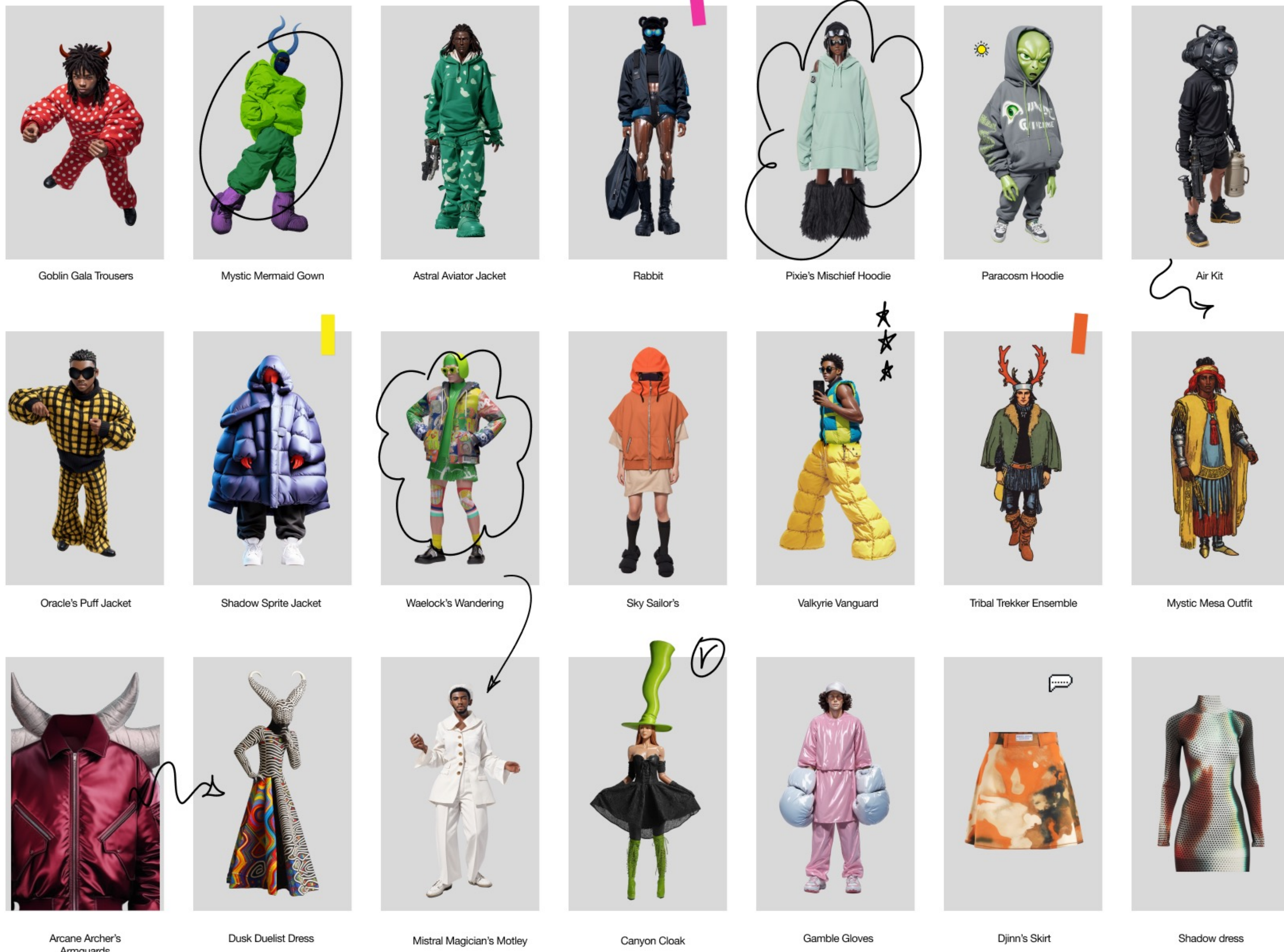


ALTAVA GROUP

ALTAVA LIGHTPAPER

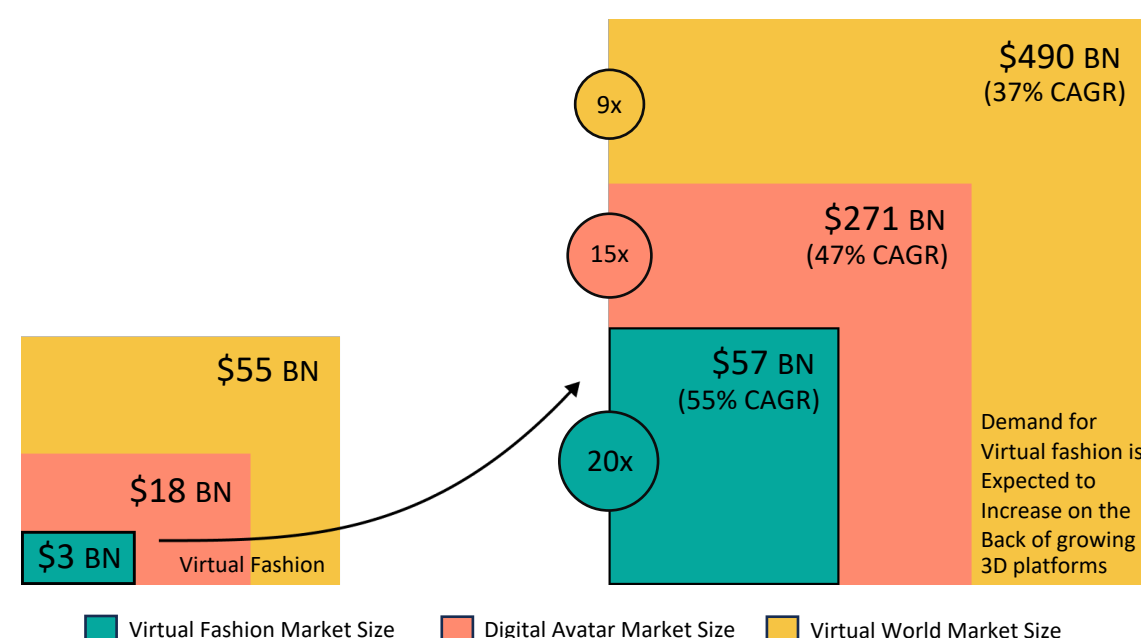
MAY 2024





INTRODUCTION

The current size of the Virtual Fashion market is approximately 4 trillion KRW, with an expected growth of 20 to 30 times over the next few years. Demand is steadily increasing not only in gaming but also in VR/AR areas. Many brands are shifting to producing 3D assets, but they face challenges due to the lack of high-quality 3D assets and technical know-how. Additionally, the 3D creator market has not yet been activated due to a shortage of personnel who can handle 3D tools. These issues hinder the potential growth of the market and prevent brands and creators from fully capitalizing on virtual fashion opportunities.



RANGE OF APPLICATIONS FOR 3D VIRTUAL FASHION ASSETS WILL GROW

VIRTUAL GAMING

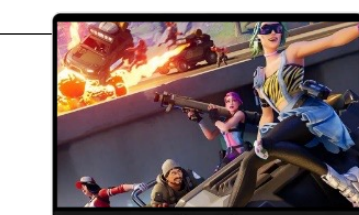
Next generation of 3D asset creation for gaming

3D assets are the building block of all games as well as the upcoming metaverse, and there will be a generative AI model for every asset involved in game production.

Andreessen Horowitz

30% of gamers spend money for personalizing characters to customize a player's appearance in the game.

Newzoo



VR-AR & SPATIAL COMPUTING

Global VR-XR market size is projected to grow from \$15.1 bn in 2022 to \$39.8 bn in 2027.

Artillery Intelligence

1.2 billion users are using some version of VR-XR and AR technology worldwide in 2023.

Forbes



FASHION & E-COMMERCE

80% of luxury sales today are "digitally influenced". By 2025, nearly a fifth of luxury sales will be online.

McKinsey

One-fourth of generative AI potential value in fashion may be driven by the use cases in design and product development.

