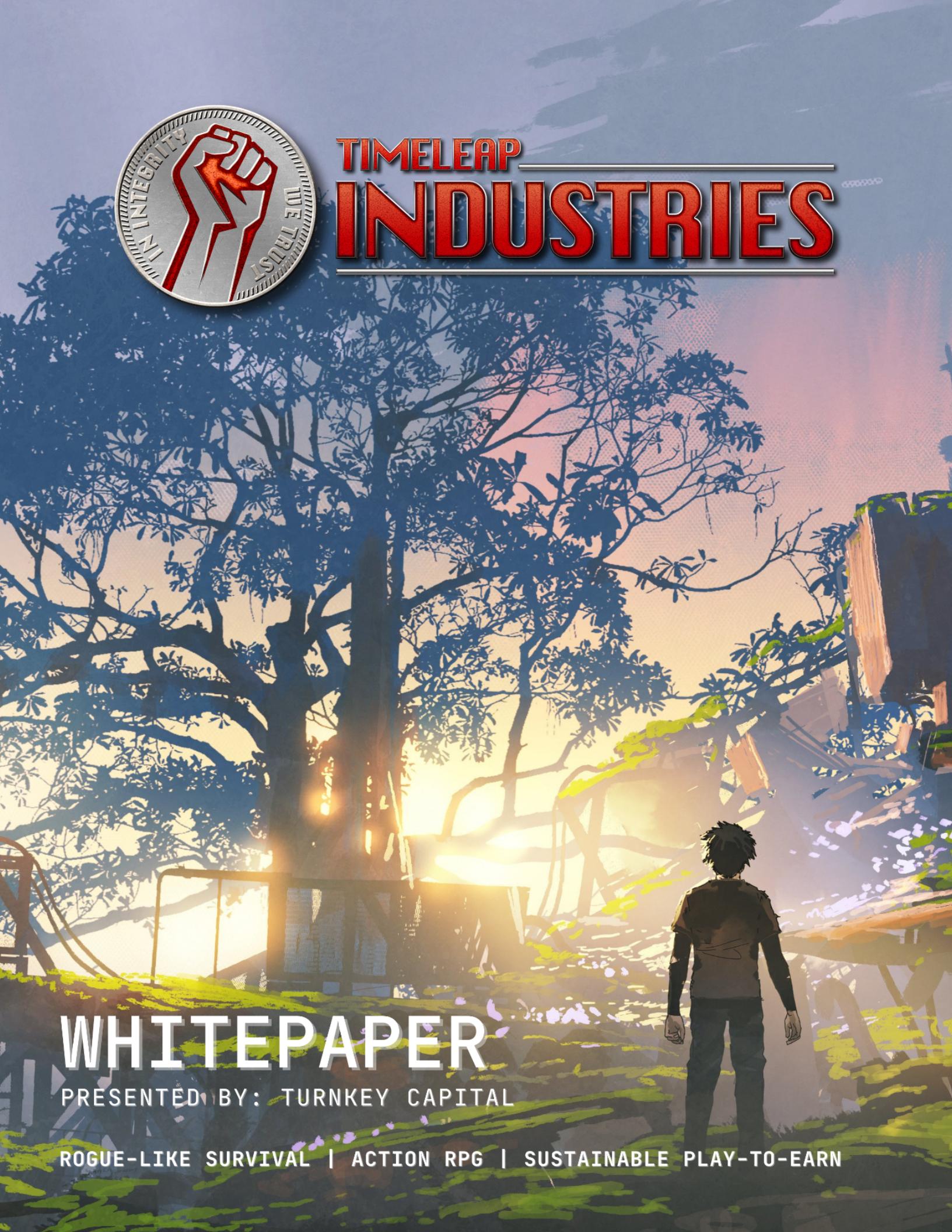




TIMELEAP INDUSTRIES



A stylized illustration of a person standing in a lush, green landscape with large trees and a setting sun. The scene is filled with warm, golden light and vibrant green foliage.

WHITEPAPER

PRESENTED BY: TURNKEY CAPITAL

ROGUE-LIKE SURVIVAL | ACTION RPG | SUSTAINABLE PLAY-TO-EARN

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OUR MISSION

The Timeleap Industries mission is to create the very first truly DeFi-powered game ecosystem - one that excites both DeFi and gaming communities. To do this, we're building an exciting metaverse that:

- allows for social and competitive gaming,
- empowers gamers with assets that have real value, and
- provides a rewarding, yet sustainable, play-to-earn experience.

