VIRTUAL REALITY

AND X STARLINK
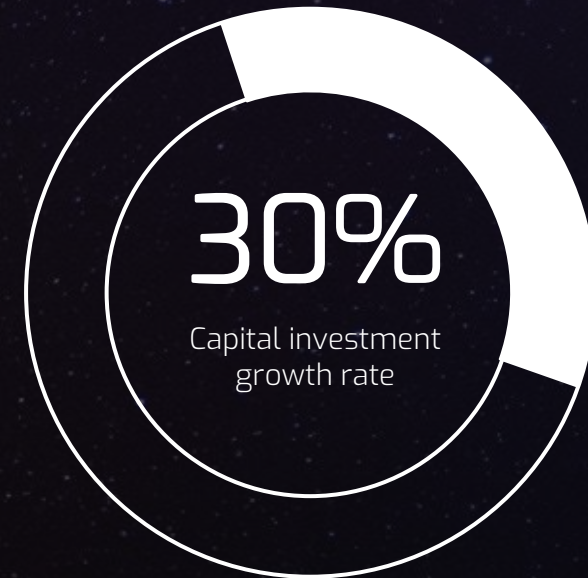
VR/AR Capital Investments

58%

year-on-year increase in VR/AR investment

In 2019, the global VR/AR investment totaled
US$4.1 billion,
an increase of 58.5% year-on-year

30%

Capital investment growth rate

Capital investments in the VR/AR industry are expected to continue to grow at a rapid rate of
30%
from 2020 to 2022

SECOND EARTH

VR/AR Market

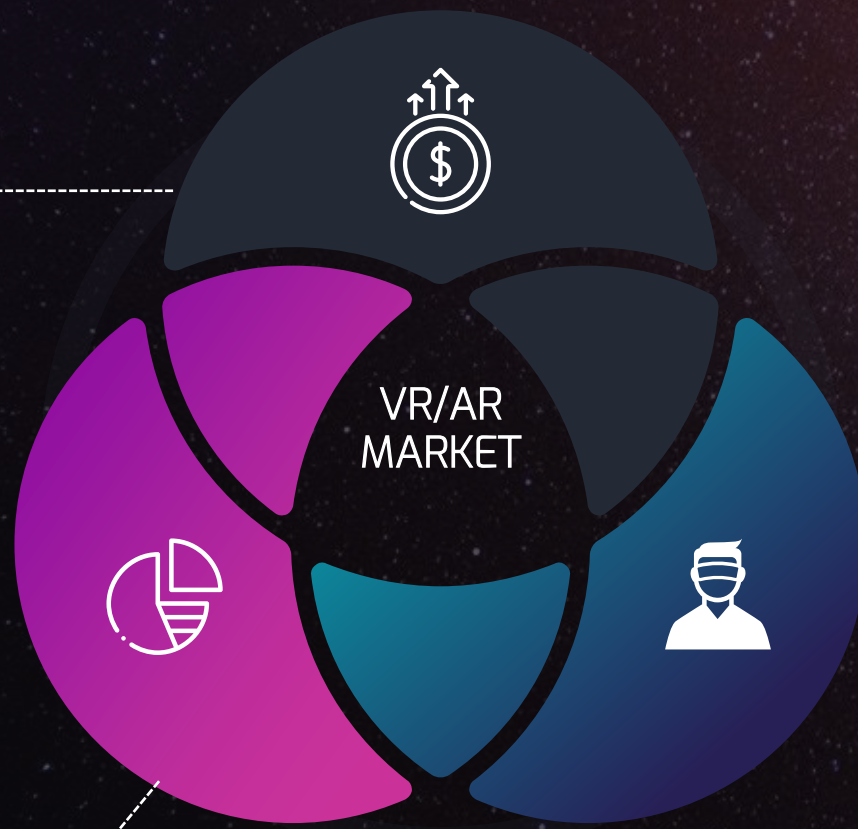Total revenue for the global VR/AR industry in 2022 is expected to reach **US$48.2 billion**

VR headset shipments are expected to reach **36.7 million units** in 2023 and soar to **250 million units** in 2025

The overall market size is expected to reach **$571.4 billion** in 2025 with a total user member of **440 million**

VR/AR MARKET

VR/AR TECHNOLOGY

2019 becomes the first year of "5G" + "Wi-Fi 6" in the communications industry

In the 5G era, Cloud VR is expected to promote the large-scale VR technologies and applications. Cloud VR reduces terminal costs and dependence on computing hardware effectively, and promotes using lightweight and mobile terminals.

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Starlink

Background

Elon Musk first proposed the "Starlink Project" in 2015. According to a planned "60 satellites per rocket", there will be about 1,600 satellites by the end of 2020, more than any country currently possesses.