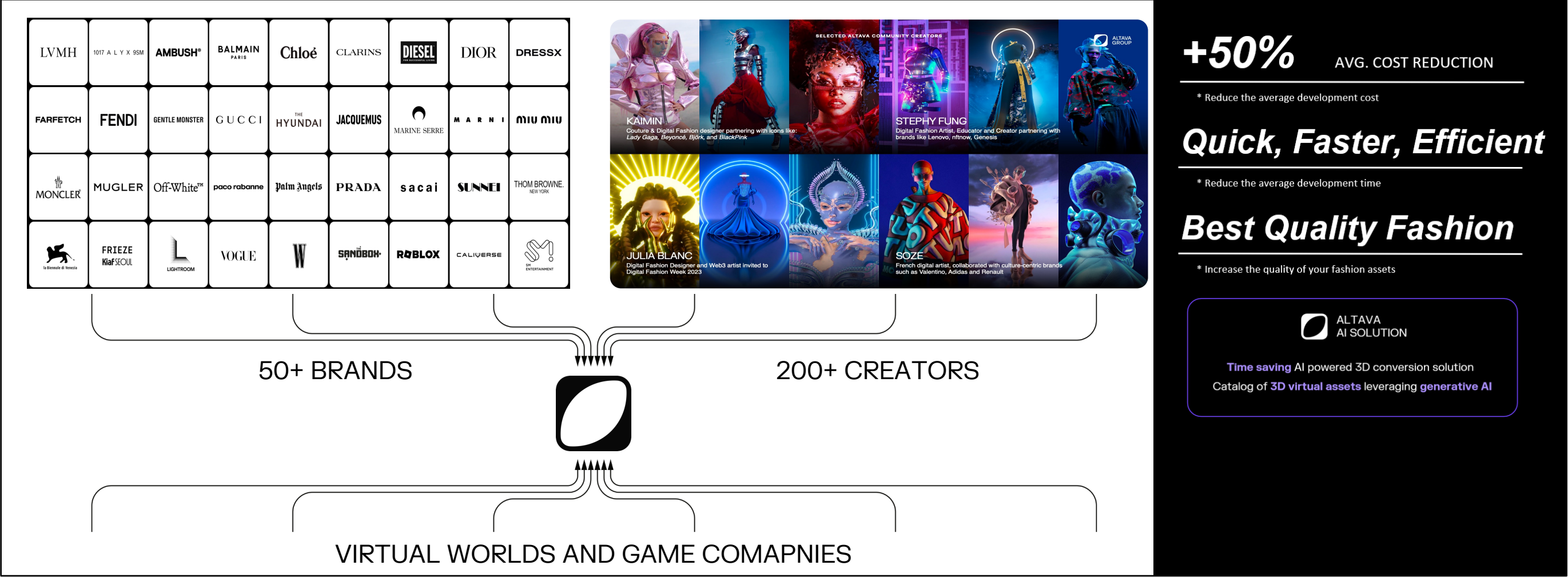
McKinsey



ALTAVA has aimed to bring fashion brands into the metaverse by collaborating with luxury brands and creators over an extended period, accumulating technology and experience. Based on this foundation, ALTAVA AI has launched a new AI platform for generating 3D assets. Users can easily create 3D assets that meet the technical requirements of their desired metaverse through the ALTAVA AI platform. Additionally, professional 3D creators can provide 3D templates to the platform or sell their designs to game developers through the ALTAVA catalog, generating revenue.

