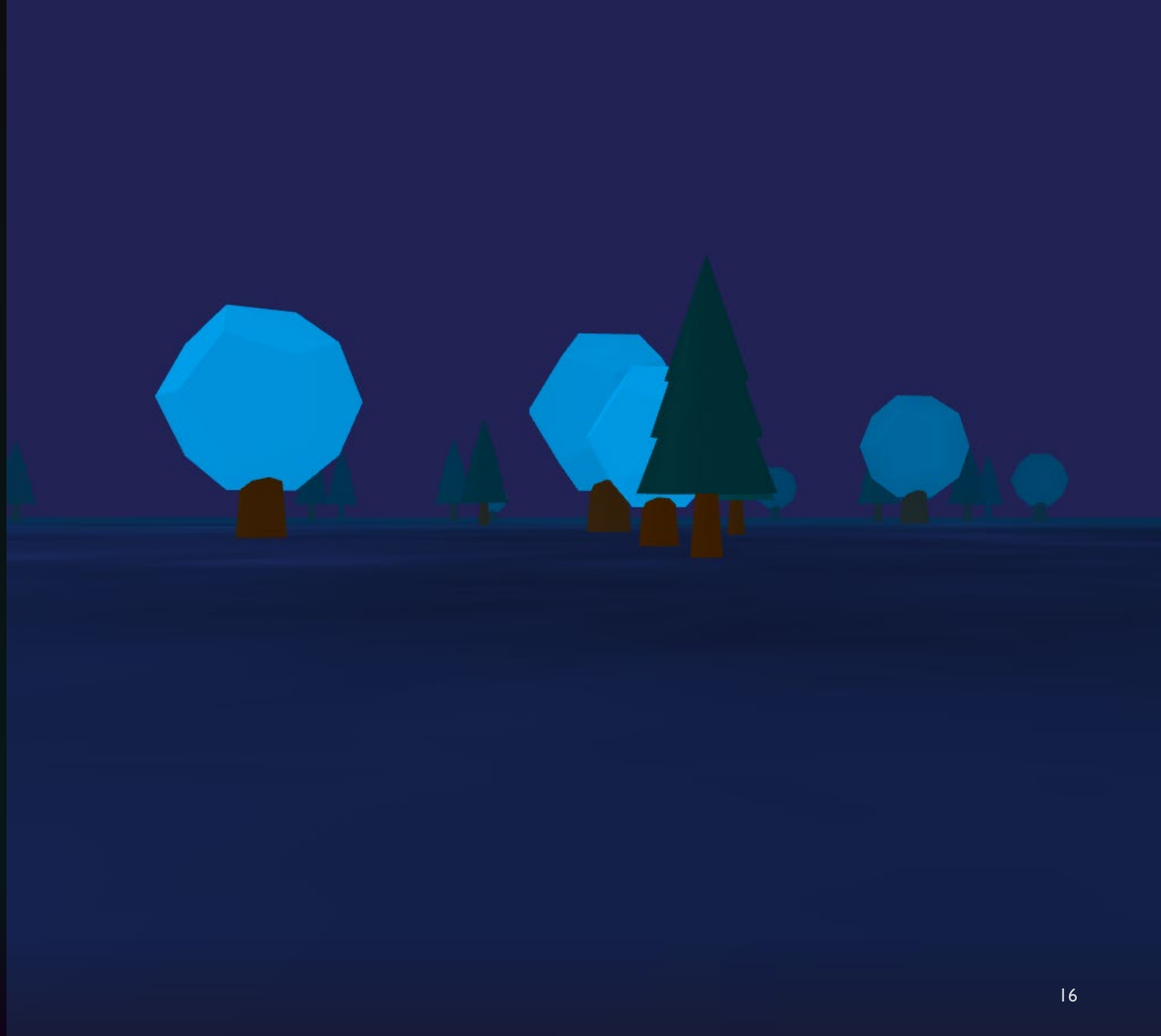
Each planet will offer unique attributes to the landing feature. While design and objects will differ, each planet attribute may add additional benefits such as movement speed and fire resist.

# Landing

The landing part of the game is optional. If you own a planet, you can still passively generate Unboundium without having to mine your planet.

Other players that land on your planet and mine will be taxed at a rate that you choose. You will get that portion of their Unboundium income in your collection pool.

This allows those that don't want to play the game to still generate additional Unboundium by managing their planet.