CORE CONCEPTS

1 - DeFi-first features for a robust in-game economy

The Timeleap Industries gaming economy is one that thrives on robust DeFi features. With **every in-game NFT item collateralized** by ERC-20 tokens from an extensive staking network and our own Decentralized Exchange at the core, **prices of in-game items are real and based on community-driven demand** (not controlled by game developers).

The infrastructure for Timeleap Industries will first be deployed on the **Polygon** chain, but it **can be deployed on any EVM-compatible blockchain**.

2 - NFTs with real value

In-game NFT items store respective native ERC-20 tokens when crafted, thereby translating to actual value for NFTs. **NFT prices are therefore not just based on sentiment**, which makes it easier for players to sell and trade NFTs.



3 - Asset management via NFT characters

Each player's base **character (i.e. account) is an NFT (ERC-998) that owns the player's in-game collateralized assets.** Asset transfer or sales is therefore possible by transferring accounts or assets owned by accounts.

4 - Sandbox gaming universe

Players have great flexibility to:

- Learn, level up Talents and participate in crafting guilds to **earn fees whenever NFTs are crafted**
- Build **combat specializations** based on the weapon, armor, and accessory NFTs equipped
- Battle through a **variety of game modes:** PVE, PVP, Dungeon Raids, Faction Wars, and Multiplayer Online Battle Arena (MOBA)
- Own in-game land NFTs that function as yield optimizers, obtain land enhancement NFTs that improve yields and **build land net worth**
- Get land valued, **trade it, stake it, or take up mortgage loans** to unlock funds for other investments
- Explore procedurally generated environments, unravel mysteries, and discover hidden plots in an **immersive, built-from-scratch narrative**



THE LANDSCAPE

Blockchain gaming and NFTs have exploded in popularity, and they are only in their infancy.

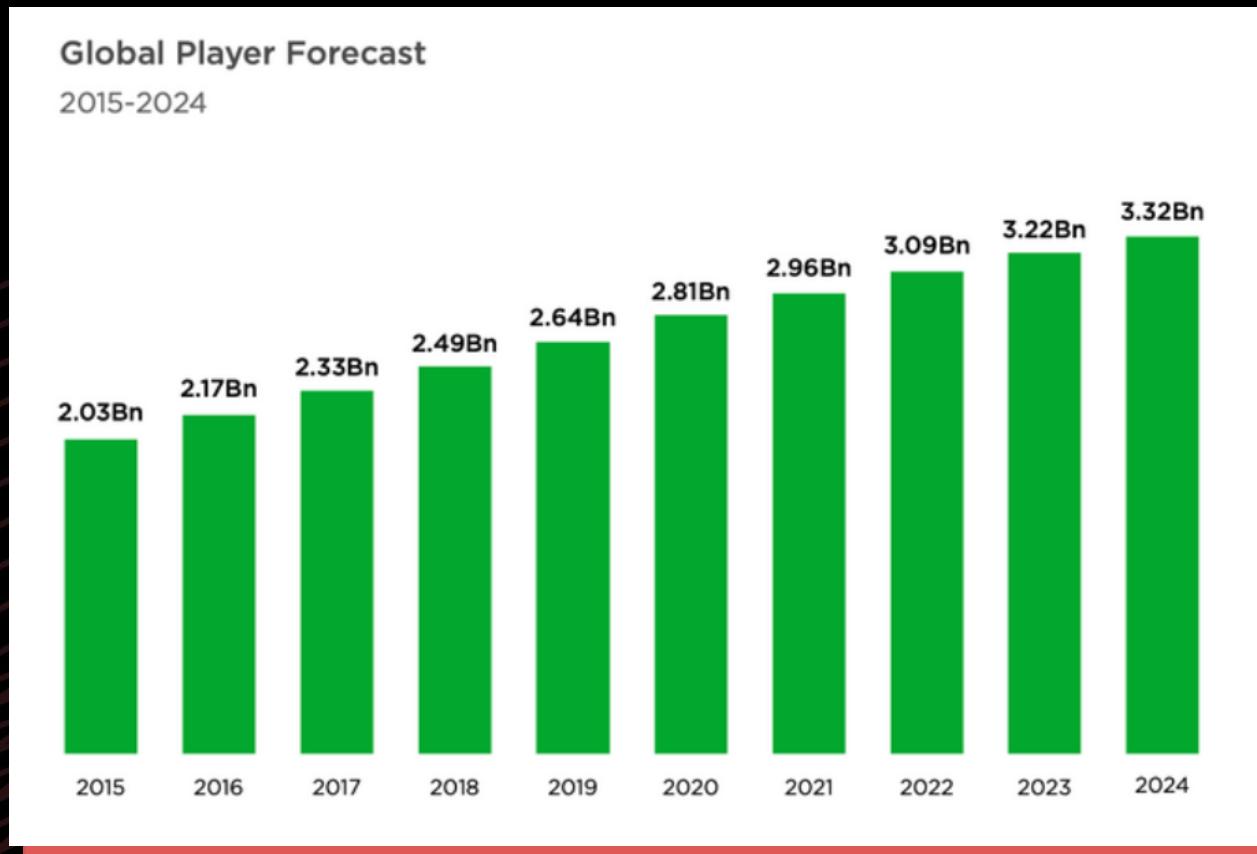
Popular platforms such as Axie Infinity (NFT-based online game using Ethereum-based cryptocurrencies) and OpenSea (world's first & largest NFT marketplace) have both generated top revenues, leading the charts in terms of protocol revenue.