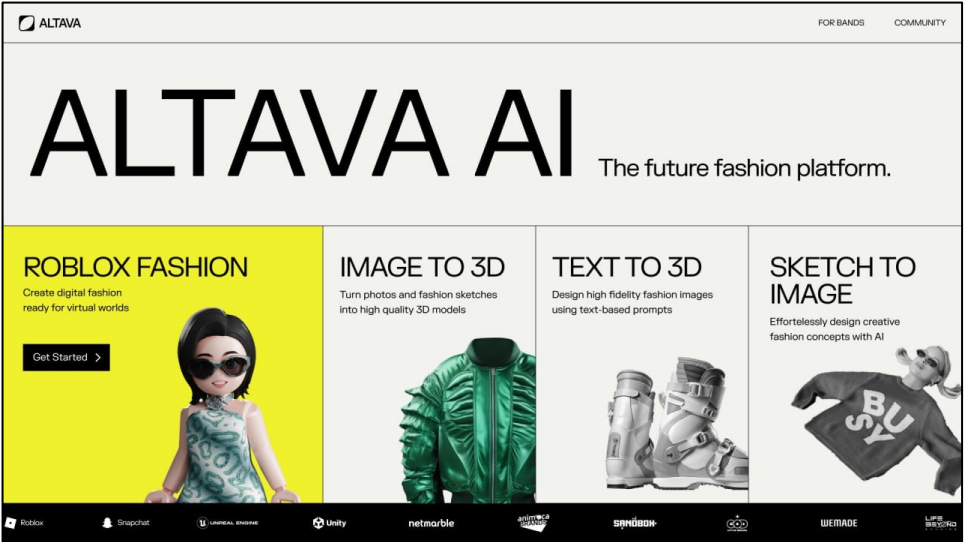


ALTAVA CONNECTS ALL STAKEHOLDERS



Through ALTAVA, the following benefits are provided:

- 1. Anyone can easily create 3D assets.
- 2. 3D assets generated by ALTAVA can be used in various metaverse, online games and virtual world platforms.
- 3. It provides revenue generation and collaboration opportunities for both users and creators.
- 4. Through business collaborations, high-quality 3D data can be supplied quickly and cheaply to 3D data consumers.



ECOSYSTEM

The ALTAVA ecosystem consists of a creator community based on the ALTAVA AI platform and an AI Node Network that supports AI computing power.

ALTAVA AI

Creators can generate high-quality 3D designs that are immediately usable in games without needing professional 3D skills, offering the following four core features.

TEXT / IMAGE to 3D	Even without 3D design skills, users can generate 3D assets simply by inputting prompts.
EASY TO USE 3D TOOL	ALTAVA's 3D design tool allows easy 3D design based on templates without proficiency in professional 3D tools. The ALTAVA design tool provides TEXT TO 2D AI functionality to create textures or stickers.
3D CONVERSION	Various 3D templates provided by the ALTAVA AI platform are automatically converted into usable forms for open platforms (e.g., Roblox, Snapchat) through ALTAVA's conversion function. Creators can use them immediately.
ALTAVA CATALOG	The catalog curates high-quality designs created on the platform and sells them B2B to game studios. Utilizing ALTAVA's business network, it supplies various game companies, virtual idols, and avatar social services, sharing royalties with creators to provide continuous revenue generation opportunities.

TEXT TO 3D

Our AI tool leverages deep learning trained in fashion, producing differentiated fashion 3D assets

Text to 3D

Style (Text Prompt)

short red bomber jacket that is puffy



IMAGE TO 3D

All you need is a photo to produce high-quality 3D fashion assets in minutes!



Image to 3D

Click or drag an image file here

Generate



TEXT + IMAGE TO 3D

The tool 3D professionals have been asking for: integrate text and images for heightened control

Text to 3D

Style (Text Prompt)

Click or drag an image file here

Generate



VIDEO TO 3D

Offering developers access to video to 3D API at a faster speed with trimmed mesh and no breaks



Video to 3D



Based on the four core features mentioned above, ALTAVA AI aims to build a creator economy that thrives in the AI era and to establish a 3D data layer that can integrate with all virtual environments where avatars exist.



AI NODE NETWORK

The AI provided by the ALTAVA AI platform requires sufficient computing power to offer convenience to users. To address this, a Decentralized AI Node Network will be established. This decentralized computing network performs ALTAVA's AI tasks by utilizing idle computing resources on the network. ALTAVA community members can earn node operation rights by staking their ALTAVA NFTs, and nodes receive rewards for performing AI tasks. These economic incentives motivate active participation, enhancing ALTAVA AI's performance through the continuous growth of the decentralized network.

CREATOR

Creators can provide 3D fashion modeling to ALTAVA AI and receive compensation for its use.