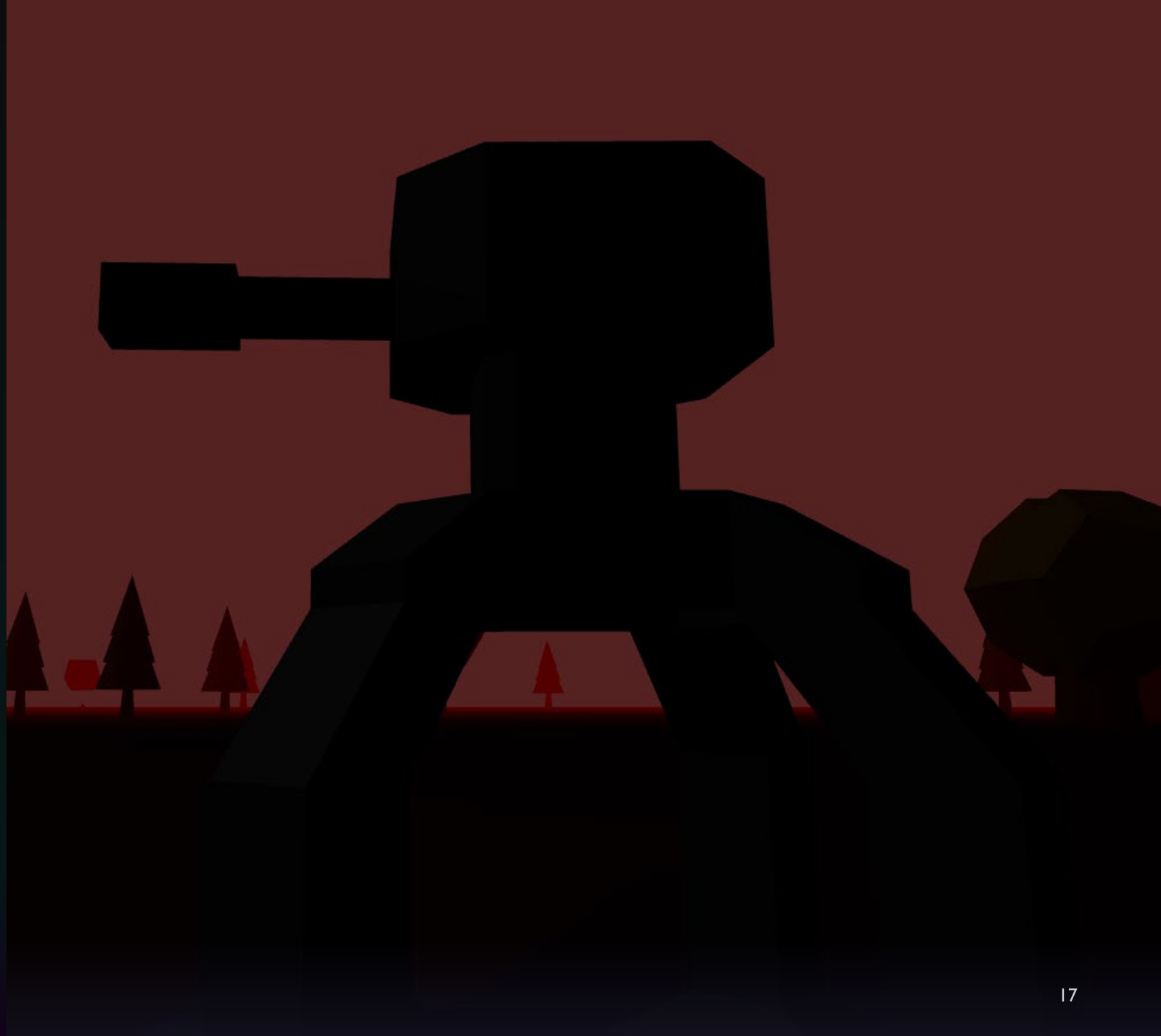


# Building

Each planet's surface can be built upon. The main objective of landing is to begin mining Unboundium. The process of mining is very dangerous as it agitates the native population. When mining begins, your operations will be attacked.