Starlink is superior in terms of latency, terminal price, traffic costs and coverage. It provides low-cost communication methods for families, and is widely used in specific areas such as dense forests, thick jungles, vast oceans, and other sparsely populated areas.
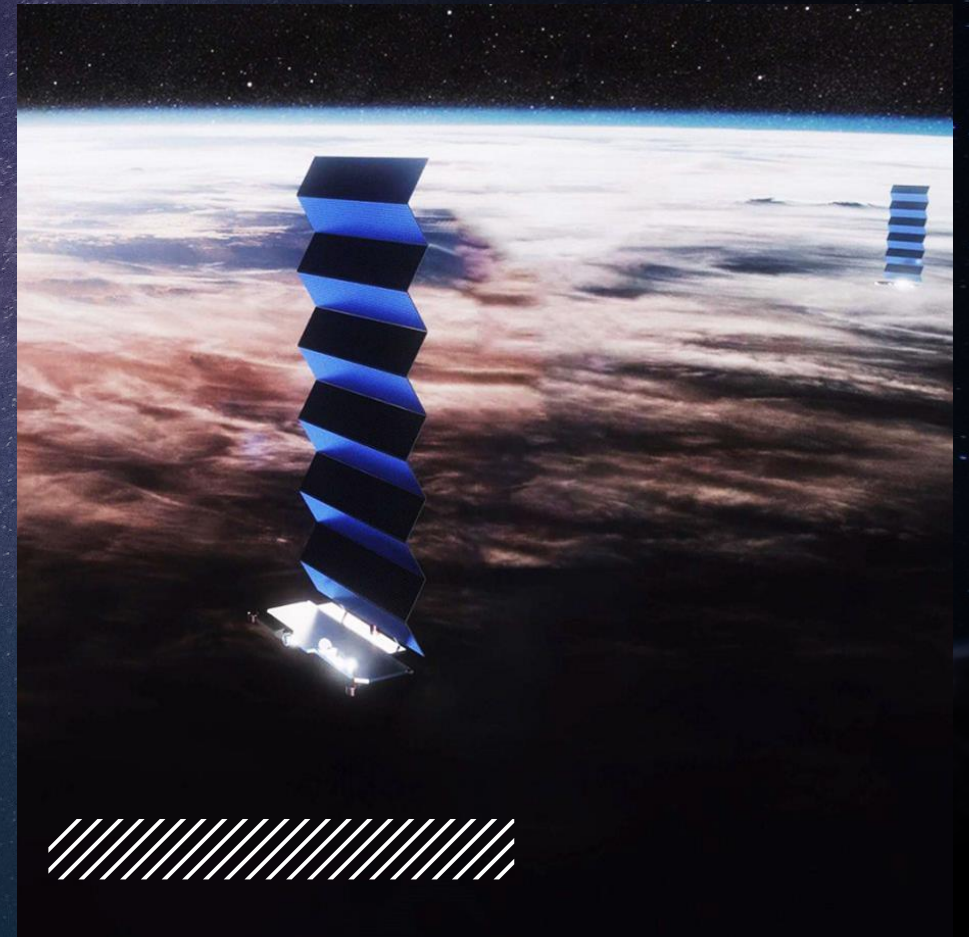
Starlink

STAGE #1

STAGE #2

STAGE #3

Launch about
1,600 satellites
and provide "Starlink" services to the United States and Canada in 2020.

Launch
2,825 satellites
to complete the global network, with a communication capacity of 1Gbps and a latency of less than 25ms.

Launch
7,518 satellites
to form a constellation that provides satellite-based high-speed Internet to the entire world.