AI NODE

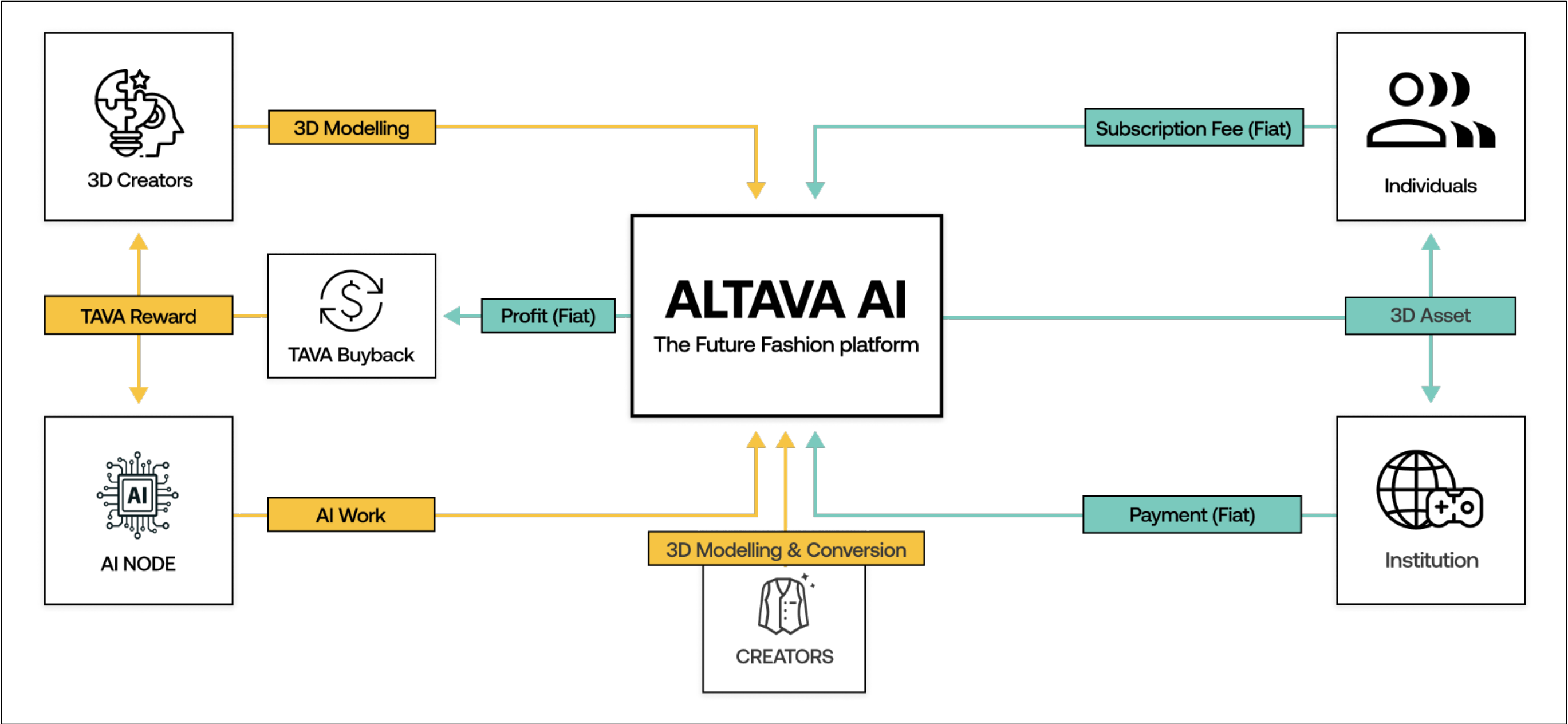
AI nodes provide computing power to enhance ALTAVA AI's performance and are rewarded for their work. As the network grows, users can use AI functions at lower costs, and node providers receive more rewards.

METaverse CREATOR

Various metaverse creators can utilize the 3D data and automatic conversion features generated by ALTAVA AI to purchase and use 3D models on their desired platforms.