Protocol revenue generated from mid May - mid Nov 2021, via tokenterminal_

The global number of players will also pass the 3-billion milestone next year in 2022

This number will continue to grow at a +5.6% CAGR* (2015–2024) to 3.3 billion by 2024.



newzoo 2021 Global Games Market Report

*CAGR: Compound annual growth rate

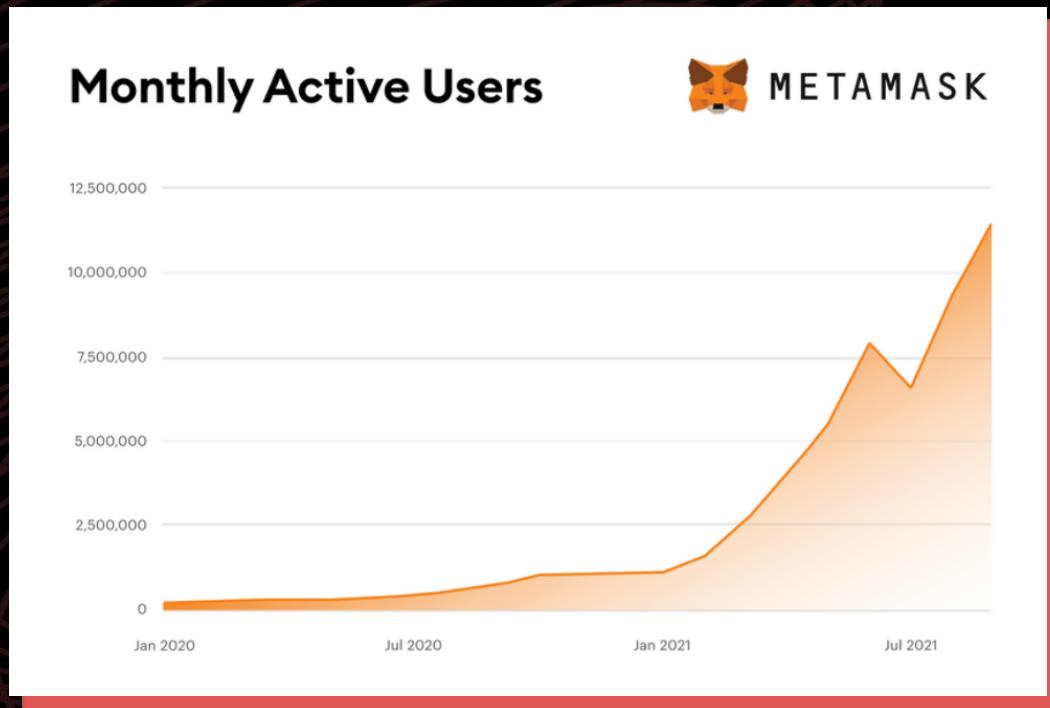
Players can now directly realize profits without relying on P2P sales

The demand for players to earn from gaming has always been there, and blockchain gaming allows for the leverage of the most popular gateway to DeFi - MetaMask.