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VR/AR Industry Pain Points

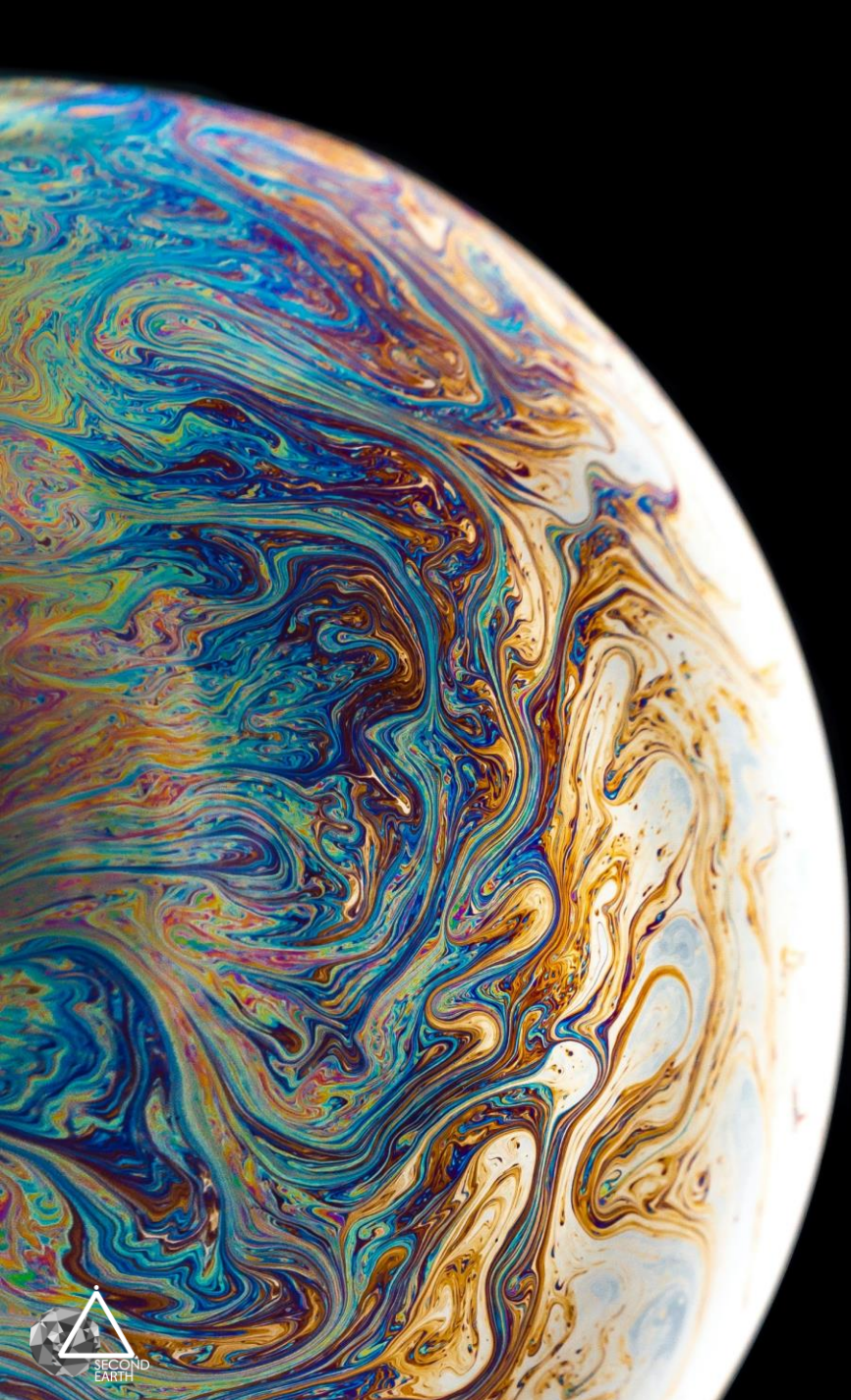**Virtual reality technologies only used in simple use cases**

Limited data sources for AR/VR modelling

Existing network bandwidth, latency and coverage limits

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SECOND EARTH
PROJECT

SECOND EARTH DEFINITION

Second Earth, also known as the Gaia Project, originates from the famous futurist Kevin Kelly's concept of the

"MIRRORED WORLD"

This concept will be realized by combining VR/AR technology, blockchain, artificial intelligence, and the Starlink global communication network.

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SECOND EARTH MISSION

Second Earth is the first interactive virtual reality platform to introduce a cryptocurrency incentive mechanism. Using Starlink as the network base infrastructure and introducing a digital currency incentive mechanism, it solves the pain points from a lack of VR/AR modeling data and network data transmissions.

Second Earth allows everyone to get tickets to become citizens in this new virtual world. Everyone can participate in constructing this virtual ecosystem, choose their own territory, and

BECOME A MASTER OF SECOND EARTH!

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SECOND EARTH INNOVATIONS

The world's first instance combining cryptocurrency and virtual reality experiences

Integrating blockchain and virtual reality will significantly accelerate the evolution of this mirrored world and the cryptocurrency incentive mechanisms will encourage the average user to collect VR modeling data.

SET public chain with V-DeFi+NFT

DeFi and NFT smart contracts built on the SET public chain provide decentralized financial services.

SECOND EARTH INNOVATIONS

POM consensus mechanism

M stands for Media, Message, Memory and Mission. The unique consensus algorithm of Second Earth uses these four qualities to evaluate each participant's contribution to the ecosystem.

New mission mode

The new mission mode allows Pioneers to assist Explorers (owners of virtual territory) to complete exploring the physical world.