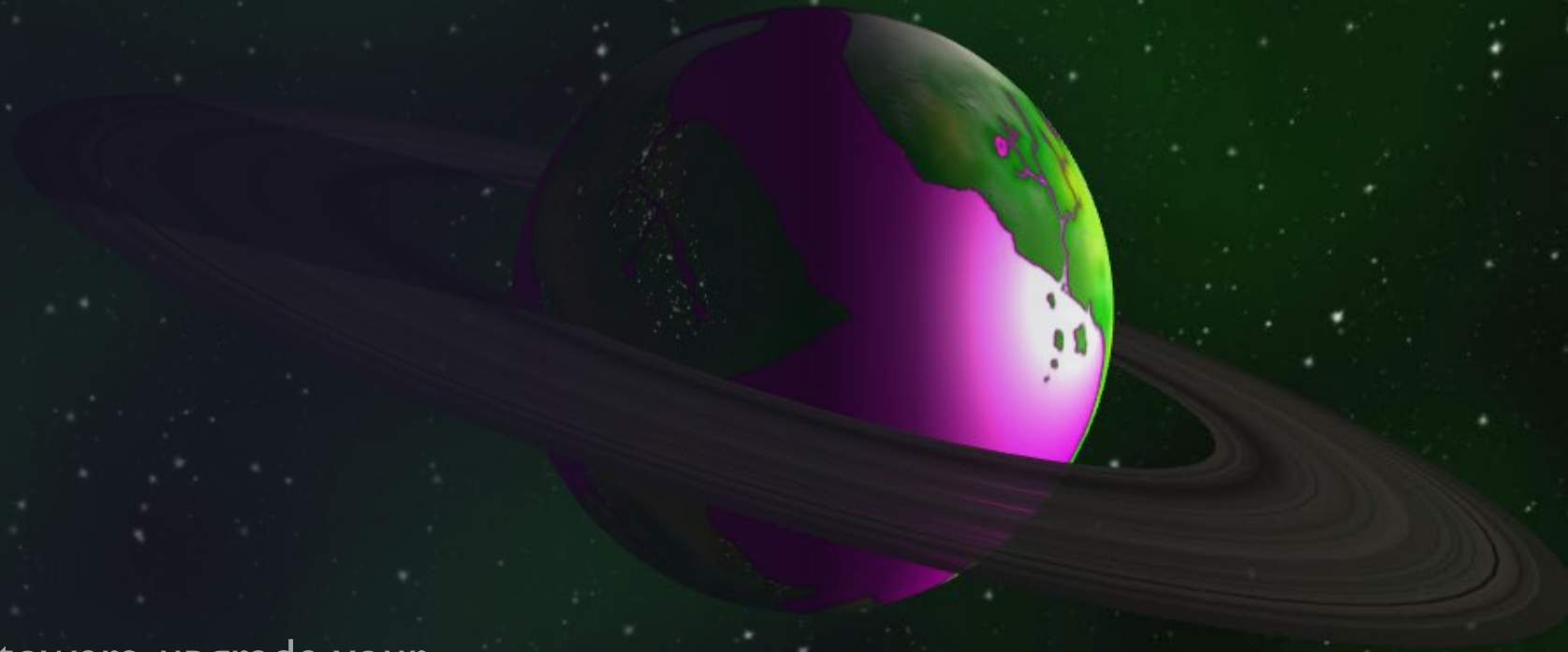
You must build defenses to prevent damage to your mining center but be aware that enemies can come from any direction.

Combine different tower types to strategize victory. Attract towers will pull enemies in. Turrets are very powerful but limited directionally. Coils can attack in 360 degrees but are limited in range. A custom combination may be needed for each wave.





# Upgrades



Upgrade your towers, upgrade your  
ship, upgrade your character,  
upgrade everything!

# Customize Your Builds

Most objects in Horizons Unbound can be upgraded. From your character to each tower you build, upgrades can be applied to change core behavior.

There will be many upgrades creating many different combinations. See some examples to the right:



## Character

- +10% Increase Fire Rate
- +15% Movement Speed
- +20% Jump Height
- Convert 50% Damage to Fire