GAME STUDIO / VIRTUAL STUDIO

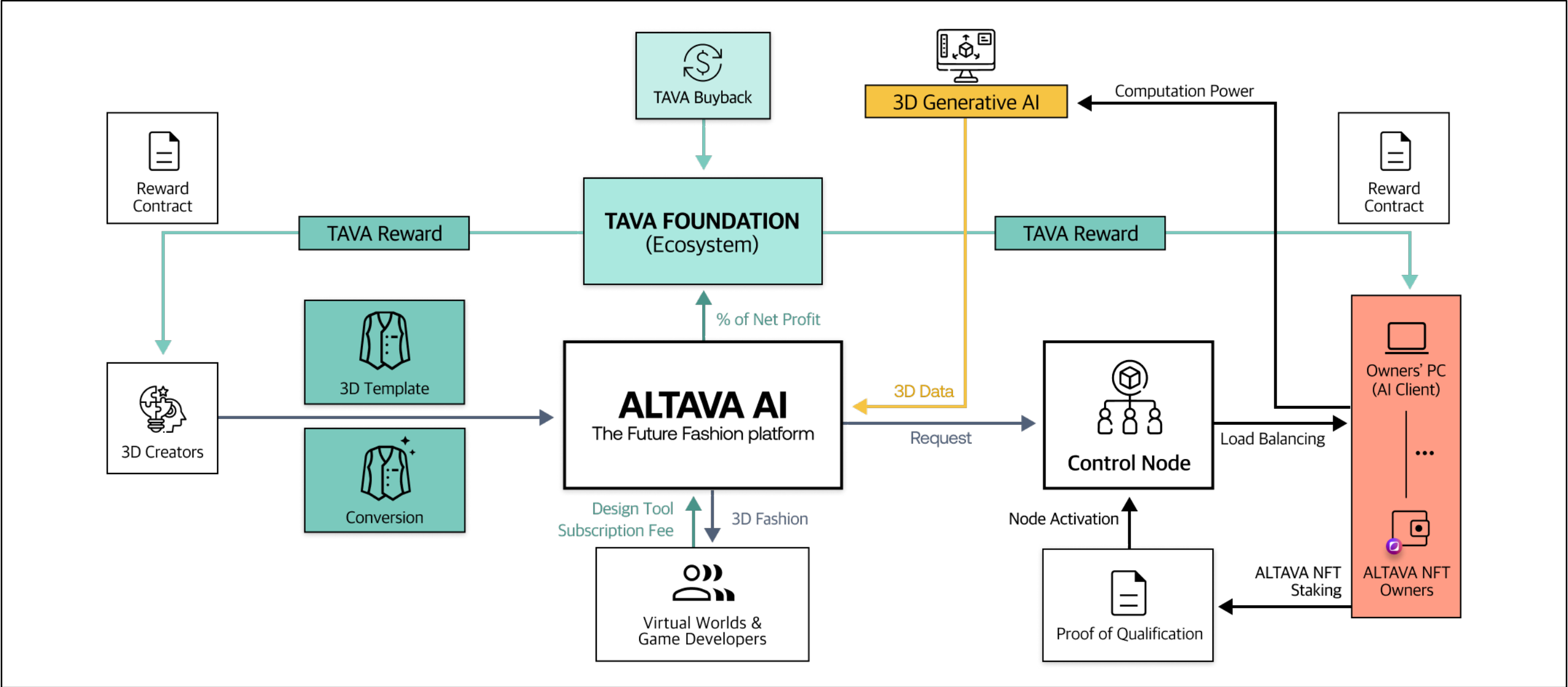
Game developers or 3D studios that need high-quality 3D data can purchase 3D data from ALTAVA's curated catalog or outsource 3D creation to creators on the platform.



TOKENOMICS

TAVA Token

The TAVA token is the utility token of the ALTAVA ecosystem. TAVA maintains balance among the components and participant groups within the ecosystem and promotes economic incentives. On the supply side, TAVA tokens are used to reward activities in the [creator community] and participants in the [AI Node Network]. On the demand side, the tokens are used for buybacks and staking from platform revenues, as well as other utilities to activate the ecosystem.





[CREATOR REWARD]

3D creators receive a portion of ALTAVA AI's subscription revenue in TAVA tokens in exchange for creating and supplying 3D modeling templates to ALTAVA AI. Part of the revenue from the ALTAVA AI platform is used to buy back TAVA from the market, which is then distributed based on the usage of the creators' 3D models. The earnings for creators are calculated based on the number of times their 3D models are used in ALTAVA AI. The calculation method is as follows.

$$\text{Revenue} = \text{Total monthly subscription fee} \times \text{Creator reward distribution rate} \times (\text{Usage of provided template} / \text{Total template usage})$$

Additional rewards are provided for revenue generated from 3D modeling included in the ALTAVA Catalog.

[NODE REWARDS]

Nodes connected to the AI node network perform AI tasks and are rewarded in TAVA based on the amount of work done. Nodes must stake a certain amount of TAVA or ALTAVA NFTs to operate.