MetaMask's growth began with DeFi's explosion in 2020, and it has played a key role in blockchain gaming, for players to directly interact with the blockchain.

The use of MetaMask, combined with NFT technology means that players can truly own in-game assets. Not just currency in the form of tokens, but also characters, weapons, armor and land - using the ERC-998 and ERC-1155 NFT Standards.

As mentioned, the infrastructure will first be deployed on Polygon, but it can be deployed on any EVM-compatible blockchain later on.



MetaMask grows to more than 10 million monthly active users, a 19x growth compared to July 2020, via consensys

GAMEPLAY

1 - Rogue-like survival in a dystopian metaverse

Players may explore procedurally generated environments and unlock more game features - while having the flexibility to **go solo or survive with friends in a co-op instance**.

Players will need to **manage their Health, Hunger, and Stamina to survive the journey** before arriving at the next Safe Zone. Replenishments can be obtained by crafting in-game NFT items or purchasing them from other players.

2 - Fast-paced, action-RPG style combat

A **variety of game modes** (such as PVE, PVP, Dungeon Raids, Faction Wars, Multiplayer Online Battle Arena) add on to the game's robust dynamics.

All characters are also **classless**, giving players the **flexibility to build their combat specialization based on what they equip**. Weapon, armor, and accessory NFTs can be crafted or purchased from other players.

3 - Become a master crafter and earn from the economy

Players may learn, level up Talents, and **participate in crafting guilds to earn fees** whenever NFTs are crafted.

In this player-driven economy, the cumulative **levels of participating craftsmen in a guild determine when higher grade items are unlocked** for crafting.





4 - Own and earn from land

Players may own in-game land NFTs that serve as yield optimizers. Obtaining land enhancement NFTs help improve yields and **build up land net worth**.

Land can then be valued, **traded, staked , or used to take up a mortgage loan** that unlocks funds for other investments. Under the last scenario, land will be held in escrow and farming can still continue. In other words, **yields automatically pay for a player's loan**.

5 - An immersive, built-from-scratch narrative

Players will get to enjoy a narrative that includes humor, satire, and a dash of pop culture. Progressively revealed across multiple story acts, the narrative is crafted such that players can **unravel mysteries, discover hidden plots, and learn about the origins of Timeleap Industries**.

Visual novel lovers and NFT collectors may **build their visual novel NFT collection** by exploring story mode.

IN-GAME ECONOMY

The Timeleap Industries **game economy is real**. The game will operate with its own economic system and laws that are influenced by players themselves.

Unlike most blockchain games where there is only a single in-game currency, every single in-game NFT item in Timeleap Industries is collateralized by ERC-20 tokens which are listed on our DEX.

We aim to become the very first in-game economy that is truly DeFi-powered, and we will accomplish this with two key pillars - the **VITAL Index and Industries Decentralized Exchange (DEX)**.

VITAL Index

The Timeleap Industries in-game economy is supported by an extensive staking network, also known as the VITAL Index. Here are its key features:

1 - NFT crafting and stored value

Players can earn native tokens across the VITAL Index, and use them to craft in-game NFTs.

When natives are exchanged to craft an NFT, the NFT stores the ERC-20 tokens. The NFT's tangible value is thus determined by its amount of stored tokens and the price of the token.





This tangible value means that the NFT is not just sentiment-driven, making it easier for players to price, sell and trade their NFTs in our in-game marketplace, or even on OpenSea.

2 - *NFT consumption and burning*

NFTs can be used in the game - either consumed (e.g. food rations which help to replenish Hunger) or equipped (e.g. armor and weapons). Timeleap Industries is, after all, a survival game.

When an NFT item is used or runs out of durability, the NFT, together with its stored native tokens, are burned.

The burning of native tokens helps with price stabilization while curbing hyperinflation.

There will be other types of NFTs that come with varying deflationary mechanisms and will be introduced at a later stage.

3 - *Stable liquidity and prices*

Gaming tokens typically see a lot of price volatility due to a lack of liquidity providers. The VITAL Index's protocol-owned liquidity is meant to solve this.

The VITAL Index sells bonds at a rate determined by the protocol. This allows the protocol to secure stable liquidity without "renting" (paying out reward tokens to incentivize staking of LP tokens), increasing trade depth and reducing price volatility.