## Turrets

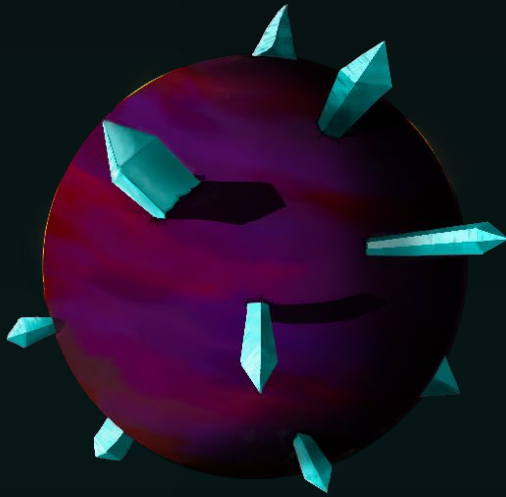
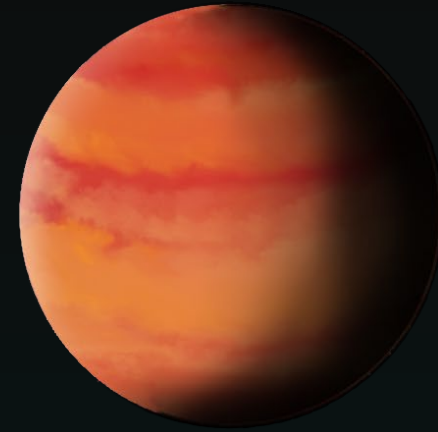
- Ice Spears – Upgrade your shells to icy spears
- Poison Shells – Adds poison damage to each hit
- Thorns – Damage attacking enemies
- Coiled – Adds a lightning coil for an extra 360-degree attack

## Mining Center

- +10% Unboundium Yield
- +20% Life
- Juggernaut – Adds 4 more turrets to the Mining Center

# Obtaining Upgrades

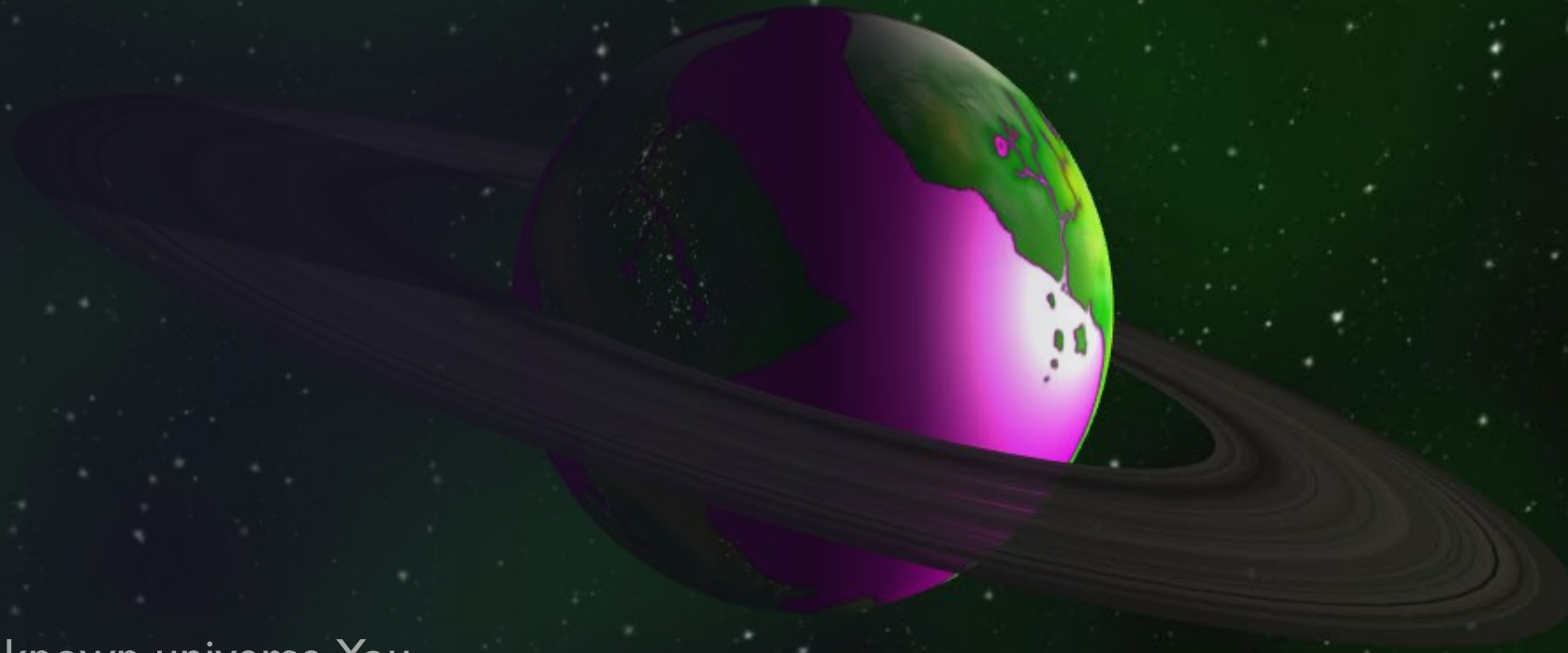
- Upgrades will be available for purchase in the Horizons Unbound store
- Upgrades may be airdropped to system and planet owners
- Upgrades will be available on the secondary marketplace
- Upgrades may be found during expeditions
- Upgrades may be won after completing defensive waves



# Using Upgrades

- Some upgrades can be used across different towers, characters, and other entities. Some upgrades will only be usable on a single object.
- Each upgradable object will have open slots available. Only compatible upgrades will be displayed when selecting a specific upgrade for the targeted object.