Additionally, node operators must meet hardware requirements (PC specifications, network uptime, AI task handling count) to receive rewards. Nodes receive TAVA rewards monthly based on the actual number of AI usage requests from ALTAVA AI users. The reward amount can vary depending on the task handling price per request and the node's staking information.

Processing price per task request

ALTAVA AI subscription revenue is distributed to nodes based on their contribution. The processing price per task request is calculated as follows:

$$\text{Processing price per task} = \{(\text{Previous day's total monthly subscription fee} \div \text{Number of days in the month}) \div \text{Total processing count on the previous day}\} \div \text{Previous day's TAVA closing price}$$

Node allocation

Each node connected to the node network is randomly assigned AI task requests. Node participants can increase their chances of task allocation by staking a certain amount of TAVA tokens.

Node task rewards

The reward coefficient is determined by the amount of staked NFT and TAVA and the PC specifications of the node (subject to change based on circumstances).

$$\text{Task rewards} = \text{Processing price per task} \times \text{Number of tasks processed} \times \text{Reward coefficient}$$

To alleviate the operational costs (such as electricity) for node operators, a minimum income is guaranteed if certain conditions are met, even if the number of AI tasks is low.

[COMMUNITY REWARDS]

CREATOR SUPPORT

To encourage the activation of ALTAVA AI and continuous creation by participating creators, additional rewards are provided to creators for a certain period from the official release of ALTAVA AI.

INITIAL NODE AIRDROP

Initial node operators participating in the AI node network receive irregular TAVA airdrops based on their contribution to the network, including AI workload, network connection time, and staked TAVA amount.

BURN MECHANISM

TAVA uses a mechanism to purchase and burn TAVA with revenue generated from ALTAVA AI and the AI node network.

Buyback of TAVA using ALTAVA AI subscription revenue

ALTAVA AI subscription revenue is divided into three parts:

Subscription revenue (100%)	Platform profit allocation (a%) + Creator reward allocation (b%) + Node reward allocation (c%)
Creator reward allocation (b%)	At the beginning of each month, b% of the previous month's subscription revenue is used to buy back TAVA in fiat currency from the market, which is then distributed to creators as compensation for the previous month.
Node reward allocation (c%)	At the beginning of each month, TAVA is bought back from the market with c% of the previous month's subscription revenue and distributed to node operators as rewards for the previous month.

Buyback of TAVA using ALTAVA Catalog revenue

- ALTAVA Catalog revenue (100%) = Platform profit allocation (d%) + Catalog Creator reward allocation (e%)

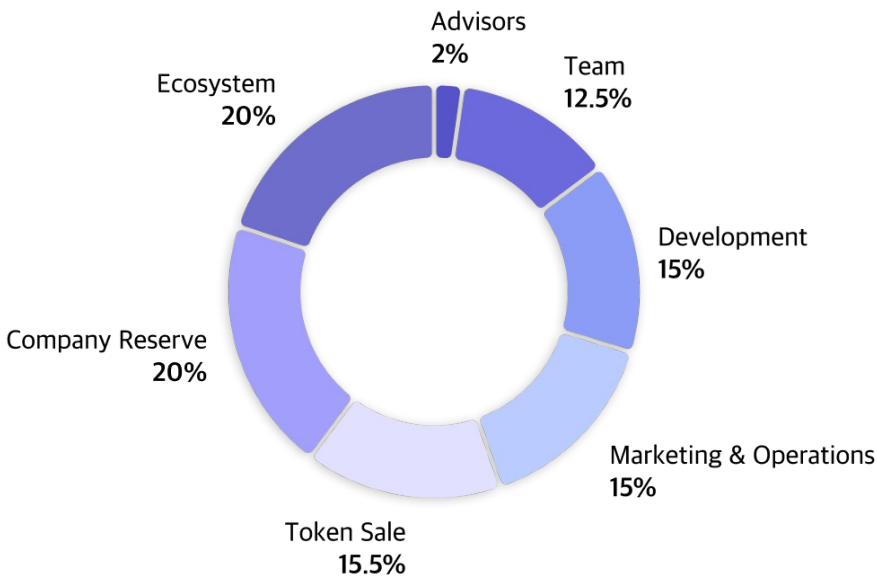
- Catalog Creator reward allocation (e%): At the beginning of each month, TAVA is bought back from the market with e% of the previous month's Catalog revenue and distributed to creators as rewards for the previous month.