Industries Decentralized Exchange (DEX)

Our current fundraising rounds are for the DEX native token, INTEGRITY (\$INT). These are its key features:

1 - The centerpiece of the in-game economy

INTEGRITY (\$INT) is the very first DEX native token that will be used as the main in-game currency.

Players will use the Industries DEX to swap native tokens across the VITAL Index, as well as stablecoins and large caps. Swapping earns the user cashback in the form of \$INT.

Closely linked to the game narrative, players can spend \$INT to access game arenas, bypass game obstacles, purchase items, and gain exclusive access to bond discounts from the VITAL Index.

2 - Hyperdeflationary with a stable price

\$INT is created to be the very first DEX native token that is hyperdeflationary.

Almost every DEX native thus far has suffered from hyperinflation and price dumps. This is due to DEX natives being used as community reward tokens (and therefore sold).

We solve this issue by not emitting \$INT as a reward token. **\$INT cannot be farmed**; the only ways to get \$INT are to:

- Buy it from the circulating supply
- Get it via cashback from swapping at Industries DEX
- Participate in launchpads / accelerators / pre-sales

3 - A liquidity providing ecosystem

\$INT is supported by the VITAL Index staking network which helps incentivize liquidity.

INT LPs will be bonded throughout the network and stakers will be able to earn material tokens from the indexes they stake in. Stakers are incentivized to provide liquidity for INT LPs due to the factors mentioned in the VITAL Index section above:

- Material tokens can be used to craft in-game NFTs with actual value and therefore sold / traded more easily
- When consumed in-game, NFT items are burned, together with their stored tokens, creating price stabilization for NFTs and its tokens
- The VITAL Index system acts as a liquidity sink that buys LP tokens through bonding, thereby stabilizing token prices across the economy

The VITAL Index will also feature liquidity bonds for the Industries DEX, hence enabling swaps on the DEX.



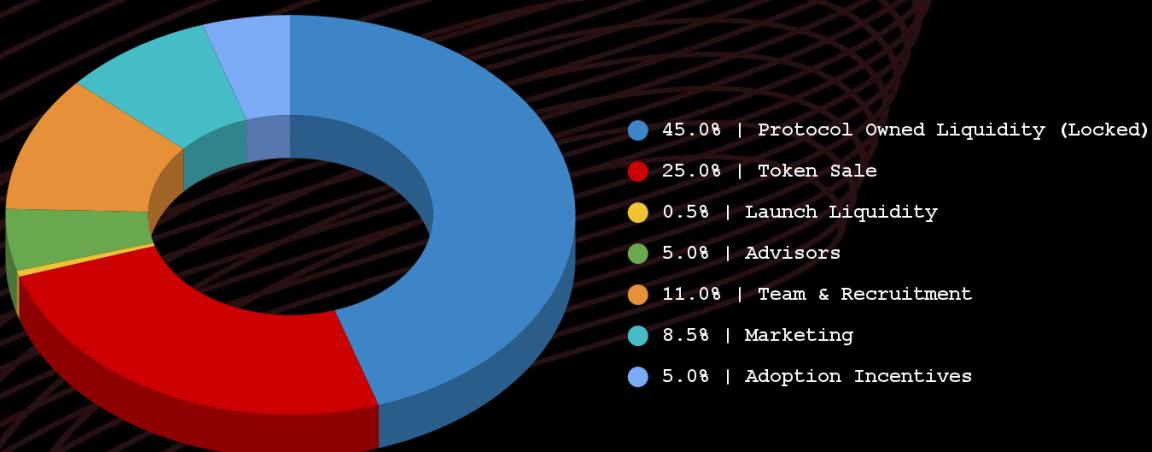
DEX COMPETITIVE ANALYSIS

| | Industries | QuickSwap | Firebird |
|-----------------------------|---|-----------|--|
| Total Swap Fee | 0.3% | 0.3% | 0.2% |
| Swap Fee allocation: | | | |
| Liquidity Provider Fee | 0.05%+ A large part of liquidity providing is incentivized through the Vital Index instead | 0.3% | 0.06% |
| Operating Costs | 0.05% | 0% | 0% |
| Cashback to User | 0.10% | 0% | 0.06% |
| Treasury / Others | 0.10% Converted to form INT LPs with minted INT in Treasury. LPs locked in Treasury for at least 1 year. This provides a stable price for INT and is meant for future in-game utility in the form of collateralization. | 0% | Converted to USDC as dividends for mHOPE stakers |