Second Earth Application Scenarios

Decentralized Finance Applications

Deposit Box Mining & Collateralization

Staking Box Reinvestment Pool

DEX

Mission Mining Credit System

Referral GDP Collateralization

Mission Mining Income ABS

NFT Assets & Auctions

Merchant NFT Trading & Collateralization
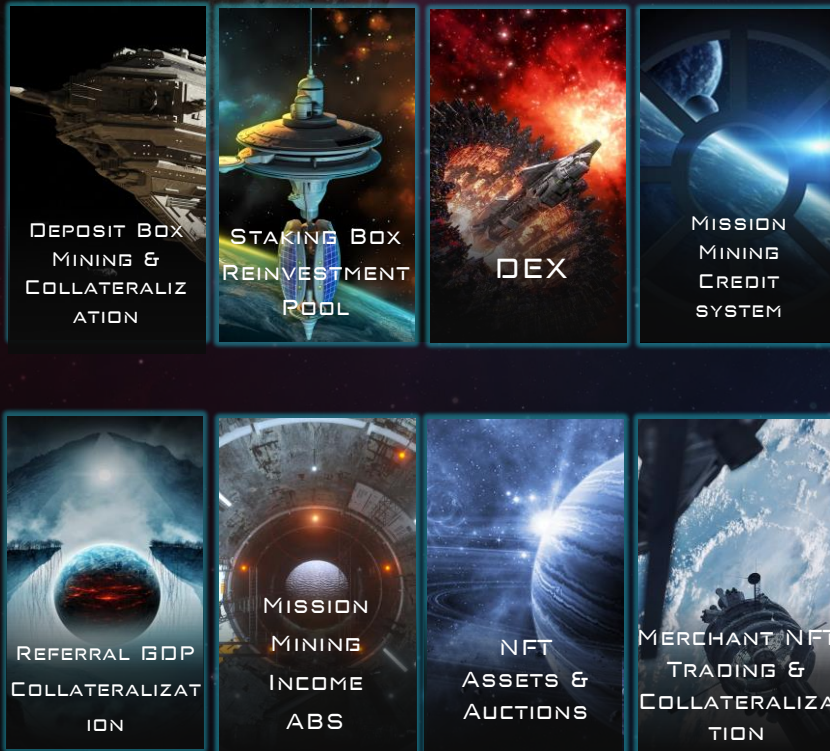
Decentralized Financial Supports