The burn mechanism adjusts the amount of TAVA to be burned based on the TAVA price, decreasing the supply and circulation of TAVA, creating a deflationary effect.

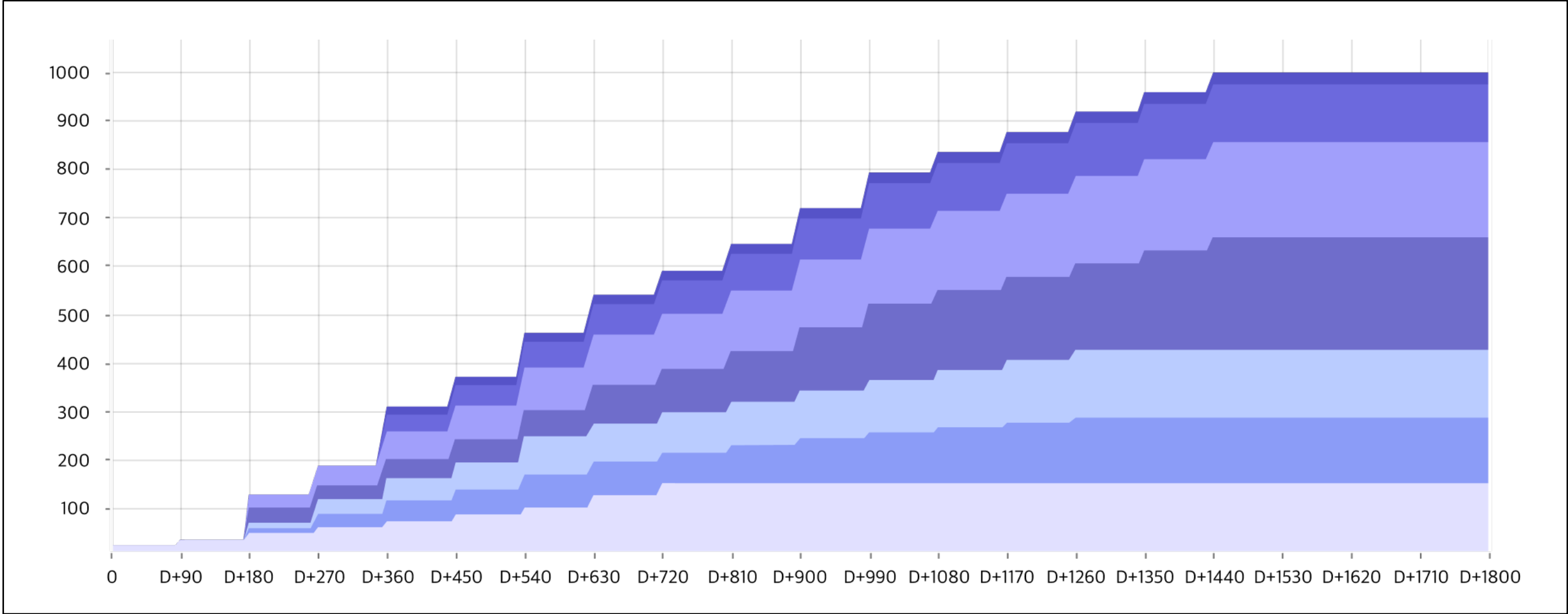
ALLOCATION

Supply cap 1,000,000,000 (1 Billion TAVA)

	QTY	%
Token Sale	155,000,000	15.5%
Development	150,000,000	15.0%
Marketing&Operations	150,000,000	15.0%
Ecosystem	200,000,000	20.0%
Company Reserve	200,000,000	20.0%
Team	200,000,000	12.5%
Advisors	20,000,000	2.0%
TOTAL	1,000,000,000	100%



TAVA Token Vesting Schedule Chart



CONCLUSION

ALTAVA plays a crucial role in the development of the metaverse and digital fashion. Through collaboration among creative 3D creators, technology providers, and users, it creates new value in the digital fashion market and offers new ways of self-expression within the metaverse. ALTAVA supports all participants in having a successful metaverse experience, aiming to build a new paradigm that blurs the boundaries between virtual and reality.