INDUSTRIES DEX TOKENOMICS

- Token Name & Ticker: Integrity, \$INT
- Type: ERC-20 (As mentioned, the infrastructure will first be deployed on Polygon, but it can be deployed on any EVM-compatible blockchain later on)
- Max supply: 60,000,000 INT
- Launch price: \$0.40

Token distribution chart



Raise

| Round | Token Price | % of Token Distribution | Tokens for Sale | Hard Cap | Vesting Period |
|-----------------|-------------|-------------------------|-------------------|--------------------|--|
| Pre-Seed | \$0.096 | 1.0% | 600,000 | \$57,600 | 3% at TGE, then linear unlock per block over 18 months |
| Seed | \$0.160 | 7.0% | 4,200,000 | \$672,000 | 3% at TGE, then linear unlock per block over 16 months |
| Private | \$0.300 | 12.0% | 7,200,000 | \$2,160,000 | 5% at TGE, then linear unlock per block over 12 months |
| Strategic / KOL | \$0.300 | 2.0% | 1,200,000 | \$360,000 | 5% at TGE, then linear unlock per block over 9 months |
| Public | \$0.400 | 3.0% | 1,800,000 | \$720,000 | 15% at TGE, then linear unlock per block over 6 months |
| Total | | 25.0% | 15,000,000 | \$3,969,600 | |

Note: Token distribution and raise amounts are subject to change.

Token allocation & vesting

| Token Allocation | % of allocation | Number of Tokens | Vesting Period |
|-----------------------------------|-----------------|-------------------|--|
| Protocol Owned Liquidity (Locked) | 45.0% | 27,000,000 | 24-month lockup. 100% locked in Treasury for liquidity pairing. |
| Advisors | 5.0% | 3,000,000 | 1-month lockup, then linear unlock per block over 12 months |
| Team & Recruitment | 11.0% | 6,600,000 | 12-month lockup, then linear unlock per block over 12 months |
| Marketing & Partnerships | 8.5% | 5,100,000 | 3-month lockup, then 10% after lockup, then linear unlock per block over 9 months |
| Adoption Incentives | 5.0% | 3,000,000 | 1-month lockup, then 10% after lockup, then linear unlock per block over 11 months |
| Launch Liquidity | 0.5% | 300,000 | 100% at TGE, 3 month lockup before migration to own AMM |
| Pre-Seed Round | 1.0% | 600,000 | 3% at TGE, then linear unlock per block over 18 months |
| Seed Round | 7.0% | 4,200,000 | 3% at TGE, then linear unlock per block over 16 months |
| Private Round | 12.0% | 7,200,000 | 5% at TGE, then linear unlock per block over 12 months |
| Strategic / KOL Round | 2.0% | 1,200,000 | 5% at TGE, then linear unlock per block over 9 months |
| Public Round | 3.0% | 1,800,000 | 15% at TGE, then linear unlock per block over 6 months |
| Total | 100.0% | 60,000,000 | |

THE BUSINESS

Our goal is to build a robust DeFi-first gaming ecosystem - one that merges playing with earning and excites both DeFi and gaming communities.

Here, you'll find more information on our revenue streams, marketing plan and roadmap to achieve our goal.

Revenue streams

As project continuity is development heavy, our set-up involves multiple revenue streams to support the project and help it realize its full potential. The game itself adopts a **freemium model**, and these are its revenue streams:

- **Fees** applied to in-game transactions
- **Bonding fees** earned from staking in the VITAL Index network
- A small fee applicable for **NFT crafting**
- **Player-to-player NFT sales**, where trading fees are earned
- **In-game advertising**, where spaces are rented as 'product placements' to other projects / companies
- **NFT sales** for limited edition in-game accessories



Marketing plan

Not only will **multiple launchpad / accelerator partnerships bring about exposure to an influx of new investors**, a significant portion of funds from fundraising rounds will be allocated towards marketing expenditure.