Business Applications

Advanced Advertising Ecosystem

Immersive Travel

Merchant Virtual Shop Registration System

Virtual Reality Games

SECOND EARTH

Second Earth 6 Benefits

Ecosystem dividends

Cryptocurrency value appreciation

DeFi Financial Services

Mission mining

GDP rewards

NFT Trading
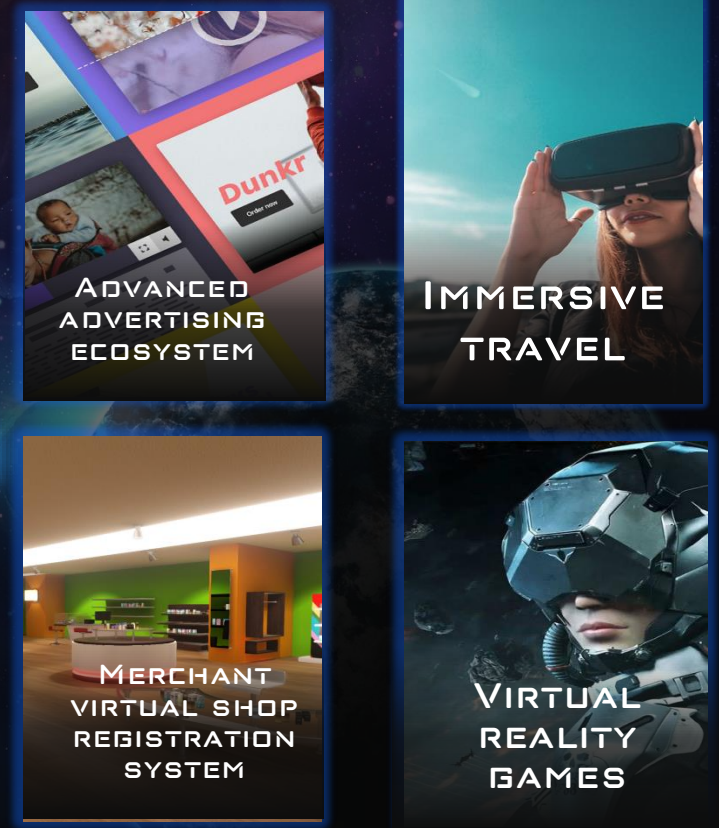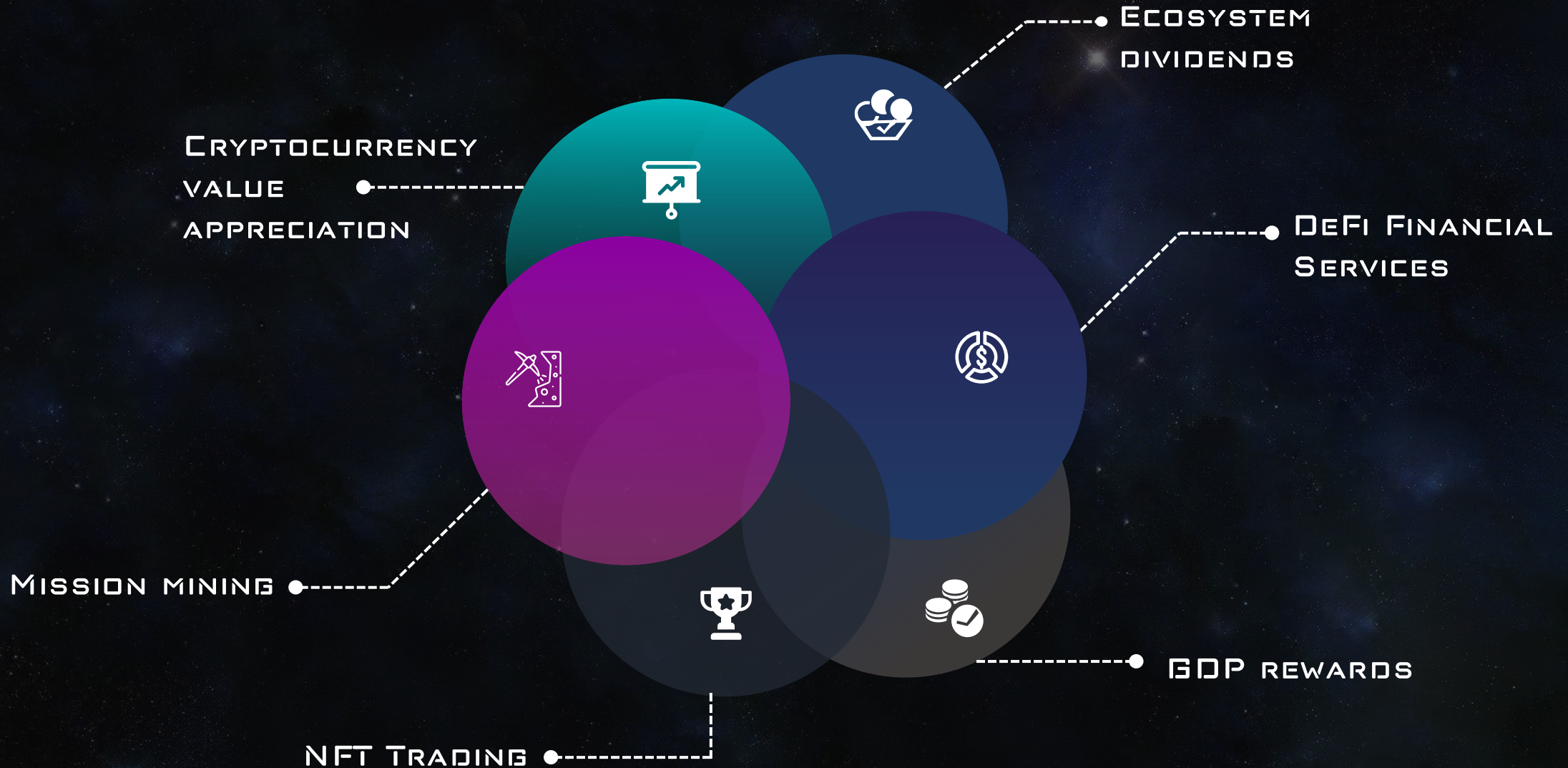
Second Earth: Noah's Landing

Roles in Noah's Landing

Roles: Pioneer and Explorer Noah

Pioneer requirements: any user who owns a mobile phone or PC.

Explorer Noah requirements: More than **100** Pioneers need to be recruited and **5000** USDT must be deposited to obtain the right to select any territory on Terra-2 (Second Earth's virtual world).

Notes 1. If the Explorer recruitment requirements are not met, the respective Explorer Noah's qualification will be invalidated, and the chosen territory will be unlocked.

Note 2. 102 Explorer Noahs will be recruited in the early stage of the Second Earth project to pre-purchase their preferred virtual territories, and later virtual territory purchases will be available to all users.

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Contribution Value

Users obtain contribution values according to daily completed missions in Noah's landing, and purchases of SET tokens with the contribution values acquired during this stage.