# Expeditions



Explore the unknown universe. You may be surprised with what you can discover.



# The Process

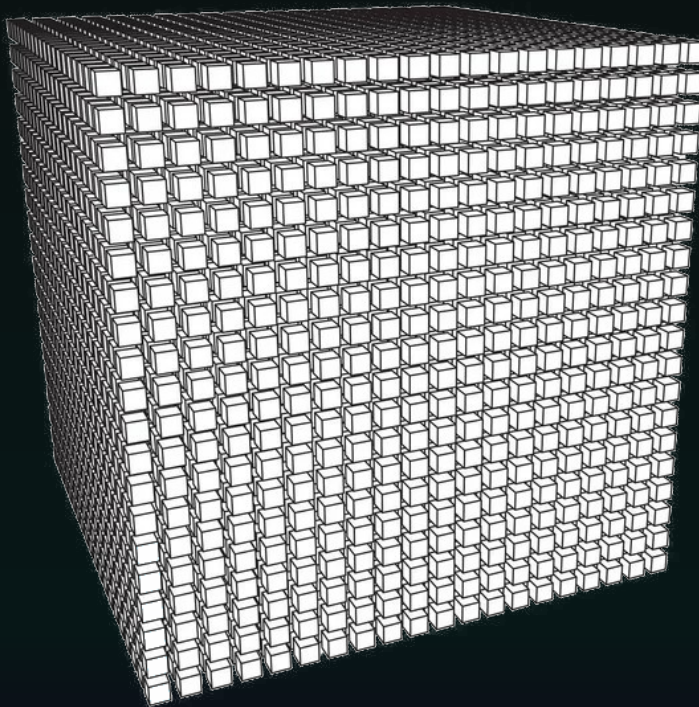
For a fee of Unboundium, you may send out expeditions to uncharted coordinates in attempt to bring back information and treasure.

Each expedition takes a certain amount of time to complete. In the beginning, only one expedition may be launched at a time.

Some expeditions will be fruitful, some may not return anything.