Marketing outreach

- Engagement of **influencers in the DeFi and gaming space**, across networks such as YouTube, and Twitter
- Paid **game reviews and game tutorials**
- Banner **advertising on DeFi and gaming specialized sites** which allow for targeted campaigns
- **Press releases and articles** on major news sites
- **Multiplayer gaming competitions** and eSports sponsorships

A portion of fees earned from the VITAL Index will also be channeled towards advertising on popular DeFi platforms. **This builds a steady base of DeFi users (on top of Timeleap's existing community) even before the game launches.**

Timeleap's community

Since July 2021, Timeleap Finance (with \$TIME as its native token) has **already built up a steady community of DeFi investors**.

The \$TIME community will be incentivized to participate in Timeleap Industries with a special combat utility within the game that will help them gain an edge in combat and exploration. \$TIME will also allow users to participate in land ownership.

We believe that these incentives will **keep our existing DeFi investors engaged and ready to participate once the Timeleap Industries game is ready for launch.**

Roadmap (2021-2022)

Nov - Dec 2021

- Conceptualization, tokenomics, architecture and gameplay mechanics planning
- Whitepaper and marketing website
- Fundraising partnerships

Q1 2022

- Combat prototype (Dungeon raids)
- Game trailer
- Lore development
- \$INT token smart contract
- Fundraising partnerships
- Pre-seed, Seed round I

Q2 2022

- Vertical Slice (Dungeon raids, single player & level)
- NFT crafting recipes

- NFT designs (Characters, Equipment, Consumables)
- Seed round II, private, public rounds
- ICO marketing
- Ongoing lore development

Q3 2022

- Alpha game launch (Dungeon raids, single player, multiple levels) with Web 3.0 integration
- NFT minting development (Characters, Equipment, Consumables)
- Industries DEX
- VITAL index (Completion of in-game economy infrastructure)
- Ongoing lore development

Q4 2022

- Exclusive character & equipment NFT sales
- Beta & official game launch
- Ongoing lore development

Roadmap (2023+)

2023 and beyond

- PVE (Survival / Exploration)
- Factions & faction wars
- Multiplayer Online Battle Arena (eSports)
- Land NFTs
- Unsecured lending & credit
- Ongoing lore development
- Visual novel creation & NFTs
- Game identity interactions development (NFT characters, inventory, land)



Above is one of the designs in our first set of custom, animated NFTs. Available on OpenSea. the Keys of Civilization NFTs were first revealed at PolyCon 2021 - the largest interactive, virtual Polygon event on Gamerjibe. All keys unlock a time capsule (lootbox) which contains in-game NFT items. Rare keys also include tokens from the VITAL Index.

INVEST IN \$INT

First and foremost, we are building an entertaining and fun DeFi-powered gaming platform.

Rogue-like survival in a dystopian metaverse, fast-paced action-RPG style combat, sustainable play-to-earn opportunities, and custom designs across all character and in-game NFTs - these work together to build value for a RPG game-verse which is truly enjoyable.

On top of that, we have an **in-game economy that truly stands out from typical blockchain games** - one where every single in-game NFT item contains tangible value and is collateralized by ERC-20 tokens that are tradable.

A **real game economy** which operates with its own system and that is influenced by players themselves.

When you invest in \$INT,

- You are not just investing in any DEX native token. \$INT has **solid utility as an in-game currency and functions as the centerpiece of the Timeleap Industries in-game economy** - to access game arenas, bypass game obstacles, unlock premium crafting talents, and own land.
- You are buying into the **very first gaming and DEX native that isn't a reward token, making it truly hyperdeflationary**.
- You are investing into a native token **built to withstand price volatility**. Liquidity for \$INT is incentivized across an extensive staking network and >45% of its total supply will be locked away into protocol-owned liquidity (LP tokens) gradually with every swap.

DISCLAIMER

This whitepaper has been issued by Turnkey Capital LLC on 24 January 2022. It describes Timeleap's plans and may not be complete or final.

The purpose of this whitepaper is to provide prospective traders/speculators or otherwise with the information to make decisions on token purchases.

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The buying of digital tokens is speculative and involves risks, which should be understood prior to making any decision to trade or purchase a token. Examples of risks include a decrease in token value, volatility in cryptocurrency markets, the possibility of increased regulation etc.

Prospective purchasers should conduct independent research and analysis to fully evaluate the merits and risks of their purchase, before making an independent decision to obtain or purchase digital tokens.

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