Purchase quota (of SET) = individual network contribution value / total network contribution × total amount at the initial Reshaping stage × 0.2USDT

Note: If the subscription quota is less than 5000USDT, any excess funds will be returned; if the subscription quota is greater than 5000USDT, any excess balance can be transferred to another user or purchased by themselves. If the subscription quota is not used within two days, it will be automatically burned, thereby reducing circulation.

SECOND EARTH: RESHAPING

Economic Model in Reshaping

Maximum SET (Second Earth Token) supply: **510.1 million**

Circulating supply at the start of the Reshaping : **5.101 million SET**

Circulating supply at the start of the Revival : **51.01 million SET**

Daily mined tokens: **370,000 SET**

Gas token: GA (Gaia Token) is the fuel consumed for SET transactions; the ratio of GA to SET is **1:1**

Distribution rules: Daily mined tokens are allocated according to the mission completions across the entire network

Methods to obtain SET: Complete data collection missions to obtain SET, complete action missions to obtain GA. SET and GA must be deposited daily to receive new missions. (Official reward missions will be launched at a later stage, and there is no need to deposit SET or GA to receive these missions)

Mission mining mechanisms

Photo mining

You can earn virtual world GDP (hashpower) by taking photos and uploading them every day, and you will receive your daily SET mining income according to your GDP compared to the entire network GDP.

Action mining

You can earn GA by completing offline action missions every day and uploading credentials.

370,000 SET enter the mining pool every day. If less than enough missions are completed, those uncompleted missions are offered to the entire community as global reward missions. If those missions are still not completed, the remaining tokens are automatically burned.

SECOND EARTH

Deposit box

- The user needs to deposit tokens in the deposit box every day to activate and receive new missions. After accepting the mission, the deposit is deemed effective, and the rewards will be released after 24 hours.

- Users can choose to take out the deposited tokens after 24 hours or choose to continue depositing to increase their loyalty ratio (the loyalty ratio increases according to the time a user stays in the project)

- The numbers of tokens in the deposit box are represented by X_n (X is derived randomly from the public chain, and n means different deposit box level)

SECOND EARTH

Deposit box

Deposit boxes can be classified into the three levels as below
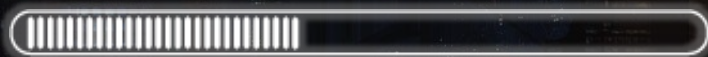
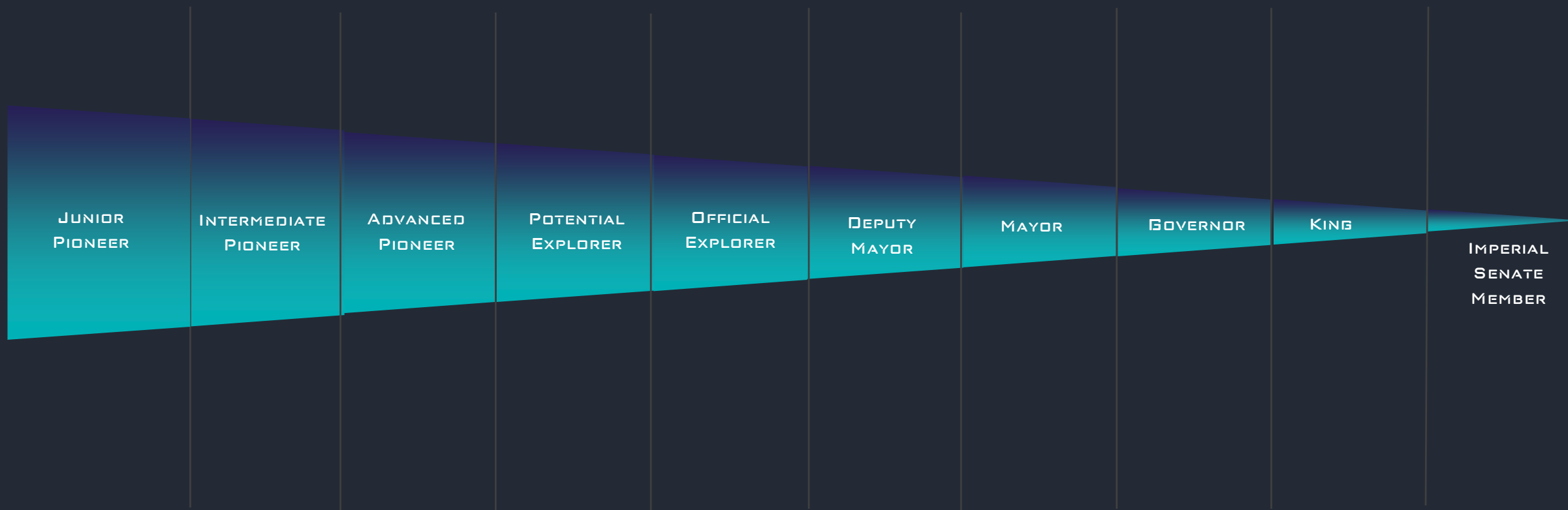**Satellite deposit box** » **Space-capsule deposit box** » **Spaceship deposit box**

Satellite deposit box users can receive a GDP share of their network's Satellite deposit box referrals. Space-capsule deposit box users can get a GDP share of their network's Satellite deposit box and Space-capsule deposit box referrals. Spaceship deposit box users can receive a GDP share of all deposit box referrals.