# The Process

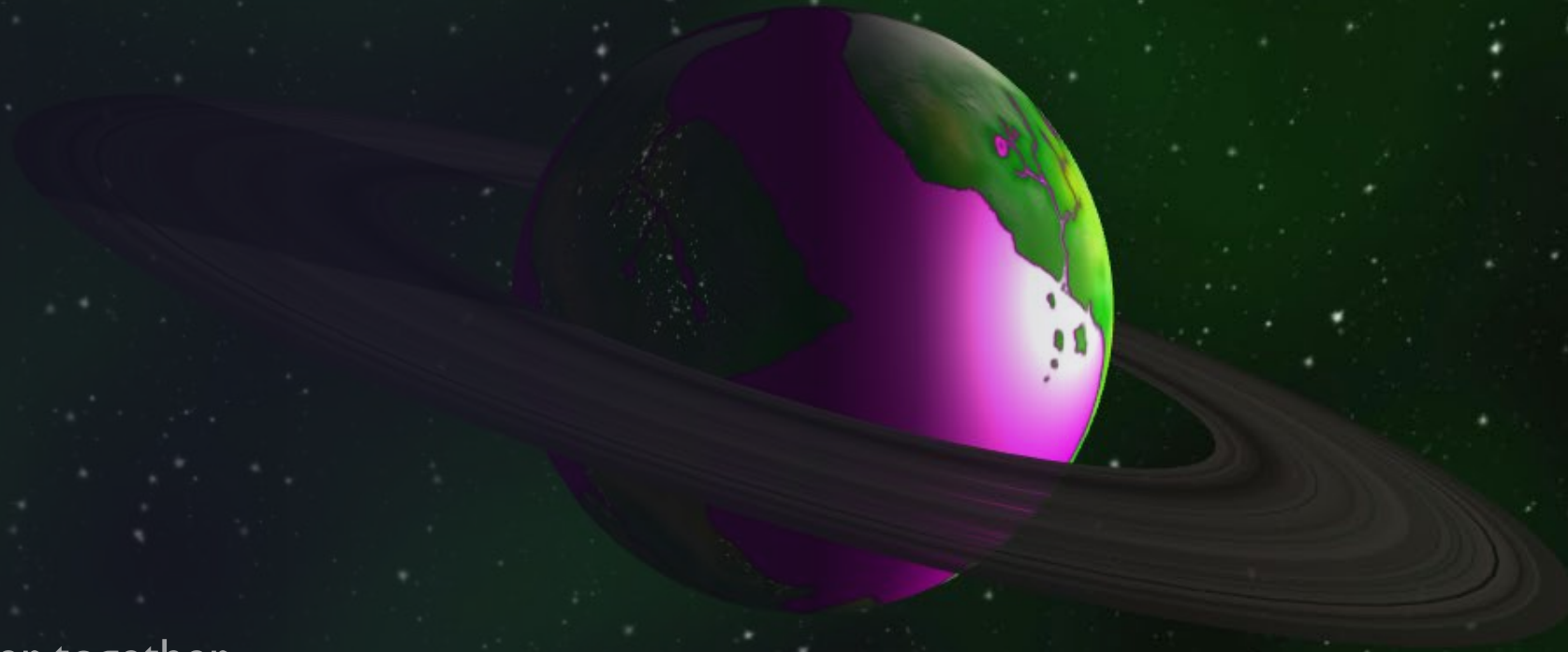


- There will be approximately 100 systems total
- Each system will be comprised of a 20x20x20 grid
- Each cell in the grid can be explored for a chance to find a unique item.
- Upgrades, buildings, Unboundium Generators, Partner NFTs, Unboundium, and much more can be found.

## It's as easy as

- Choose a system
- Choose a coordinate
- Click "Explore"
- Wait for the countdown to end
- Claim your reward

# Partners



We are stronger together

# Partnerships

Horizons Unbound has partnered with other NFT projects to bring even more to the game. Our partner's NFTs will generate Unboundium too. If you have heavily invested in one of our partners, you may be richly rewarded in our universe.

Each partner's NFT's reward will be manually curated by the HU team. Some NFTs will be worth more Unboundium than others based on rank and rarity.

All partner NFT rewards will be posted on the Horizons Unbound website once established.

# Our Current Partners

Starty

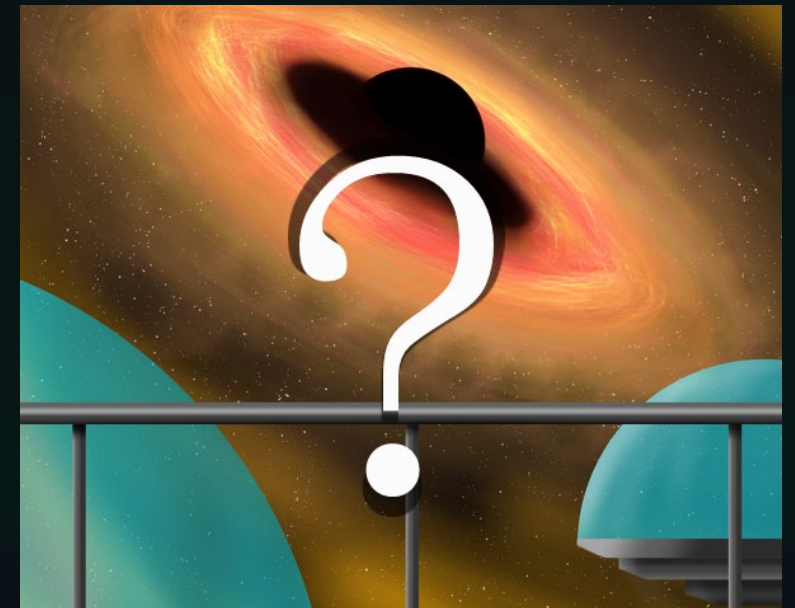


Waving Cosmonauts



## Your Project?

Do you have a project that would like to partner with HU?  
Let us know through our Discord or Twitter accounts!





# Thank you

Thank you for your interest in Horizons Unbound. We appreciate your understanding that this is a living document that will be updated frequently.

You can follow our roadmap on our website at <https://horizonsunbound.io/roadmap> to keep up to date on what has been implemented, what is actively being worked on, and what we have planned next. We will be working diligently to ensure an amazing experience!