SECOND EARTH

Roles in Reshaping

According to the GDP national power ranking, the role levels are divided into:

Junior Pioneer

Intermediate Pioneer

Advanced Pioneer

Potential Explorer

Official Explorer

Deputy Mayor

Mayor

Governor

King

Imperial Senate Member

SECOND EARTH

Roles in Reshaping

Any user who owns a mobile phone or PC

Junior Pioneer

Roles in Reshaping

The role requirements and income information for Intermediate Pioneer will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Intermediate Pioneer

Benefits

Official giveaway: 360° VR camera

ROLES IN RESHAPING

The role requirements and income information for Advanced Pioneer will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

BENEFITS

Official giveaway: a set of VR glasses

ADVANCED PIONEER

Roles in Reshaping

Potential Explorer

The role requirements and income information for Potential Explorer will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Benefits

Official giveaway: HTC Cosmos high-end VR headset

Roles in Reshaping

The role requirements and income information for Official Explorer will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Official Explorer

Benefits

1. Official giveaway: high-end PC

Roles in Reshaping

The role requirements and income information for Deputy Mayor will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Deputy Mayor

Benefits

Official giveaway: VR motion simulator

Roles in Reshaping

The role requirements and income information for Mayor will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Mayor

Benefits

Obtain a Tesla-sponsored luxury car and a set of 720-degree VR panoramic glasses sponsored by Sila

Roles in Reshaping

The role requirements and income information for Governor will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Benefits

Obtain a luxury watch Richard Mille

Governor

ROLES IN RESHAPING

The role requirements and income information for King will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

BENEFITS

Receive a piece of luxury real estate

KING

Roles in Reshaping

The role requirements and income information for Imperial Senate Member will be shared to the pending Explorer Noah in advance, and will be available to everyone as soon as Reshaping stage launches

Imperial Senate Member

Benefits

Members of the Federal Council can join the Second Earth development team to influence project development as well as invest and enjoy a lifetime shareholder position and returns;

Obtain a package worth $500,000 worth of cruises and travel tours in more than 100 countries around the world

Roles in Reshaping

Users upgrade and obtain benefits by pledging tokens.

If team growth slows down and the currency amount is gradually reduced, the POM algorithm will take effect after a certain period of time, and the deposit box will shrink.
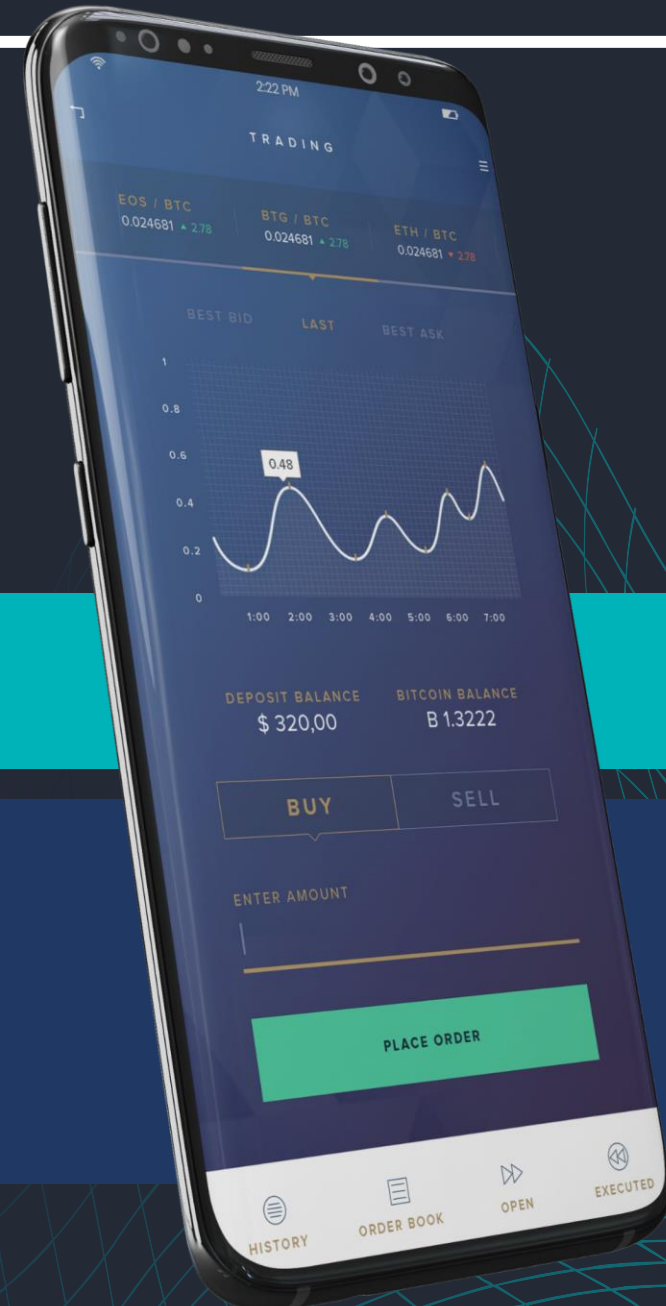
TOKENOMICS

SET and GA are the two Gaia project tokens with GA being the Gas for SET

GA-SET ratio =1:1

The first two trading pairs for the Second Earth Wallet:

SET/USDT
GA/USDT

TOKENOMICS

SET TRANSFER

The maximum SET transferable amount equals the GA amount held by the user. When GA amount held by the user is less than the held SET amount, the maximum SET transfer amount is the total GA amount held by the user. If the user wants to continue transferring SET, they need to purchase the same amount of GA.

Tokenomics

POM TASK REWARD RULES

The SET income is calculated from the GDP obtained through data contributions (e.g. photo mining) and GDP share compared to the entire network.

SET locked up quantity = SET amount held by user – GA amount held by user (if you want to unlock SET, you need to obtain GA by purchase or fulfilling missions)
Note: If the user never purchases GA, the locked SET amount remains locked.

When the SET and GA circulations reach 10% of the total supply (51.01 million), Revival stage starts, with the personal mission system being activated, and the virtual shop ecosystem being launched.

SECOND EARTH:
PARTNERS & ROADMAP

Partners & Supporters

RIT Capital Partners, formerly Rothschild Investment Trust, decided to invest

SpaceX announces that it will support the Ku and Ka interface data transfers for the Second Earth satellite aerial photography

Europe, Russia, and NASA open satellite call interfaces for testing the Second Earth Gaia Plan

23 global advertising companies signed contracts for future VR advertising in Gaia's VR travel business ecosystem

The world's first interactive virtual reality technology project to apply for the Guinness World Records with the highest latitude satellite system

SECOND EARTH

Partners & Supporters

HughesNet, the world's number one satellite communications network company, will provide the sixth-generation Internet protocol service for the Gaia project

The code submitted on the global open source code website GitHub exceeds 1 TB

The current SpaceX/Starlink graphics engineer Malcolm Denemark is serving as a graphics modeling consultant for the Gaia Project

The first batch of Starlink communication satellites is launched, 18.55-18.6 GHz, the elevation angle is 0 to 25 degrees, it is a synchronous and interactive frequency cooperation unit

Second Earth joins the FCC Federal Communications Satellite Commission's first batch of low-Earth satellite ecosystem members

SECOND EARTH

Partners & Supporters

ROADMAP

NOAH'S LANDING

- Second Earth white paper and business plan are released
- Global recruitment of Explorer Noahs and Pioneer Noahs
- Second Earth SET app is online
- Terra-2, an AR/VR add-on app, goes live
- Mission mining for obtaining contribution value is activated

REVIVAL

- VR travel ecosystem launches globally
- Merchant registration system
- VR action mission system upgrade
- SET decentralized autonomous organization (DAO)

2021

2022

2020

2021

RESHAPING

- Real-world big data collection
- Open OTC of SET/GA
- Photo mining and action mining launch
- SET blockchain browser
- SET public chain test network
- SET smart contract, DeFi and NFT framework

CONQUEST

- AR/VR games launch
- Release of massively multiplayer PVP virtual reality game

SECOND EARTH

ROADMAP

With its SET public chain and the first V-DeFi + NFT financial service bottom layer, Second Earth will provide services for a vast ecosystem of decentralized applications. Second Earth aspires to become the world's largest VR entertainment company by 2030
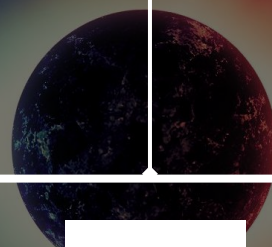
2030

SECOND EARTH

SECOND EARTH

[GAIA PLAN]

Explore unhindered by boundaries.
Virtually everything is possible!

P L V S   U L T R A